DAFFODIL INTERNATIONAL UNIVERSITY
DHAKA, BANGLADESH

FINAL YEAR PROJECT REPORT OF GREETBOOKS

BY

NAME: MD TANVIR AHMED

ID: 181-16-310

This Report Presented in Partial Fulfilment of the Requirements for the Degree of Bachelor of Science in Computing & Information System

Supervised By

Name: Mr. Abdullah Bin Kasem Bhuiyan

Designation: Lecturer

Department of CIS

Daffodil International University

APPROVAL

This Project titled **"GreetBooks"**, Submitted by "**Md. Tanvir Ahmed**", ID No: **181-16-310** to the Department of Computing & Information Systems, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computing & Information Systems and approved as to its style and contents. The presentation has been held on- 13-02-2022.

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Mr. Md Sarwar Hossain Mollah   **Chairman**
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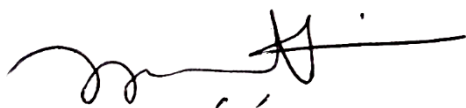Faculty of Science & Information Technology
Daffodil International University

Ms. Nayeema Rahman   **Internal Examiner**
Sr. Lecturer
Department of Computing & Information Systems
Faculty of Science & Information Technology
Daffodil International University

Mr. Abdullah Bin Kasem Bhuiyan   **Internal Examiner**
Lecturer
Department of Computing & Information Systems
Faculty of Science & Information Technology
Daffodil International University

Dr. Mohammad Shorif Uddin   **External Examiner**
Professor
Department of Computer Science and Engineering
Jahangirnagar University, Savar, Dhaka

DECLARATION

I hereby declare that this project has been done by us under the supervision of **Mr. Abdullah Bin Kasem Bhuiyan, Lecturer, Department of CIS** Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree.

Supervised by:

Mr. Abdullah Bin Kasem Bhuiyan
Lecturer
Department of CIS
Daffodil International University

Submitted by:

MD. Tanvir Ahmed
ID: -181-16-310
Department of CIS
Daffodil International University

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I would like to thank our entire course-mate in Daffodil International University, who took part in this discussion while completing the course work.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

DEDICATION

I dedicate my work to my family and many friends. A special feeling of gratitude to my loving parents, whose words of encouragement and push for the entire project. I also dedicate this dissertation to my many campus-mate who have supported me throughout the process. I will always appreciate all they have done, especially Abdullah Bin Kasem Bhuiyan sir, for helping me develop my technology skills. MD. Selim Hossain, sir, for the many hours of proofreading. I dedicate this work and give special thanks to my friend Shorif Ashik and Asif Ahmed for being there for me throughout the bachelor program. Both of you have been my best cheerleaders. I wish to thank my committee members, who were more than generous with their expertise and precious time. A special thanks to Dr. Mohammad Shorif Uddin for his countless hours of reflecting, reading, encouraging, and most of all, patients throughout the entire process. Finally, I would like to thank the beginning teachers, mentor-teachers, and administrators in our university who assisted me with this project. Their excitement and willingness to provide feedback made the completion of this research an enjoyable experience.

ABSTRACT

This report is intended as a guide for "GreetBooks" developed systems which is part of coursework requirements. Discussion includes a description of a literature search, the purpose of a literature review finding sources, and a general strategy to help conduct an efficient and productive system development. Using this report, students can become more proactive about their research projects. Teachers can use this report, among other tools, to begin a dialog with their students about expectations for research assignments and IT projects. Two critical steps in a literature search are: (i) finding sources; and (ii) synthesizing information. Each of these is addressed in two of the major sections in this report and how the system relates to the entire development process. Then pertinent information is repeated in the summary section for convenience. An annotated reference list is included for ease in finding other helpful guidance.

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Chapter 1 – Introduction

GreetBooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings, gift cards, or tokens of gifts. Nowadays people are too busy with their regular activities and often forget precious moments of their lives. Nevertheless, Greetbooks helps to remind them by simply reducing their valuable time. Let us consider a case, A senior on your campus helped get the first job. You are very grateful to him. You mostly forgot his birthday on Facebook or in our reminders; if still, the days remain, you send him birthday wishes through any of these platforms. Otherwise, you can send him/her a greeting card with flowers from us. However, if it is your wife, you might get beaten. That is where Greetbooks comes in. If you take our memberships, you can choose automated greetings on-time gifts sent at your desired ones. If you remember or get the time to check our reminder notifications, you customize before sending things to save for the next one unless you get breakup or lose the job. It can be a tool for spreading happiness. Greetbooks will manage your special moments by sending customized greetings messages or cards, or gifts on your preference. You can choose any of its tailored plans on demand, and the rest is ours.

Chapter 2 – Initial Study

GreetBooks system is formed to serve those who want to spread their joys with friends, families, colleagues, and loved ones. This system can help establish connections among users or their nearest one. Its self-oriented platform which doesn't need to interrupt several times on subscribers. It's mainly a unique approach to make business scopes fulfilling society's needs. **(Initial Study and Negative Declaration, n.d.)**

To manage the whole web infrastructure, there are many planning, concerns, stakes, and feedback needed throughout the development stages.

PROJECT NAME	GreetBooks		
EST. START DATE	18/07/2021	EST. FINISH DATE	16/10/2021
SUBMITTED TO	**Abdullah Bin Kasem Bhuiyan**	COMPANY	**Daffodil International University**
CONTACT NAME	Project Facilitator	ADDRESS	Lecturer, Dept. Of CIS Daffodil International University
PHONE	+8801831661534		
EMAIL	abdullah.cis@diu.edu.bd		

SUBMITTED BY	MD TANVIR AHMED	COMPANY	Daffodil International University
CONTACT NAME	Organizer	ADDRESS	Student, Dept. Of CIS Daffodil International University
PHONE	01714304090		
EMAIL	tanvir16-310@diu.edu.bd		

PROJECT SPONSOR (deliver; vision- direction; responsible)
MD Tanvir Ahmed
FUNDING SPONSOR
Department of CIS, Daffodil International University
PROJECT OWNER
MD Tanvir Ahmed, Department of CIS, Daffodil International University
PROPOSAL FACILITATOR
Abullah Bin Kashem Bhuiyan
ADDITIONAL STAKEHOLDERS
MD Selim Hossain

PURPOSE / GOALS
Key scopes: 1. In a nutshell, This project serves communities from a website of "GreetBooks." 2. Deliverables: Using the system, people can help their loved ones realize being special. 3. Its essential features are the subscription plans, customized dashboard, bookings, rings, chocolates, flowers, hotel, meals, and sightseeing trips package & payment system. 4. Justification for the project: To compete successfully in the industry. 5. Constraints: Boundaries are essential; GreetBooks is not an exception here. Our development team is here for diminishes that unwanted situation. 6. Assumptions: One-quarter year is the specific condition for all human necessities to develop this new web infrastructure. Inclusions/Exclusions: Mainly a subscription-based reminder& gift shop-centric website.

PROJECT OVERVIEW

Following GreetBooks demand, authorities decided to function its operation in a tight period. As the project manager, it's pretty tricky to run many promotions before the system launching. That's why we are developing a web-based system first, and by analyzing users' interaction, we will do the next.

Nowadays, whatever we do, we make it online. We don't have much time to spend outside the work. In our market, we already have so many shops associated with gift items, like a flower, chocolates, rings, etc. They only sell their items through bookings or physical stores. But GreetBooks will make a bridge between these shops with their customers. Some people feel confused about what to send in special events; In that point, users' case, they can assume their previous history in a small talking with vendors.

When it comes to greetings online, Bangladesh has lagged far behind. We can truly build a world-class artifacts industry, which could take full advantage of the various gift sales and handmade goods strewn across rural Bangladeshis.

The physical shop has some limitations in providing services in regions where GreetBooks shines. It will acquire more market share with the help of various transportation agencies or using their delivery methods. The receiver will take these gifts at ease from the delivery man. If it's not so prioritized, user can track their reminders and create instant greeting cards from many attractive templates and deliver them in a click.

This system can be revolutionary in generating income and potentially create a host of new methods of courier' jobs. And a well-oiled gift infrastructure has the potential to deliver just that. Hundreds of corporate people around the country, big and small, have taken steps to boost their connection establishing in their respective sector, and there's no reason Bangladesh cannot do the same.

To that end, building an IT-based infrastructure, helplines, demonstration, and related services, in the long run, can ensure that to realize people see their relationship worth paying attention to.

Chapter 3 – Literature Review

Greetings or Salutation whatever we say is something much more important in our life. Every day we meet many people such as friends, colleagues, family members,

We give them greetings in many ways like sometimes we say good words, sometimes we shake hands and many different things depending on culture or region.

We are living in an era of Breath-taking technology,

Social Media like Facebook, WhatsApp, and other Social Media apps or tools make greetings so easy that we can give someone's formal or informal greeting with just a tap of one single finger. **(Resources, n.d.)**

But as the world grows, we are facing new challenges in Communication. Many People now have limited knowledge about how we should communicate with someone professionally. Nowadays, People are using the social platform to greet someone,

Social Platform now are playing a huge role in Greetings

Nowadays, People Don't send someone a letter or they don't always physically meet whom they want to greet.

They just simply send E-mail or text messages on social media.

Social Media also nowadays introduces many new features to talk an greet someone so quickly.

We can now give people virtual handshakes, virtual waves, high five, wink, and even we can virtually poke someone too.

This wordless communication has become a new form of greeting. It's so interesting that our way of communication is now changing with the new world.

3.1 Project Sponsor

MD TANVIR AHMED & Daffodil International University

3.2 Business need

Great books Ltd company specializes in providing 'gift packages' to users who want to see different parts of their life by presenting wishes & gifts.

The committee thinks that GreetBooks would not compete successfully without this IT infrastructure, so it must be appropriately updated and maintained. **(CEOpedia, n.d.)**

3.3 Business value

Bangladesh gift shops contributed Tk227. 5 billion - 1.37% of the total GDP in 2017. According to the Council (WTTC) data, this would rise by 5.1% in 2019. The industry alone directly supported 1,178,500 jobs in 2017, which is 1.1% of the total employment.

So, there's a lot to do for GreetBooks in this sector as privileged in the global village. **(Contributors, n.d.)**

Chapter 4 – Methodology

Regarding project the board, project assessment can be separated into three primary sorts: pre-project assessment, continuous assessment, and post-project assessment. For our venture, I've picked a web structure of the framework in light of the language PHP. Avoids the client end-client. The Cascade philosophy zeros in very little on the end client or client associated with a venture as an inward interaction. Its primary role has been all the time to assist inward groups with moving all the more proficiently through the periods of an undertaking, which can function admirably for the product world.

At the point when we pick a structure like Laravel as an administration individual, we can handle more than a Wordpess based IT framework.

Once more, as an undertaking supervisor, I can see an all the more free-form, parcel safer and things like trend-setting innovation and the framework should be fittingly refreshed and kept up with by us. **(Contributors, Methodology, n.d.)**

**GreetBooks Ltd's
new software process model**

Planning → Feasibility Analysis → Prototyping → Development → Testing → Implementation and Integration → Operations and Maintenance
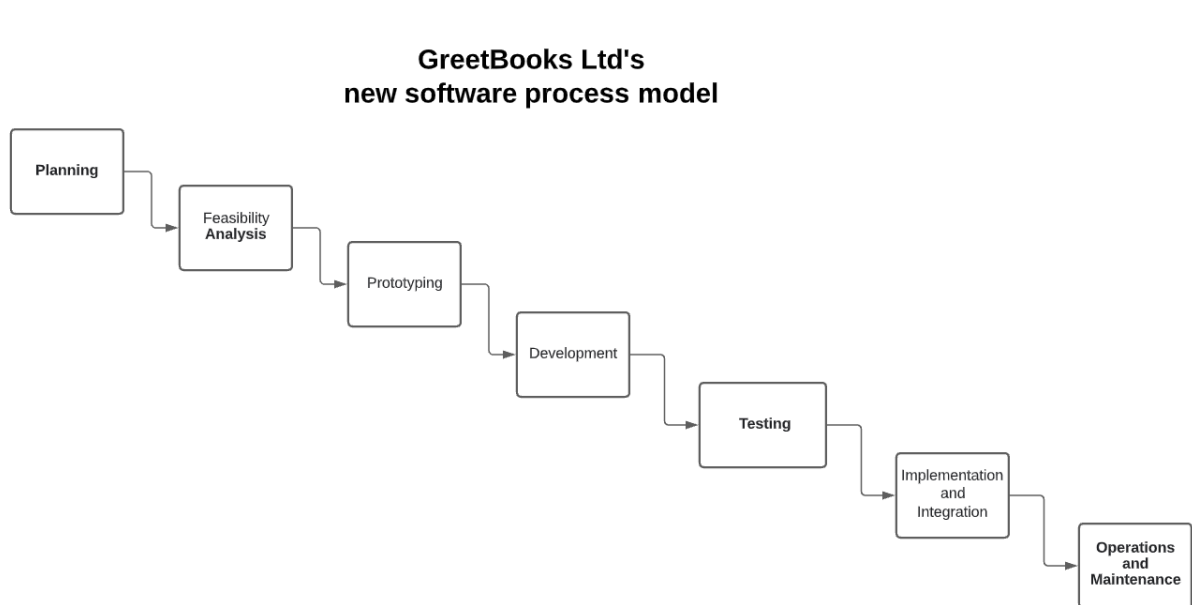
Figure 1: Development through Waterfall Methodology

Chapter 5 – Planning

5.1 Management Plan

An undertaking is made more reasonable by separating it into parts. In that soul, GreetBooks requires the decay of the venture into stages and errands. This assignment posting is known as a Work Breakdown Construction or WBS. **(Contributors, Planning, n.d.)**

There are different OK organizations. Here is a graphical style design:
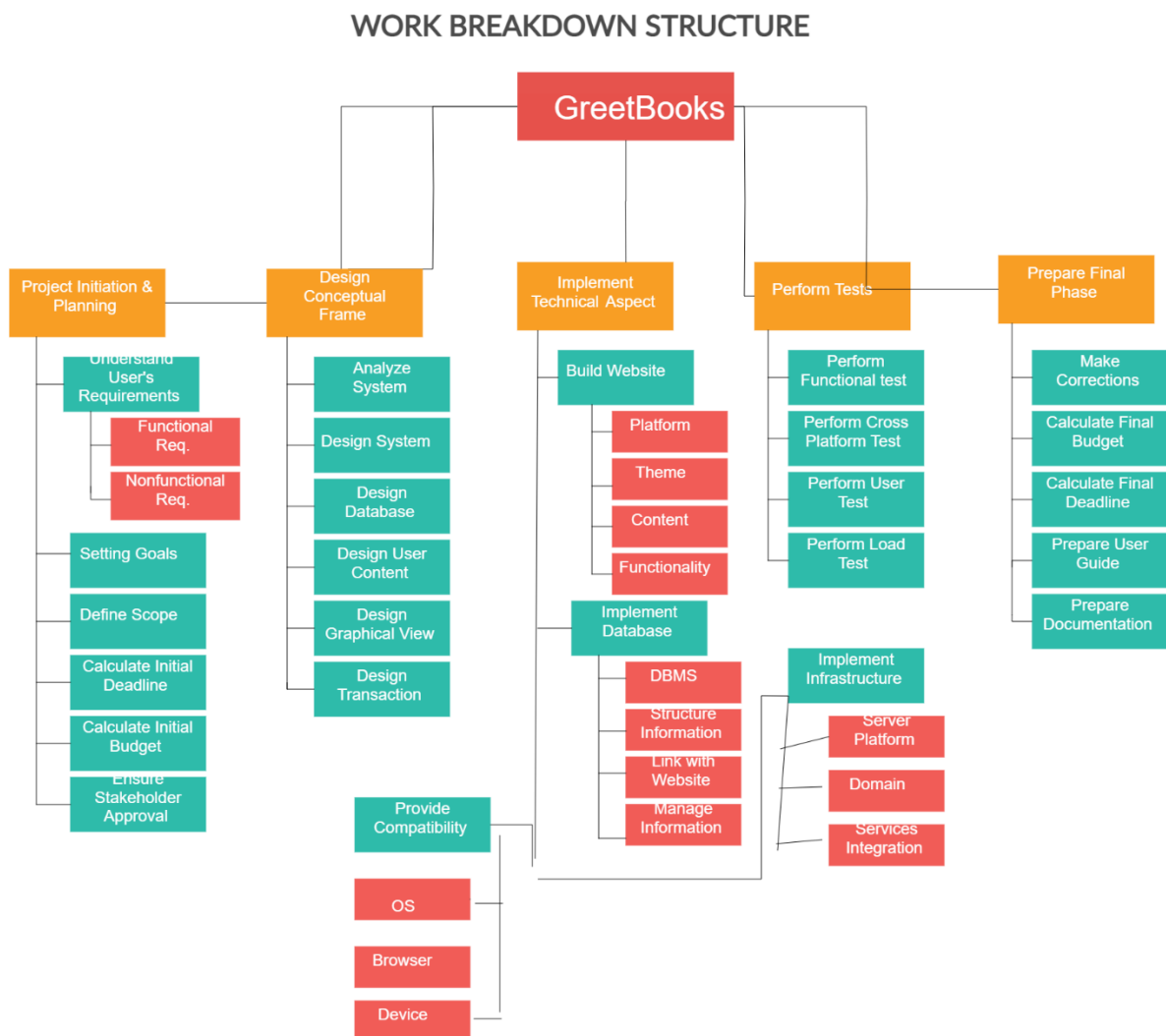
Figure 2: Work Breakdown Structure (WBS)

Finally, words usually can't do a picture justice. That is the reason it's essential. Albeit a few of these things (cost, plan, and so on) are held inside other information regions, the task the executives plan is natural and open to partners.

5.2 Work Distribution

When the undertaking has been separated into assignments, the asset needs of each errand are not set in stone; this appears as gear, devices, work, and other cost things essential to do the job. This is authentically not an insignificant part. Slips can quickly cost the endeavor as expensive changes during adventure execution, which will be used later on cost measures and plan headway structures. **(Wikipedia, n.d.)**

Task Evaluations: There are a ton of errands that should be done in this project rapidly, completely, gently& productively.

The assets can take the accompanying structures:

Work: This typically requires hours or days allocated to the errand or task.

- Collect every one of the necessities – Jannatul Mawa (CRO)
- Design framework - MD. Julfiqur Ai (Junior Software engineer)

  -MD Sadman Sakib (Realistic, UI Creator)

  -Design graphical view – Narayan Bondopadday (Visual Creator)

- Design Data set – Sakib al Hasan (Developer, Information base designer)
- Design client content - MD. Nayem Evrill (Junior Software engineer)
- Design exchanges - MD. Julfiqur Ali (Junior Software engineer)
- Implement data set – Sakib al Hasan (Developer, Information base designer
- Structure data – MD Taufique Imran (Developer, Data set specialist
- Planner and analyzer - MD. Tanvir Ahmed
- Link with the site – MD Masum Ahmed (Website optimization subject matter expert, web engineer)
- Trainer -Farjana Islam Mitu (Content author and Instructional exercise creator)

☐ Gear: laptops, papers, printer, pen, sticker note-tag, and so on

☐   Materials: Installment passage bank-pass module.

☐   Fixed expense things: Teas, sugar, espresso, snacks, and so on

There is not a viable alternative for a specialized master. Regularly these technical specialists are exceptionally bustling individuals secured on various activities. However, they are likewise obliging in the arranging stage. As a rule, technical specialists will more often than not shy away from being given undertaking work; in any case, they love contributing during the venture's arranging stage since they see their worth to the association.

Choices: Assets, for the most part, accompanied numerous decisions, and one ought not to misjudge the various options available to you to do the work.

Frequently, I can change the kind of work utilizing or substitute untalented work. For instance, a visual creator is free subsequent to planning the framework UI. From that point onward, he can refresh articles, tour online journals, trip subtleties with the progression of functionalities.

5.3 Time Span

Each venture has a transitory undertaking with a clear start and end.

The most common way of assessing the number of work periods expected to finish individual exercises with assessed assets.

- Stage 1: Arranging process and statement expects around four working days

- Planning the framework requires right around three weeks.

- Other specialized web foundations require 3-7 weeks.

- Executing testing requires ten- fourteen days.

- Fixing bugs might require 1-3 working weeks.

- Last acknowledgment and venture preparing, inventory, hand-over needs not over two

days.
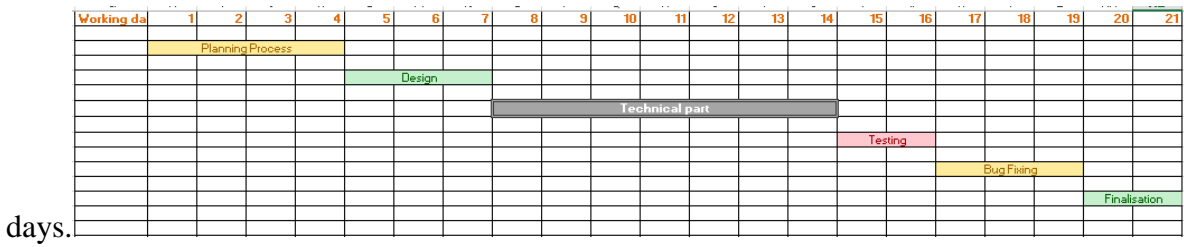
Figure 3: Time Duration

5.4 Time Boxing

Figure 4: Time Boxing

This entire task should be live following 14-21 working weeks.

Practically equivalent to Investigating information from comparative/past ventures. As we have frequently done indistinguishable frameworks, the assessment is almost exact.

Considering every assignment's asset, we ought to settle on one academic semester for the Greetbooks project, including some hold weeks.

5.5 Project Activities

Associations perform work to accomplish a bunch of targets.

Classes of Authoritative Work:

☐ Performed by people:

- Plan framework

- A plan Information base

- Plan client content

- Plan graphical view

- Plan exchanges

- Carry out data set

- Structure data

- Connect with site finding limited by constraints including resource

☐ Assemble every one of the prerequisites through questionaries, interviews

☐ Arranging, executing, observing, and controlling

☐ Others to perform to accomplish hierarchical destinations or critical plans

5.6 Progress serial

We will start the entire undertaking venture to-step plan for Start-Finish at the earliest reference point.

5.6.1 Operational step 1:

☐ Seeing all the client necessities

- Specialized

- Non-specialized

☐ Laying out objectives for following through with responsibilities

☐ Tracking down Degree for the two associations

☐ Assembling every one of the necessities

☐   Ascertain the essential cut off time

☐   Ascertain anticipated expense, supplies, assets, pertinent necessities

☐   Characterizing spending plan (Counting Overall revenue)

☐   GreetBooks' endorsement

5.6.2 Operational step 2:

-       Building a full stack applied packaging which will include:

-       Analyze the hard and fast structure

-       Plan the system

-       Plan Informational collection

-       Plan client content, articles, locales

-       Graphical view

-       Plan and assurance trade system

5.6.3 Operational step 3:

Specialized viewpoints mainly convert to the IT foundation.

☐   Building Site

-       Characterizing stage

-       Web topic

-       Getting all the substance

-       Web functionalities

☐   Execute Data set

☐   Execute IT framework

-       Server stage

-         Area

☐   Operating system similarity (On the off chance that they think they need an application)

☐   Program cordial site

5.6.4 Operational step 4:

Play out a wide range of tests and elements:

-         Usefulness

-         Cross-stage

-         Client test (Real reason testing)

-         Over traffic testing

5.6.5 Operational step 5:

Tracking down mistakes and fixing bugs

5.7 Final operation-step:

☐   Checking and Refreshing the Entire framework

☐   Ascertain highlights and financial plan once more

☐   Client rule

☐   All out-venture's documentation

☐   Last cut off time and completing an endorsement

Figure 5: Activity Sequencing

The arrangement Exercises process mainly intends to conclude the interrelationship of the exercises to finish the undertaking extension and arrive at the venture objectives.

5.8 Gantt Chart

To foster an expert undertaking plan, we are accepting we have effectively played out the past strides in the Venture Time Usage information region:

1.Defining the exercises

As we have characterized every one of the exercises in the fourth piece of the assignment, the isn't anything too stressful for

2.Sequencing the exercises

As like as exercises, we have additionally sequenced the activities on the fifth segment of the assignment

3.Estimating the action assets

We have assessed the assets in the sixth segment of the errand

4.Estimating the action spans

Action spans are assessed at the seventh area as well.

We make the timetable when these unique pieces are known by drawing an underlying Gantt (bar) graph.
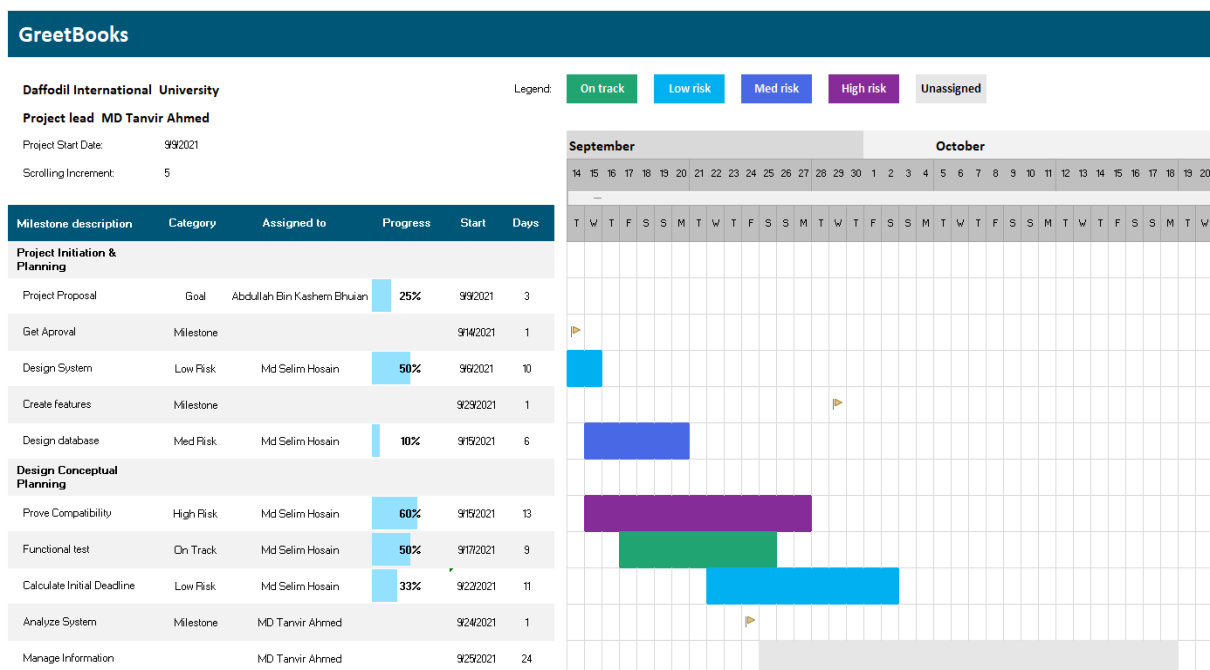
Figure 6: An Agile Gantt chart.
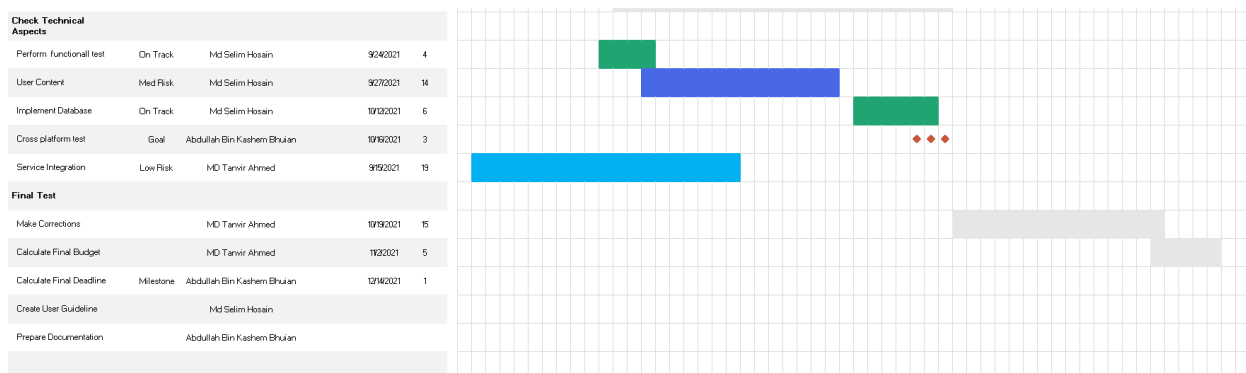
Figure 7: Extended Agile Gantt chart.

It is the greatest, cleanest, and least demanding method for conveying the timetable yet leaves out fundamental data, similar to the primary way.

5.8 Track risk Factor

- Risk ID
- Risk appraisal
- Risk insurance/activity plan
- Steps faced for potential challenges

Risk is defined as:

☐   An unsure occasion or condition that, assuming it happens, has a positive or adverse consequence on a Venture's Destinations (PMBOK).

☐   The impact of vulnerability on destinations (ISO 31000).

☐   The likelihood that something awful or unsavory will occur (Greetbooks'-Site)

Since hazard has two parts: ***Risk = Probability x Impact***

Every one of these elements ought to be focused on. The scale is fundamental, yet it is generally expected 1-10, low-medium-high, or comparative.

Risk and vulnerability are intrinsic pieces of all task work. This is the reason, so many gigantic innovation projects run into inconvenience. At the point when studies let us know that effectively 50% of all IT projects run over a spending plan and past cut off times, we perceive how virtually hazard turns out to be a genuine difficulty for projects and their associations.

Be that as it may, there are ways we can moderate and oversee hazards. When groups have a decent gamble, the executive's cycle, we can distinguish and manage every one of the task's dangers wholly and suitably. Whenever we're great at overseeing hazards, it implies that more minor issues crop up, and we're ready for all possibilities.

The following are nine g board steps that will keep our task on target.

1) **Make a hazard register.**

Make a gamble register for your venture on a bookkeeping page. Incorporate fields for the date of the gamble being logged, depiction, probability, sway, proprietor, hazard reaction, activity, and status.

GreetBooks marked an agreement of 3 Plan installments with us.

The main plan at beginning the venture's 60,000 BDT

second plan at when the site is life with every one of the functionalities 70,000BDT

Also, the third plan, after the task's last stage completing all rectifications, client guide, and undertaking documentation, rested 35,500 BDT.

2) **Identify risks.**

Conceptualizing all current dangers on our undertaking with the task's key colleagues and partners

Going through every one of the elements that are crucial for finishing the venture and getting some information about their interests or any expected issues.

Identifying takes a chance with that connect with:

- Prerequisites

- Innovation

- Materials

- Financial plan

- Individuals

- Quality

- Providers

- Regulation and some other component we can imagine

3) **Find opportunities**.

When we recognize chances, we likewise factor in insure dangers and potentially open doors.

Similarly, as we expect and anticipate issues, we get ready for impossible triumphs.

Nothing remains to be stressed over for this, and our extensions are archived in the second place of the primary undertaking.

4) **Track probability and impact.**

By laying out how probable the gamble is to happen (on a scale from 1-5) and deciding the effect of each hazard as per time, cost, quality, and even advantages if it somehow managed to happen (again on a scale from 1-5). For instance, a probability of five could imply that the gamble is practically sure to happen. An effect of four could impmeanat the danger would create serious setbacks or massive revisions if it somehow managed to occur.

Their things can happen to assets, yet there is no way because our HR work consistently on such ventures and are blissfully dealing with them. GreetBooks additionally defer the subsequent installment, which is the main gamble factor for the experience to stress over.

5) Identify the hazard response.

It centers around those who take a chance with the most striking possible effect and the probability of occurring.

6) Assume the uncertainty.

Whenever we've figured out how I'll address each hazard, gauge the amount it will cost us to do as such.

There's something to lose on that, assuming the venture stopped. While we are getting 60,000Tk on beginning the agreement, the installment is nearly made for the venture's initial three stages. There is some dew on the remainder of the third stage. After living the site, if we got the next plan, there could be no other huge worry to installment. GreetBooks has given our total costs in the second plan. The third plan is for the Possibilities and the board Stores with net revenue.

7) Include Stakeholders.

You are allocating a proprietor to each chance.

The proprietor ought to be the fittest to manage a specific gamble and screen it. Appoint hazard proprietors with association from your group and partners to get the ideal purchase—team up on the most outstanding activities that should be taken and when.

What's more, I'm relegating MD Masum Ahmed (Website design enhancement subject matter expert, web engineer) and Tiasha Rafa (HR leader and specialist)

8) Review uncertainty.

Make an opportunity something like once per week to recognize new dangers and screen all logged things' advancement. Hazard the executives isn't an activity that just occurs toward the start of the undertaking however should be gone to in all of the task's lifecycles.

9) Report on hazards.

Ensure that all risks with an impact and likelihood of floor-and-higher (on the $1-5$ scale) are listed on your status report. Encourage a discussion of the top 10 risks at steering committee meetings so that executives get a chance to provide input and direction.

There are four possible responses to risk events:

1. Avoid. Dispense with the danger. For instance, change the venture's extension, veer off a specific specialty unit, or change the goals that the gamble occasion is compromising.

2. Transfer. Off-load the gamble to an outsider. For instance, purchase insurance, issue a presentation bond, or change the policy from a precise amount to a unit cost (or the other way around).

3. Mitigate. Decrease the likelihood or effect of the gamble occasion. For instance, cover the venture region to forestall work stoppages because of nasty weather conditions or buy materials ahead of time to guarantee they can be returned without compromising the task finishing date.

4. Accept. Sometimes, there could be no other option than to continue with the venture and acknowledge the gamble. In any case, delivering documentation, holding gatherings, and discussing the risk with partners can go far toward limiting the harm.

Hazard is a Necessary Piece of Venture, The board. Hazard is inborn in all projects since projects, by definition, improve or expand on an available cycle. At least, there is the gamble that the undertaking doesn't achieve its targets. Since a task is a "capital" consumption (instead of a continuous "functional" one), gambles are generally present and should be made due.

The more gamble arranging we will do, the more secure our tasks.

- Change The board
- Factors that could cause change
- DSDM Atern invites change

- Considering business esteem/need
- Change studio
- Changes that are permitted
- Key Chiefs of progress

Vulnerabilities can be managed in more than one way:

1. Accept: The venture faces the gamble challenges of vulnerability. For instance, I am summing that Greetbomore significantly fires more functionalities than expected; we should swallow the expense.

2. Transfer: Let an outsider expect the gamble. For example, approach the other endeavor executive to check whether they will contribute well past a particular cost.

3. Mitigate: Perform exercises that will reduce the risk of weakness.

Whenever vulnerabilities are not characterized in the extension proclamation, ty can be a consideration for the task hazard register.

- Quality Management

o   Rules applied to keep up with quality

o   DSDM Atern standard quality measures

o   Quality Plan and estimating meter

Every one of the exercises and cycles expected to create the expectations should stick to the interaction quality norms. These expectations probably won't fulfill the conveyance quality guidelines if they don't. To resolve the issue of value, the undertaking director creates a venture quality arrangement to direct the group and the partners of the task's quality necessities, principles, and quality affirmation components. Hence, I have done various sorts of arranging as a feature of the venture the executives plan for the above circumstances.

5.9 Quality assurance

An undertaking quality arrangement might vary as indicated by the idea of the business o, task; however, a couple of parts are found in a wide range of value plans. I have an arrangement for the accompanying:

1.   Management obligation: All quality plans are constrained by the board, and the nature of the venture is the essential obligation of task chiefs. As I'm dealing with it, there's a ton of opportunity to develop it further.

2.   Documentation: Venture the board correspondence relies upon documentation. A venture's quality arrangement portrays how to oversee and control the records required in the task, and each progression is focused on.

3.   Requirement's degree: The venture plan contains the proper necessities for execution to guarantee the quality affirmation group of the appropriate method for approving them. Through the size of the prerequisites, the group knows how to test and decide those exercises that need to escape the region.

4.   Control of plan: Regularly, there are configuration audits to decide whether the proposed specialized strategy is right. The planned control determines how the planning stage is controlled because Greetbooks might foster changes to the arrangement, which ought to be evaluated and closed down.

5.   Development control: I have command over all cycles and methodology that will be firmly observed to guarantee that the group advances in the correct bearing.

6.   Testing/quality affirmation: There are many worries about recognizing the quality goals and the techniques to accomplish them.

7.   Risks and alleviation: All project the board characteristics recognize project quality dangers to prepare for suitable moderation to address possible threats. It's momentarily characterized at the Gamble the board plan.

8.   Audits: We're checking every one of the systems each start to finish.

9.   Defect administration: Imperfections can be during trying and quality affirmation. We have an arrangement for the accompanying.

10.   Training prerequisites: We have a quality coach Moniruzzaman Saadi who has worked dramatically on such ventures and prepared clients.

Project quality administration is fundamental, and a quality arrangement is a compulsory archive in any undertaking. There could be no alternate method for estimating conveyance and interaction quality on the off chance that the venture doesn't have a quality arrangement.

Chapter 6 – Feasibility

Where the IT area is evolving quickly, Greetbooks Ltd makes it possible to make a large group of new courses in Bangladeshi gift shops.

With its perfect normal magnificence, antiquated relics, and magnificent accommodation, Bangladesh is all around, ready to turn into an incredible stage in the days to come. **(Kenton, n.d.)**

6.1 Comparative Analysis with existing projects

Fact Influencing Reception

Traditional Agencies	GreetBooks & Other Social Media
Offer customized advising and counsel to their clients	It gives forward-thinking and correct data
Furnish clients a human connection point with different partners of the business	Helpful as gives anyplace whenever administrations
Dependable as they assume a sense of ownership with every one of the game plans	It gives an assortment of decisions to items and administrations.
More well-known because of less reliance on Popular Brands, physical outlet	It gives a financial and straightforward valuing framework.
Less gamble associated with money related exchanges	Simple to analyze different travel items and administrations on the web
Help the clients assess the proposals of various specialist organizations in a single spot.	Direct and straightforward to buy travel items and administrations on the web
Simple to use as individuals know about their usefulness	Fast and adaptable to buy items and administrations on the web
	Harmless to the ecosystem as less utilization of paper

6.2 Estimates Cost

This cycle addresses the assignments associated with deciding the money-related assets expected to finish the undertaking exercises. More often than not, it includes base-up assessing, determining the monetary investments for each venture errand, and moving it up into a general undertaking gauge. Nonetheless, a hierarchical methodology is typically speedier and less exact, however, fit for the conditions. **(Wikipedia, Cost estimate., n.d.)**

As an undertaking supervisor with my group, we have worked with many such tasks and satisfied all the venture results effectively Greetbooks authority requested that we offer them short, however the best two IT framework plans. For building the Greetbooks site, we proposed they browse some top-notch WordPress topics and an exclusively custom fitted system, Laravel, which is significantly founded on the language PHP; they have chosen the structure.

That is why we utilized the bottom-up estimation method, which incorporates the complete task work separated into the minor work parts/stages. Every part cost is surveyed. Lastly, it is totaled to decide the task's quote.

It will cost around 85,000tk.

6.3 Determine Budget

When the most significant undertakings have been assessed, the Decide Spending plan is utilized to move them up into a general task gauge conveyed to partners.

Also, the expense gauge, which is the occasional subsidizing prerequisites of the undertaking over the long, is not set in stone and is supported by the financing specialists.

The singular errand gauges are moved into control accounts that track the actual costs during the task.

As affirmed, the IT framework and assessed base-up cost are probably determined around 85,000tk.

The precision of the general venture gauge is the normal of the exactness level of individual assignments. More enormous undertakings offer more to the norm.

It is judicious to incorporate possible changes and additional expenses throughout a venture. Possibilities are remembered for individual errand appraisals to represent "known questions." The vulnerability exists around the number of assets are expected for the undertaking or their expense.

Possibilities can be a rate, a proper sum, or an estimation unique to the conditions. For that reason, we should keep a hold of around 20,000tk.

We need ton o th often to think out the administration to decide on a spending plan.

The executive's Stores are arrangements for "obscure questions." That is, they are arrangements for issues that poor person yet emerged. The venture supervisory crew doesn't know every one of the issues that could spring up and should anticipate problems that can't be characterized at the start.

The executive's hold added to the general undertaking gauge since you are not expected to think about the issue.

6.4 Project Budget

The undertaking spending plan is the amount of all measuring, and the administration save. This is the sum that the association should save to play out the undertaking.

Along these lines, the net task esteem = Bottom-up-cost+ Contingencies+ The executive's Stores with net revenue.

=>85,000+20,000+45,000= 1,60,000 BDT

Chapter 7 – Foundation

7.1 Collect Requirements

☐ From the get-go, I want to characterize every one of the units connected with Greetbooks' requirements, concerns, and assumptions so the client doesn't need to stress over anything. **(Firebrand.training, n.d.)**For example,

- Travel appointments

- Inn appointments

- Suppers

- Touring trips

- global carrier appointments

- Inn reservations

- Installment door

- On the off chance that there's limiting or not

- All out cost adding machine

- Participations, Clubs, and Special approaches

- Contracting approvals and other various variables

☐ People or associations who are effectively engaged with the undertaking, for example,

- Gift area experts' complete profiles

- Transportation offices

- Different accomplices If you have any

- Lodging profiles

☐ Clients

- The client's sort or structures

☐ All critical reports from the performing association Greetbooks

☐ The public leeway, acknowledgment data, Brand's logo, Exchange permit no., Space subtleties (Area/Arranged in), other contact information.

☐ Greetbooks' methodology, style, and construction impact how ventures are performed

☐ Foundation and support subtleties

• Pain point Recognizable proof

o Interview

o Observation

o Questionnaires

• Rich Picture

• Explicit pain points recognizable proof and depiction

• Conceivable Arrangement

• In general, Prerequisite Rundown

• What Innovation to be carried out (Client/Web/Independent)

• Suggestions and Supports

Chapter 8 – Exploration

From the beginning, we want to characterize every one of the units connected with GreetBook's requirements, concerns, and assumptions so the vacationer doesn't need to stress over anything.

- o People or associations who are effectively engaged with the undertaking, for   example,
- o Local escort's total profiles (On the off chance they have evaluations or not!)
- o Transportation organizations
- o Different accomplices If you have any
- o Lodging profiles (Three-star or five stars!)
- Clients/guests

- Financial backer or Supporter's data (Assuming that they have any)

- All-important records from the performing association

- The public leeway, acknowledgment data, Brand's logo, Exchange permit no., Space subtleties (Area/Arranged in), other contact information.

- BDWT's system, style, and construction impact how activities are performed

- Framework and upkeep subtleties

8.1 Functional Requirement

Search for booking
Register, Login
Coupon
Chat
Track down data
Reviews
Profile
Location
Tweak text
Private Insights

8.2 Non-functional Requirement

-Recoverability

-Quick reaction

- The clients can welcome companions to share socially

- Advancement can change by shop and administrator.

- The clients can inquire as to whether in the hunt and guide doesn't have to satisfy in inside the site

8.3 Interview/JAD/questionnaire for requirement collecting

□   From the outset, we want to characterize every one of the units connected with GreetBook's necessities, concerns, and assumptions so the traveler doesn't need to stress over anything.

□   People or associations who are effectively engaged with the venture, for example,

-      Local escort's full profiles (If they have evaluations or not!)

-      Transportation offices

-      Different accomplices If you have any

-      Inn profiles (Three-star or five stars!)

□   Clients/guests

□   Financial backer or Patron's data (Assuming they have any)

□   All vital records from the performing association

□   The public freedom, acknowledgment information, Brand's logo, Exchange permit no., Space subtleties (Area/Arranged in), other contact data.

□   BDWT's technique, style, and design impact how activities are performed

□   Foundation and support subtleties

Task Assessments: There are a ton of errands that should be done in this project rapidly, completely, gently& proficiently.

Chapter 9 – Engineering

9.1 Activity Diagram
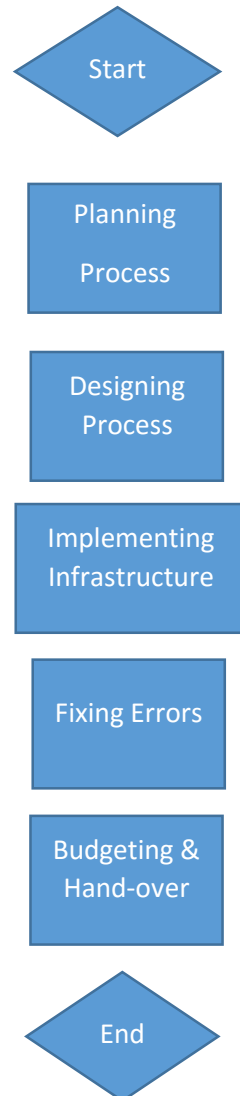
Figure 8: Activity Diagram

9.2 Full System Use Case
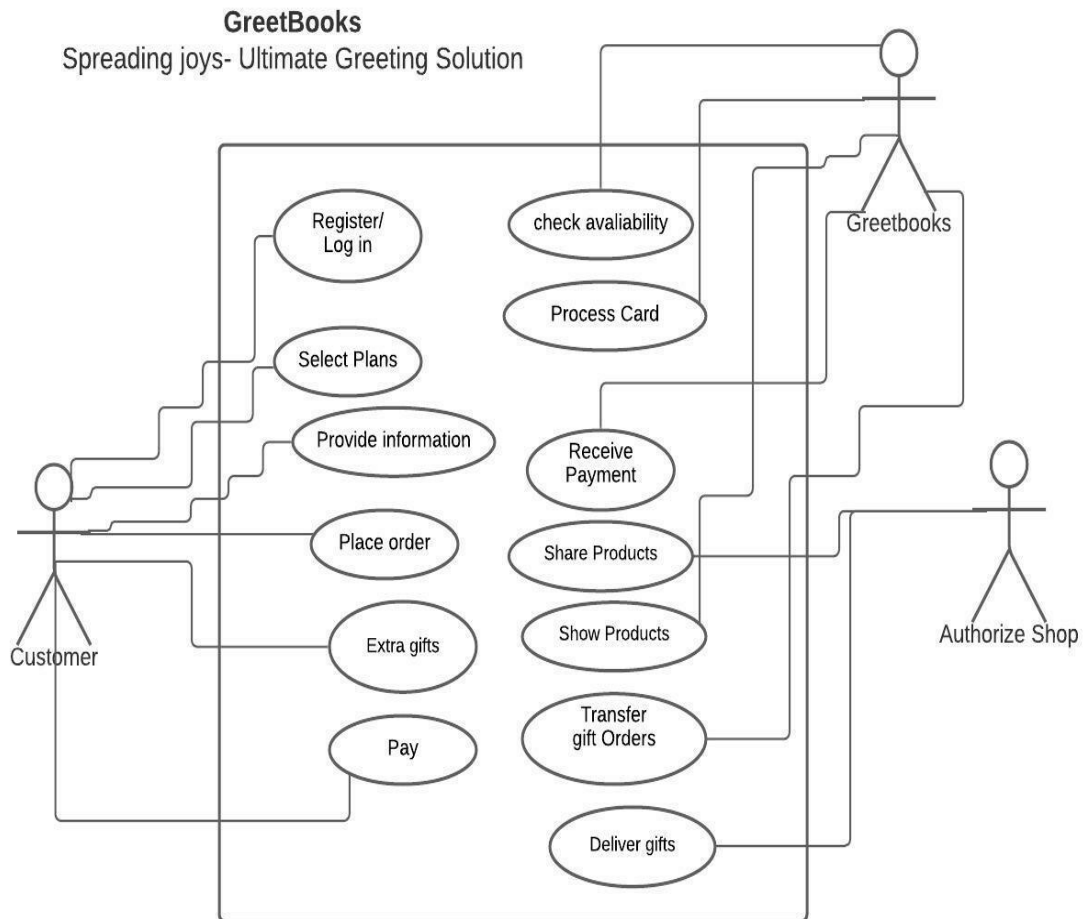
Figure 9: Full system Use Case

9.3 Full System Activity Diagram
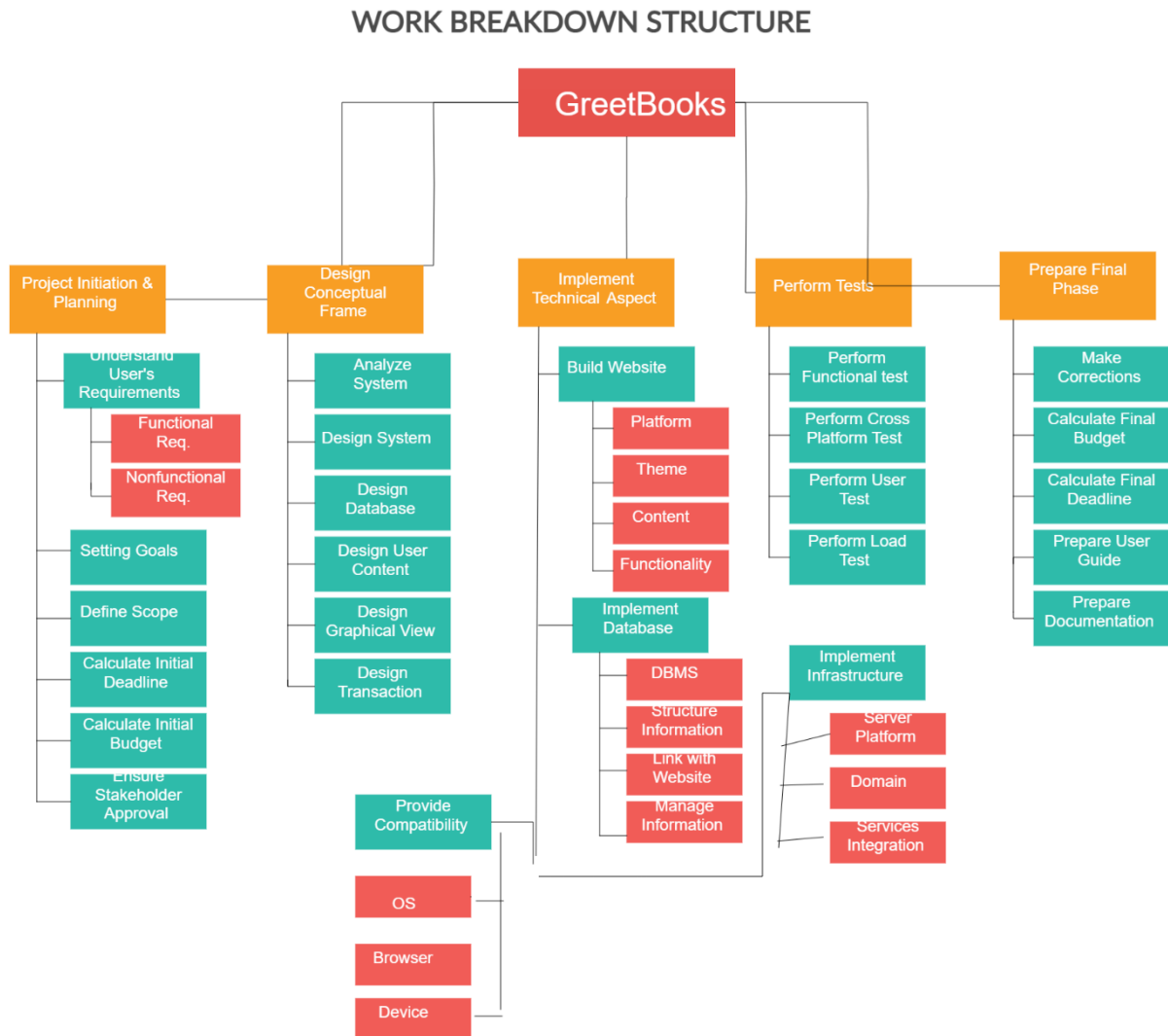
Figure 10: Full system Activity Plan
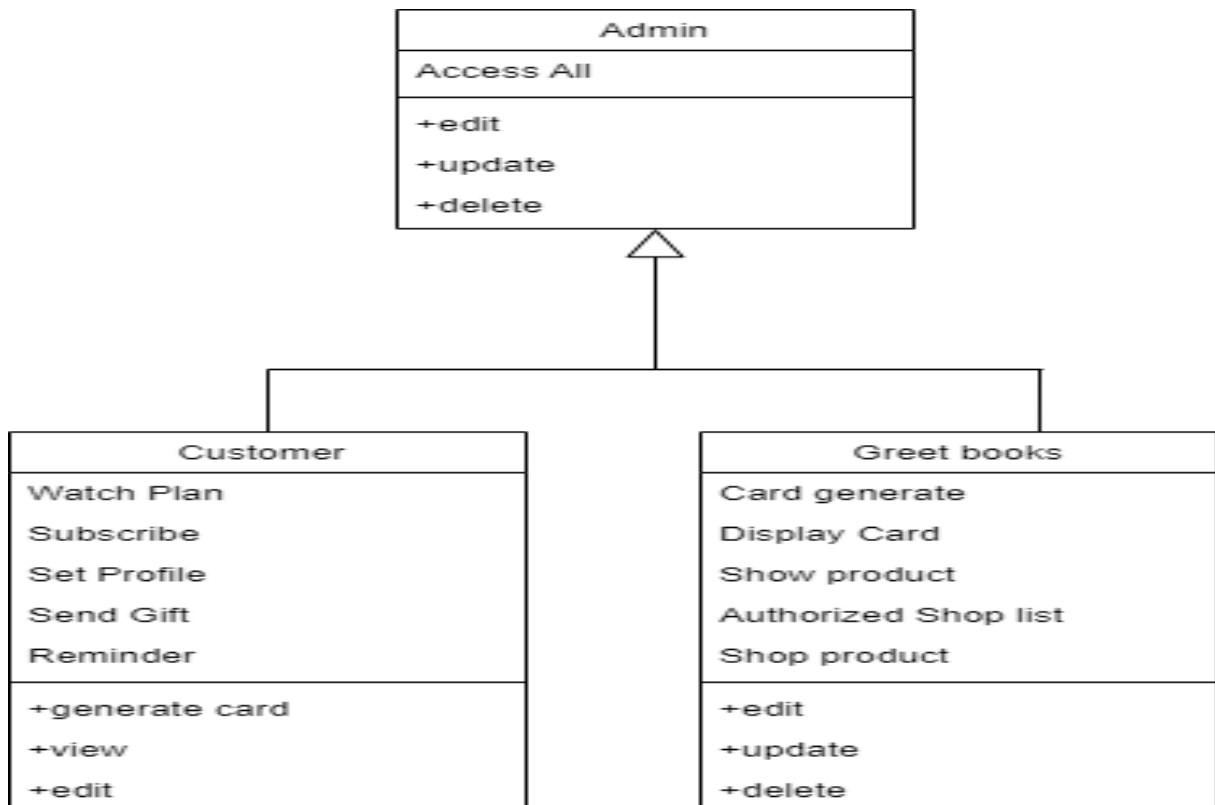
Figure 11: Class Diagram
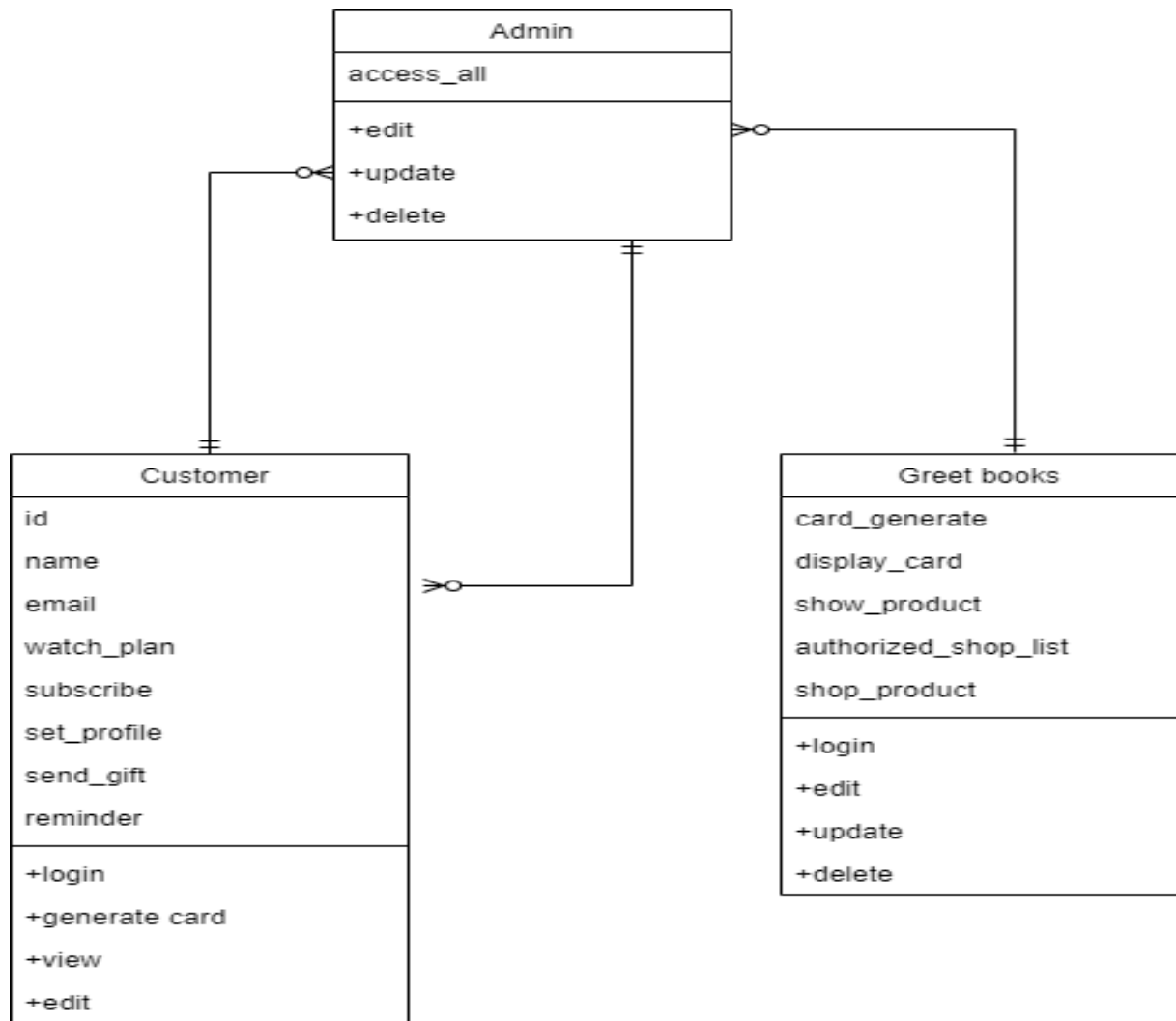
Figure 12: ERD Diagram
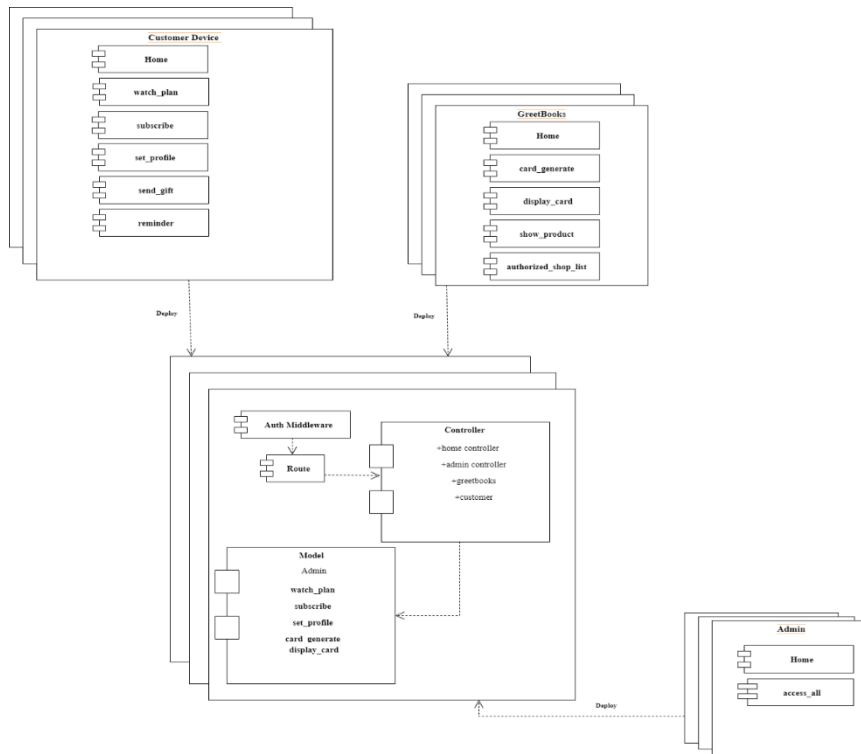
Figure 13: Deployment Diagram
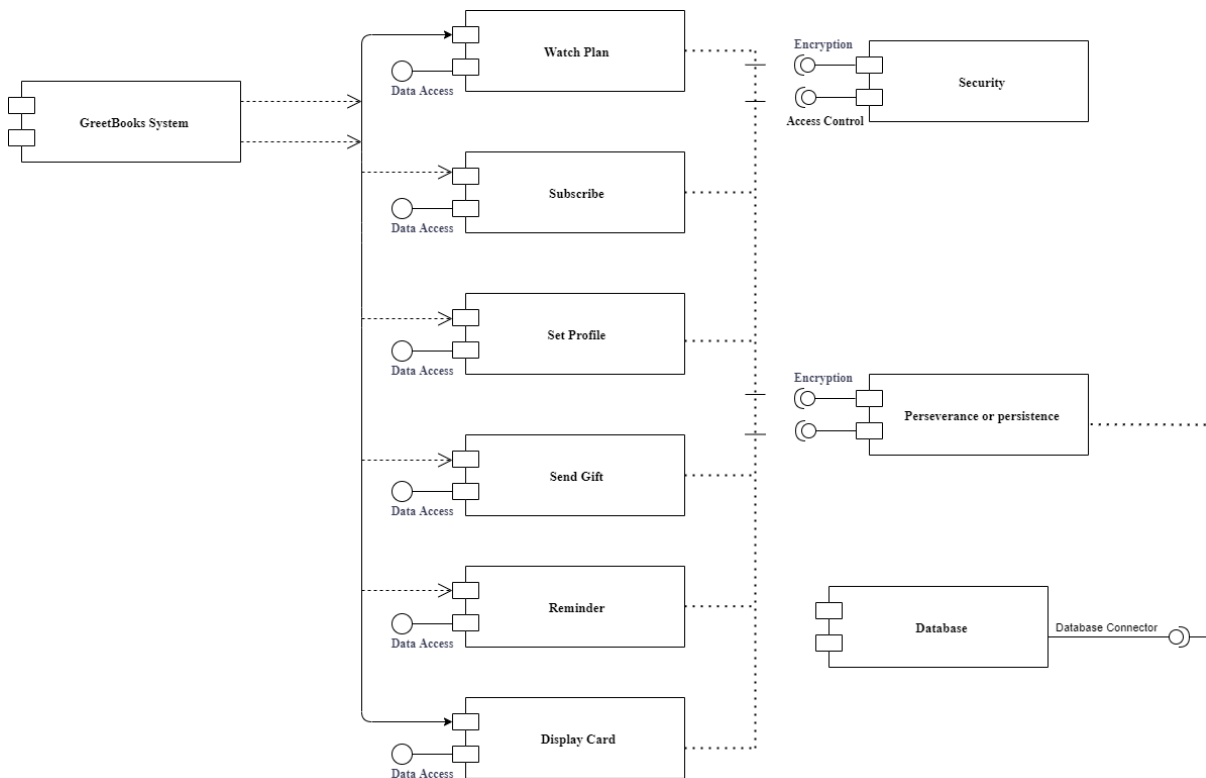
Figure 14: Component Diagram

Chapter 10 – Deployment / Development

10.1 Core Module Coding Samples

Registration Process

```php
register.php
1    <?php include('functions.php') ?>
2
3    <!DOCTYPE html>
4    <html>
5    <head>
6        <title>Registration system PHP and MySQL</title>
7            <link rel="stylesheet" href="style.css">
8    </head>
9    <body>
10   <div class="header">
11       <h2>Register</h2>
12   </div>
13   <form method="post" action="register.php">
14
15           <?php echo display_error(); ?>
16
17       <div class="input-group">
18           <label>Username</label>
19           <input type="text" name="username" value="<?php echo $username; ?>">
20       </div>
21       <div class="input-group">
22           <label>Email</label>
23           <input type="email" name="email" value="<?php echo $email; ?>">
24       </div>
25       <div class="input-group">
26           <label>Password</label>
27           <input type="password" name="password_1">
28       </div>
29       <div class="input-group">
30           <label>Confirm password</label>
31           <input type="password" name="password_2">
32       </div>
33       <div class="input-group">
34           <button type="submit" class="btn" name="register_btn">Register</button>
35       </div>
36       <p>
37           Already a member? <a href="login.php">Sign in</a>
38       </p>
39   </form>
40   </body>
41   </html>
```

Registration Validation

```php
functions.php
1    <?php
2    session_start();
3
4    // connect to database
5    $db = mysqli_connect('localhost', 'root', '', 'multi_login');
6
7    // variable declaration
8    $username = "";
9    $email    = "";
10   $errors   = array();
11
12   // call the register() function if register_btn is clicked
13   if (isset($_POST['register_btn'])) {
14       register();
15   }
16
17   // REGISTER USER
18   function register(){
19       // call these variables with the global keyword to make them available in function
20       global $db, $errors, $username, $email;
21
22       // receive all input values from the form. Call the e() function
23       // defined below to escape form values
24       $username   = e($_POST['username']);
25       $email      = e($_POST['email']);
26       $password_1 = e($_POST['password_1']);
27       $password_2 = e($_POST['password_2']);
28
29       // form validation: ensure that the form is correctly filled
30       if (empty($username)) {
31           array_push($errors, "Username is required");
32       }
33       if (empty($email)) {
34           array_push($errors, "Email is required");
35       }
36       if (empty($password_1)) {
37           array_push($errors, "Password is required");
38       }
39       if ($password_1 != $password_2) {
40           array_push($errors, "The two passwords do not match");
41       }
42
```

Registration Process

```php
// register user if there are no errors in the form
if (count($errors) == 0) {
    $password = md5($password_1);//encrypt the password before saving in the database


    if (isset($_POST['user_type'])) {
        $user_type = e($_POST['user_type']);
        $query = "INSERT INTO users (username, email, user_type, password)
                    VALUES('$username', '$email', '$user_type', '$password')";
        mysqli_query($db, $query);
        $_SESSION['success']  = "New user successfully created!!";
        header('location: home.php');
    }else{
        $query = "INSERT INTO users (username, email, user_type, password)
                    VALUES('$username', '$email', 'user', '$password')";
        mysqli_query($db, $query);

        // get id of the created user
        $logged_in_user_id = mysqli_insert_id($db);


        $_SESSION['user'] = getUserById($logged_in_user_id); // put logged in user in session
        $_SESSION['success']  = "Now you're logged in as";
        header('location: index.php');
    }
}
}
```

```php
// return user array from their id
function getUserById($id){
    global $db;
    $query = "SELECT * FROM users WHERE id=" . $id;
    $result = mysqli_query($db, $query);

    $user = mysqli_fetch_assoc($result);
    return $user;
}

// escape string
function e($val){
    global $db;
    return mysqli_real_escape_string($db, trim($val));
}

function display_error() {
    global $errors;

    if (count($errors) > 0){
        echo '<div class="error">';
            foreach ($errors as $error){
                echo $error .'<br>';
            }
        echo '</div>';
    }
}


function isLoggedIn()
{
    if (isset($_SESSION['user'])) {
        return true;
    }else{
        return false;
    }
}
```

Log out

```php
// log user out if logout button clicked
if (isset($_GET['logout'])) {
    session_destroy();
    unset($_SESSION['user']);
    header("location: login.php");
}



// call the login() function if register_btn is clicked
if (isset($_POST['login_btn'])) {
    login();
}
```

Log out

Login Validation

```php
// LOGIN USER
function login(){
    global $db, $username, $errors;

    // grab form values
    $username = e($_POST['username']);
    $password = e($_POST['password']);

    // make sure form is filled properly
    if (empty($username)) {
        array_push($errors, "Username is required");
    }
    if (empty($password)) {
        array_push($errors, "Password is required");
    }

    // attempt login if no errors on form
    if (count($errors) == 0) {
        $password = md5($password);

        $query = "SELECT * FROM users WHERE username='$username' AND password='$password' LIMIT 1";
        $results = mysqli_query($db, $query);

        if (mysqli_num_rows($results) == 1) { // user found
            // check if user is admin or user
            $logged_in_user = mysqli_fetch_assoc($results);
            if ($logged_in_user['user_type'] == 'admin') {

                $_SESSION['user'] = $logged_in_user;
                $_SESSION['success']  = "You are now logged in";
                header('location: admin/home.php');
            }else{
                $_SESSION['user'] = $logged_in_user;
                $_SESSION['success']  = "You are now logged in";

                header('location: index.php');

            }
        }else {
            array_push($errors, "Wrong username/password combination");
        }
    }
}
```

Package-Plans

```php
program.php
1    <html lang="en">
2      <head>
3        <title>GreetBooks - Plans</title>
4        <?php include('./partials/header.php') ?>
5      </head>
6      <body>
7        <?php include('./partials/nav.php') ?>
8
9        <section class="mt-7" id="newsletter">
10         <?php include('./partials/newsletter.php') ?>
11       </section>
12
13       <section id="main">
14         <div class="container">
15           <article id="main-col">
16             <h1 class="page-title">Programs</h1>
17             <ul id="programs">
18               <li>
19                 <h3>Happy</h3>
20                 <p>
21                 Limited features you will get on this package or plan
22                 <li><a href="vas.php">3 welcome flower vas</a></li>
23                 <li><a href="oc.php">100 Wish cards online</a></li>
24                 <li><a href="ofc.php">3 Wish cards delivery</a></li>
25                 <li><a href="#">1 year Tech Support</a></li>
26                 <li><a href="#">Unlimited chats</a></li>
27
28
29  <a href="hv.php"><h5>Purchase</h5></a>
30
```

10.2 Design

Navigation Bar

```php
> 🐘 nav.php
<nav class="custom-navbar navbar navbar-expand-lg navbar-dark sticky-top">
  <div class="container">
    <a class="navbar-brand" href="index.php">
      <h1><span class="highlight">GreetBooks  &SpreadLove</span> </h1>
    </a>
    <button
      class="navbar-toggler"
      type="button"
      data-toggle="collapse"
      data-target="#navbarSupportedContent"
      aria-controls="navbarSupportedContent"
      aria-expanded="false"
      aria-label="Toggle navigation"
    >
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav ml-auto">
        <li class="nav-item" id="home">
          <a class="nav-link" href="index.php">Home</a>
        </li>
        <li class="nav-item" id="about">
          <a class="nav-link" href="about.php">About</a>
        </li>
        <li class="nav-item" id="programs">
          <a class="nav-link" href="program.php">Programs</a>
        </li>
        <li class="nav-item" id="contact">
          <a class="nav-link" href="contact.php">Contact</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

Footer

```
s > 🐘 footer.php
  <footer id="footer">
    <div class="container">
      <div class="row">
        <div class="col-sm-6">
          <p>Spreading  Happiness, Copyright &copy; 2021</p>
        </div>
        <div class="col-sm-6">
          <a href="www.facebook.com" target="_blank"
            ><i class="fab fa-facebook"></i> Visit our Facebook</a
          >
        </div>
      </div>
    </div>
  </footer>
```

Newsletter

```
partials > 🐘 newsletter.php
1    <div class="container">
2      <div class="row">
3        <div class="col-md-6">
4          <h1>Subscribe To Our Newsletter</h1>
5        </div>
6        <div class="col-md-6">
7          <form class="subscribe">
8            <div class="input-group">
9              <input
10               type="email"
11               placeholder="Enter Your Email..."
12               class="form-control"
13             />
14             <div class="input-group-append">
15               <button type="submit" class="input-group-text">
16                 Subscribe
17               </button>
18             </div>
19           </div>
20         </form>
21       </div>
22     </div>
23   </div>
```

About Page

```php
about.php
1    <!DOCTYPE html>
2    <html lang="en">
3      <head>
4        <title>GreetBooks - About</title>
5        <?php include('./partials/header.php') ?>
6      </head>
7      <body>
8        <?php include('./partials/nav.php') ?>
9
10       <section class="mt-7" id="newsletter">
11         <?php include('./partials/newsletter.php') ?>
12       </section>
13
14       <section id="main">
15         <div class="container">
16           <article id="main-col">
17             <h1 class="page-title">About Us</h1>
18
19             <p class="dark">
20               Greetings are casual — a handshake, a smile, and a 'hello' will do just fine. ... They usually shake hands only when they meet for the first time.
21               Social kissing, often just a peck on the cheek, is common in an informal situation between men and women and between women who know each other very well.
22   As technology makes it easier for us to greet each other in professional contexts on personal social networks,
23   we are now running into new challenges of communicating professionally with one another online that go beyond writing "All best" at the bottom of emails.
24   How do you give a virtual handshake? Should you ever accept a poke from a co-worker? Take Facebook's Greetings feature as a case study.
25   According to Metro UK, new ways to react to profiles on Facebook are rolling out to select users in the U.K., France, Thailand, Australia, Canada, and Colombia as
26   People using the social media platform in those countries can now wave, high-five, hug, wink, or poke users through a new "hello" option under users' profiles.
27   New forms of wordless communication aim to increase users' engagement with technology platforms.
28   Still, it's more interesting to consider how our relationships with each other change when we're given new options to react to our coworkers.
29   As a general public service announcement, I would argue that the same handshake rules apply no matter where you're giving the salutation.
30
31   Greetbooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings,
32   gift cards, or tokens of gifts. Nowadays people are too busy with their regular activities and often forget precious moments of their lives.
33             </p>
34           </article>
35
36           <aside id="sidebar">
37             <div class="dark">
38               <h3>What We Do</h3>
39
40               <p>
41               Greetbooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings, gift cards, or t
42               </p>
43             </div>
44           </aside>
45         </div>
46       </section>
47
48       <?php include('./partials/footer.php') ?>
```

Contact Page

```
contact.php
1   <html lang="en">
2     <head>
3       <title>GreetBooks - Contact</title>
4       <?php include('./partials/header.php') ?>
5     </head>
6     <body>
7       <?php include('./partials/nav.php') ?>
8
9       <section class="mt-7" id="newsletter">
10        <?php include('./partials/newsletter.php') ?>
11      </section>
12
13      <section id="main">
14        <div class="container">
15          <article id="main-col">
16            <h1 class="page-title">Contact</h1>
17            <ul id="programs">
18              <li>
19                <h3>For any queries or Contract</h3>
20                <p>
21                Concord Regency19/1 Panthapath, Dhaka 1205
22                </p>
23              </li>
24
25              <li>
26
27                <p>
28                Greetbooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings, gift cards, or tokens of gifts.
29                </p>
30              </li>
31
32  <img src="img/con.png" alt="">
33            </ul>
34          </article>
```

Contact Form

```
<img src="img/con.png" alt="">
            </ul>
          </article>

          <aside id="sidebar">
            <div class="dark">
              <h3>Get A Quote</h3>
              <form class="quote">
                <div>
                  <label>Name</label><br />
                  <input type="text" placeholder="Name" />
                </div>
                <div>
                  <label>Email</label><br />
                  <input type="email" placeholder="Emial Address" />
                </div>
                <div>
                  <label>Message</label><br />
                  <textarea placeholder="Message"></textarea>
                </div>
                <button class="button_1" type="submit">Send</button>
              </form>
            </div>
          </aside>
        </div>
      </section>

      <?php include('./partials/footer.php') ?>

    </body>
</html>
```

10.3 Possible problem breakdown

Dashboard

```html
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" href="hf.css">

     <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
<body>
  <div class="sidebar">
    <div class="logo-details">
      <i class='bx bxl-c-plus-plus'></i>
      <span class="logo_name">GreetBooks</span>
    </div>
      <ul class="nav-links">
        <li>
          <a href="#" class="active">
            <i class='bx bx-grid-alt' ></i>
            <span class="links_name">Dashboard</span>
          </a>
        </li>
        <li>
```

```html
  <li>
    <a href="#">
      <i class='bx bx-heart' ></i>
      <span class="links_name">Favrorites</span>
    </a>
  </li>
  <li>
    <a href="#">
      <i class='bx bx-cog' ></i>
      <span class="links_name">Setting</span>
    </a>
  </li>
  <li class="log_out">
    <a href="#">
      <i class='bx bx-log-out'></i>
      <span class="links_name">Log out</span>
    </a>
  </li>
```

Features

```html
<li>
  <a href="#">
    <i class='bx bx-box' ></i>
    <span class="links_name">Reminders</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-list-ul' ></i>
    <span class="links_name">Order list</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-pie-chart-alt-2' ></i>
    <span class="links_name">Analytics</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-coin-stack' ></i>
    <span class="links_name">Up coming events</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-book-alt' ></i>
    <span class="links_name">Total order</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-user' ></i>
    <span class="links_name">Requested Cards</span>
  </a>
</li>
<li>
  <a href="#">
    <i class='bx bx-message' ></i>
    <span class="links_name">Messages</span>
  </a>
</li>
```

```html
    </div>
<section class="home-section">
  <nav>
    <div class="sidebar-button">
      <i class='bx bx-menu sidebarBtn'></i>
      <span class="dashboard">Dashboard</span>
    </div>
    <div class="search-box">
      <input type="text" placeholder="Search...">
      <i class='bx bx-search' ></i>
    </div>
    <div class="profile-details">
      <img src="img/pf.jpg" alt="">
      <span class="admin_name">MD.Tanvir Ahmed</span>
      <i class='bx bx-chevron-down' ></i>
    </div>
  </nav>

  <div class="home-content">
    <div class="overview-boxes">
      <div class="box">
        <div class="right-side">
          <div class="box-topic">Total Points</div>
          <div class="number">876</div>
          <div class="indicator">
            <i class='bx bx-up-arrow-alt'></i>
            <span class="text">Up from yesterday</span>
          </div>
        </div>
        <i class='bx bx-cart-alt cart'></i>
      </div>
      <div class="box">
        <div class="right-side">
          <div class="box-topic">Total Connections</div>
          <div class="number">38</div>
          <div class="indicator">
            <i class='bx bx-up-arrow-alt'></i>
            <span class="text">Up from yesterday</span>
          </div>
        </div>
        <i class='bx bxs-cart-add cart two' ></i>
      </div>
```

Delivered Items

```html
<div class="box">
  <div class="right-side">
    <div class="box-topic">Sent Cards</div>
    <div class="number">225</div>
    <div class="indicator">
      <i class='bx bx-up-arrow-alt'></i>
      <span class="text">Up from yesterday</span>
    </div>
  </div>
  <i class='bx bx-cart cart three' ></i>
</div>
<div class="box">
  <div class="right-side">
    <div class="box-topic">Balance remain</div>
    <div class="number">11,00</div>
    <div class="indicator">
      <i class='bx bx-down-arrow-alt down'></i>
      <span class="text">Down From Today</span>
    </div>
  </div>
  <i class='bx bxs-cart-download cart four' ></i>
</div>
</div>
```

Tracking

```html
<div class="sales-boxes">
  <div class="recent-sales box">
    <div class="title">Recent Delivered</div>
    <div class="sales-details">
      <ul class="details">
        <li class="topic">Date</li>
        <li><a href="#">02 Jan 2021</a></li>
        <li><a href="#">05 Jan 2021</a></li>
        <li><a href="#">08 Jan 2021</a></li>
        <li><a href="#">09 Jan 2021</a></li>
        <li><a href="#">14 Jan 2021</a></li>
        <li><a href="#">16 Jan 2021</a></li>
        <li><a href="#">22 Jan 2021</a></li>
      </ul>
      <ul class="details">
      <li class="topic">Connections</li>
      <li><a href="#">MD Selim Hossain</a></li>
      <li><a href="#">Abdullah Bin Kashem Bhuiyan</a></li>
      <li><a href="#">Abir Azmyne</a></li>
      <li><a href="#">Shsrif ashik</a></li>
      <li><a href="#">Tiasha Rafa</a></li>
      <li><a href="#">Diana Penty</a></li>
      <li><a href="#">Robiul Islam</a></li>
      <li><a href="#">Abu Ahad Boiram</a></li>
      <li><a href="#">Anwar Hossain</a></li>


      </ul>
      <ul class="details">
        <li class="topic">Greetings</li>
        <li><a href="#">Delivered</a></li>
        <li><a href="#">Pending</a></li>
        <li><a href="#">Returned</a></li>
        <li><a href="#">Delivered</a></li>
        <li><a href="#">Pending</a></li>
        <li><a href="#">Returned</a></li>
        <li><a href="#">Delivered</a></li>
        <li><a href="#">Pending</a></li>
        <li><a href="#">Delivered</a></li>
      </ul>
```

Upcoming Events

```html
<div class="top-sales box">
  <div class="title">Upcoming Events</div>
  <ul class="top-sales-details">
    <li>
    <a href="program.php">
      <img src="img/abir.jpg" alt="">
      <span class="product">Minhaj ul Abedin</span>
    </a>
    <span class="price">Anniversary</span>
  </li>
  <li>
    <a href="#">
    <img src="img/adnan.jpg" alt="">
      <span class="product">Adnan </span>
    </a>
    <span class="price">Birthday</span>
  </li>
  <li>
    <a href="#">
    <img src="img/asif1.jpg" alt="">
      <span class="product">Akash</span>
    </a>
    <span class="price">Birthday</span>
  </li>
  <li>
    <a href="#">
    <img src="img/ahad1.jpg" alt="">
      <span class="product">Ahad Khan</span>
    </a>
    <span class="price">Birthday</span>
  </li>
  <li>
    <a href="#">
    <img src="img/abir.jpg" alt="">
      <span class="product">Akash vai</span>
    </a>
    <span class="price">Annvirsary</span>
  </li>
  <li>
    <a href="#">
    <img src="img/ahmed.jpg" alt="">
      <span class="product">Ahmed Baraka Sir</span>
    </a>
```

10.4 Prioritization while developing

Registration Validation

```php
functions.php
1    <?php
2    session_start();
3
4    // connect to database
5    $db = mysqli_connect('localhost', 'root', '', 'multi_login');
6
7    // variable declaration
8    $username = "";
9    $email    = "";
10   $errors   = array();
11
12   // call the register() function if register_btn is clicked
13   if (isset($_POST['register_btn'])) {
14       register();
15   }
16
17   // REGISTER USER
18   function register(){
19       // call these variables with the global keyword to make them available in function
20       global $db, $errors, $username, $email;
21
22       // receive all input values from the form. Call the e() function
23       // defined below to escape form values
24       $username   = e($_POST['username']);
25       $email      = e($_POST['email']);
26       $password_1 = e($_POST['password_1']);
27       $password_2 = e($_POST['password_2']);
28
29       // form validation: ensure that the form is correctly filled
30       if (empty($username)) {
31           array_push($errors, "Username is required");
32       }
33       if (empty($email)) {
34           array_push($errors, "Email is required");
35       }
36       if (empty($password_1)) {
37           array_push($errors, "Password is required");
38       }
39       if ($password_1 != $password_2) {
40           array_push($errors, "The two passwords do not match");
41       }
42
```

Registration Process

```php
// register user if there are no errors in the form
if (count($errors) == 0) {
    $password = md5($password_1);//encrypt the password before saving in the database

    if (isset($_POST['user_type'])) {
        $user_type = e($_POST['user_type']);
        $query = "INSERT INTO users (username, email, user_type, password)
                    VALUES('$username', '$email', '$user_type', '$password')";
        mysqli_query($db, $query);
        $_SESSION['success']  = "New user successfully created!!";
        header('location: home.php');
    }else{
        $query = "INSERT INTO users (username, email, user_type, password)
                    VALUES('$username', '$email', 'user', '$password')";
        mysqli_query($db, $query);

        // get id of the created user
        $logged_in_user_id = mysqli_insert_id($db);

        $_SESSION['user'] = getUserById($logged_in_user_id); // put logged in user in session
        $_SESSION['success']  = "Now you're logged in as";
        header('location: index.php');
    }
}
}
```

```php
// return user array from their id
function getUserById($id){
    global $db;
    $query = "SELECT * FROM users WHERE id=" . $id;
    $result = mysqli_query($db, $query);

    $user = mysqli_fetch_assoc($result);
    return $user;
}

// escape string
function e($val){
    global $db;
    return mysqli_real_escape_string($db, trim($val));
}

function display_error() {
    global $errors;

    if (count($errors) > 0){
        echo '<div class="error">';
            foreach ($errors as $error){
                echo $error .'<br>';
            }
        echo '</div>';
    }
}


function isLoggedIn()
{
    if (isset($_SESSION['user'])) {
        return true;
    }else{
        return false;
    }
}
```

Login Validation

```php
// LOGIN USER
function login(){
    global $db, $username, $errors;

    // grab form values
    $username = e($_POST['username']);
    $password = e($_POST['password']);

    // make sure form is filled properly
    if (empty($username)) {
        array_push($errors, "Username is required");
    }
    if (empty($password)) {
        array_push($errors, "Password is required");
    }

    // attempt login if no errors on form
    if (count($errors) == 0) {
        $password = md5($password);

        $query = "SELECT * FROM users WHERE username='$username' AND password='$password' LIMIT 1";
        $results = mysqli_query($db, $query);

        if (mysqli_num_rows($results) == 1) { // user found
            // check if user is admin or user
            $logged_in_user = mysqli_fetch_assoc($results);
            if ($logged_in_user['user_type'] == 'admin') {

                $_SESSION['user'] = $logged_in_user;
                $_SESSION['success']  = "You are now logged in";
                header('location: admin/home.php');
            }else{
                $_SESSION['user'] = $logged_in_user;
                $_SESSION['success']  = "You are now logged in";

                header('location: index.php');
            }
        }else {
            array_push($errors, "Wrong username/password combination");
        }
    }
}
```

Chapter 11 – Testing Stages

☐   Test Plan

☐   Testing against time boxes

☐   Required tests

☐   Experiment

☐   Client acknowledgment test plan

Inputs

☐   Project the board plan

☐   Project records

☐   Undertaking natural elements

☐   Authoritative cycle resources

Devices and Strategies

☐   Master judgment

☐   Undifferentiated from assessing

☐   Parametric assessing

☐   Base up assessing

☐   Information investigation

☐   Project the executive's data framework

☐   Navigation

Yields

☐   Quotes

☐   Premise of appraisals

☐   Project reports

11.1 Test Case

The test case has described a set of logic under which a tester decides whether or not a software application meets the client's needs. Preconditions, input conditions, subject, name, add the expected result are all included in a test case design. The following are three test cases for GreetBooks software.

Unit Test

Test case Name	Unit Test		
Test Class			
Test Description			
Data Source	Test Steps	Expected Result	Actual Result

Module Test

Test case Name	Module Test		
Test Class			
Test Description			
Data Source	Test Steps	Expected Result	Actual Result

Integration Test

Test case Name	Integration Test		
Test Class			
Test Description			
Data Source	Test Steps	Expected Result	Actual Result

Chapter 12 – Implementation

The executive's correspondence plan defines how crucial data will be conveyed to partners throughout the undertaking. It likewise figures out who will get the correspondence, how those individuals will get mail, and when/how frequently they ought to hope to get that data.

As a task correspondence plan format, I need to ensure that arrangement incorporates:

☐ The reason or objectives of the correspondence plan

☐ Data about partners and their jobs

☐ The kinds of information that should have been imparted to partners

☐ The techniques used to convey

☐ The recurrence that every partner might want to get data

Considering the accompanying conditions, our partners are probably going to see or join in:

☐ A week after week registrations

☐ Gatherings, regardless of whether face to face, via telephone, or through video conferencing

☐ Meeting rundowns

☐ Status reports

☐ Formal introductions

☐ Studies

☐ Plans for the day

☐ Project dashboards

☐ Joint effort applications, for example, Facebook courier Google Home bases WhatsApp, and so on

☐　　Different remarks

HR the executives is a vital piece of the IT foundation building Task. The HR board plan is an apparatus that will help with administering this task's human asset exercises all through the undertaking until the conclusion.

The HR executive's plan incorporates:

☐　　Jobs and Obligations of Colleagues All through the Task

- 　　Job - portrayal of the piece of the venture for which the part is responsible
- 　　Authority - the level at which the part might simply decide, apply project assets, or make endorsements
- 　　Obligation - the work, a colleague should perform to finish allocated work exercises
- 　　Capability - the skill(s) expected to finish relegated project exercises

☐　　Project Association Outlines

☐　　Staffing The board Intends to Include:

- 　　How assets will be gained
- 　　Course of events for assets/ranges of abilities
- 　　Assuming preparation is expected to foster abilities
- 　　How execution surveys will be directed
- 　　Acknowledgment and prizes framework

The HR board plan is to make project progress by guaranteeing that suitable HR is obtained with the vital abilities, assets are prepared to assume any holes in abilities are recognized, group building systems are characterized, and group exercises are successfully made due.

- •　　Preparing
- •　　Huge explosion (no pilot, equal execution plot)
- •　　Scaling (is there any arrangement?)
- •　　Load Adjusting

Chapter 13 – Critical Appraisal and Evaluation

We should guarantee that the central role of correspondence and what we need is direct by utilizing many methods. That implies we would instead not convey on each matter or consistently or on a more regular basis. We simply need to have genuine correspondence.

Viable correspondence is mainly required for:

- ☐ Further developed independent direction

- ☐ Prior advance notice of possible issues

- ☐ Expanded efficiency

- ☐ More grounded business connections

- ☐ Improved proficient picture

We additionally can follow the method called "SMART."

SMART represents:

- Specific
- Measurable
- Actionable
- Relevant; and
- Timely

Importance is critical. Everybody needs a similar measure of data conveyed the same way, yet nearly everybody needs their data given reliably on schedule.

This segment of the Execution Plan clarifies the reason and significance of having an HR executives plan. It should give an overall depiction of the proper explanation the task supervisor and group can utilize the program to assist them with dealing with them.

Chapter 14 – Lessons Learned

Project acquirements are about the purchaser and merchants. GreeetBooks is working with us to construct their new It Foundation.

We marked an agreement/concurrence with them. It's a shared understanding.

It is recorded who is answerable for what and what we are presenting for, and he pays for what.

Because of mastery or asset imperatives, many tasks require outside assets to finish their work. These assets can emerge from either the venture's parent association or external sources. Yet, paying little heed to how they are gotten, project obtainment is one of the most intriguing areas of task the executives and results in the greatest migraines for the undertaking supervisory crew.

> The task obtainment the board interaction falls perfectly inside the four standard venture the executives' stages:

1. Planning
2. Execution
3. Control
4. Closure

The Task, the board Group of Information (PMBOK Guide) adds one more toward starting. Notwithstanding, it is tiny, and there are no things from the acquisition information region.

14.1 Planning

The initial planning phase represents the part when the procurements are identified and defined:

☐   What should be obtained?

☐   How might it be obtained?

☐   Who is answerable for securing it?

☐ Who will compose the obtainment reports?

☐ When will it be got?

☐ When will the agreement fruition dates be?

The executive acquisition gives plan contains the methodology, processes, and other data expected to direct the venture supervisor through the acquirement exercises. It indicates the kinds of agreements that the task will utilize.

14.2 Execution

The acquirements recognized in the board plaof n's obtainment are carried out during the execution stage. This can shift from one undertaking to another and agree to contract, yet by and large, contain the accompanying four steps:

1. Preparation of the assertion of work/terms of reference
   2. Development of gauge
   3. Preparation of offered records
   4. Advertising of agreement
   5. Performance of work

14.3 Control

Project control in acquisition includes quality control investigations on the worker for hire's work. The project worker has determinations that they should follow, which incorporate technical details and achievement dates (among different things). Be that as it may, numerous things can be overstated, extended, or through and through fudged without the proprietor discovering.

Each venture task is evaluated utilizing acquired worth administration to decide whether the work (and huge undertaking) is on schedule and spending.

As we have concurrences with Greetbooks, they will give the main installment conspire on marking the agreement. We will get the second installment when the site will live from that point onward.

Assuming we begin chipping away at it after the subsequent installment, we should complete it in practically no time, and they should clear the accompanying pay before the undertaking handover.

On the off chance they suspect as much, they would instead not finish the undertaking after the initial step; they will not get back the cash.

In this way, we have a great deal of command over them.

14.4 Closure

Most agreements require conclusion as an acknowledgment declaration which conveys that the work for hire's employment is under the agreement is legitimately complete.es are probably going to emerge in an undertaking
The conclusion exercises include:

- Finish endorsements

- As-assembled plans

- Last agreement costs

- Last reports which detail the venture issues experienced and cures

- Preparing and documentation.

The conclusion can be energizing and fulfilling, assuming the administration thinks so!

Chapter 15 – Conclusion

The venture assessment process utilizes foundational examination to assemble information and uncover the adequacy and effectiveness of the board. This acute exercise keeps projects on target and advises partners regarding progress.

Each part of Greetbooks' foundation advancement project is estimated to decide its procedure as arranged and how venture parts are gotten to the next level. We're posing a progression of inquiries intended to find what is working, improving, and regardless of whether the venture is advantageous. However, regarding the project the board, project assessment can be separated into three fundamental sorts: pre-project assessment, continuous assessment, and post-project assessment. In this way, how about we check out the undertaking assessment process.

We picked a web structure in light of the language PHP. We're pre-assessing our undertaking. We can't plan, staff, and control another project if we have not assessed it. Pre-project assessment is the primary sure way you can decide the viability of the task before executing it. That is why we have arranged a ton to gather every one of the prerequisites. All our essential data is assembled and estimated all the gamble factors. For a superior venture, we have sequenced every one of the exercises through the AOA outline; for better timetable administration made a Gantt diagram, all our HR are talented and accessible. When we pick a structure like Laravel as an individual of control, we can handle more than a Wordpess based IT framework. Once more, as an undertaking chief, I can see an all the more free-form, part safer and things like cutting edge innovation and the framework should be adequately refreshed and kept up with by us.

As a venture supervisor, I made an honest effort to design a superior sequenced, coordinated, got, hazard less, very much archived, and genuinely helpful IT foundation for the Greetbooks.

Finally, I genuinely accept that Greetbook's new IT foundation can assist them with contending effectively in the global business and assist Bangladeshi with peopling as a solid association worth focusing on.

I trust it will be a charming excursion working upon it.

Appendices:

Login

Username

shaishabtanvir

Password

••••

Login

Not yet a member? Sign up

Register

Username

Email

Password

Confirm password

Register

Already a member? Sign in

GreetBooks &SpreadLove

HOME ABOUT PROGRAMS CONTACT

GreetBooks

Dashboard

Search...

MD.Tanvir Ahmed **shaishabtanvir** logout

Dashboard

Reminders

Order list

Analytics

Up coming events

Total order

Requested Cards

Messages

Favrorites

Setting

	Total Points	Total Connections	Sent Cards	Balance remain
	876	38	225	11,00
	Up from yesterday	Up from yesterday	Up from yesterday	Down From Today

Recent Delivered

Date	Connections	Greetings	Total
	MD Selim Hossain	Delivered	204.98
02 Jan 2021	Abdullah Bin Kashem Bhuiyan	Pending	24.55
05 Jan 2021	Abir Azmyne	Returned	25.88
08 Jan 2021	Shsrif ashik	Delivered	170.66
09 Jan 2021	Tiasha Rafa	Pending	56.56
14 Jan 2021	Diana Penty	Returned	44.95
16 Jan 2021	Rabiul Islam	Delivered	67.33

Upcoming Events

Minhaj ul Abedin		Anniversary
Adnan		Birthday
Akash		Birthday
Ahad Khan		Birthday
Akash vai		Annvirsary

GreetBooks &SpreadLove

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About Us

Greetings are casual – a handshake, a smile, and a 'hello' will do just fine. ... They usually shake hands only when they meet for the first time. Social kissing, often just a peck on the cheek, is common in an informal situation between men and women and between women who know each other very well. As technology makes it easier for us to greet each other in professional contexts on personal social networks, we are now running into new challenges of communicating professionally with one another online that go beyond writing "All best" at the bottom of emails. How do you give a virtual handshake? Should you ever accept a poke from a co-worker? Take Facebook's Greetings feature as a case study. According to Metro UK, new ways to react to profiles on Facebook are rolling out to select users in the U.K., France, Thailand, Australia, Canada, and Colombia as part of a test. People using the social media platform in those countries can now wave, high-five, hug, wink, or poke users through a new

What We Do

Greetbooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings, gift cards, or tokens of gifts. Nowadays people are too busy with their regular activities and often forget precious moments of their lives. But Greetbooks helps to remind them by simply reducing their valuable time. Let's consider a case. A senior of your campus enabled you to

Happy

Lorem ipsum dolor sit amet, consectetur dipiscing elit. Vivamus mi augue, viverra sit amet ultricies

Smile

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus mi augue, viverra sit amet ultricies

I Care

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus mi augue, viverra sit amet ultricies

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Gift hamper

Price: $07.5

Add to cart

Greetings Card

Price: $1.22

Add to cart

Vas

Price: $5

Add to cart

Happy
$14.99

Limited features you will get on this package or plan

3 welcome flower vas

100 Wish cards online

3 Wish cards delivery

1 year Tech Support

Unlimited chats

Purchase

Smile
$19.99

Only some features you will get on this package or plan

Five welcome flower vas

200 wish cards online

5 Wish cards delivery

1 year Tech Support

Unlimited chats

Purchase

I care
$29.99

All features you will get on this package or plan

10 welcome flower vas

Unlimited Wish cards online

10 Wish cards delivery

2 year Tech Support

Unlimited chats

Purchase

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Contact

For any queries or Contract

Concord Regency19/1 Panthapath, Dhaka 1205

Greetbooks is a conventional greeting system where users can track their relationship's important moments by sending customized greetings, gift cards, or tokens of gifts.

SUBMITTED BY	MD TANVIR AHMED	COMPANY	Daffodil International University
CONTACT NAME	Organizer	ADDRESS	Student, Dept. Of CIS Daffodil International University
PHONE	01714304090		

Get A Quote

Name

Name

Email

Emial Address

Message

Message

Send

| GreetBooks | Dashboard | Search... | | MD.Tanvir Ahmed |

Dashboard
Reminders
Order list
Analytics
Up coming events
Total order
Requested Cards
Messages
Favrorites
Setting

Log out

| Total Points 876 Up from yesterday | Total Connections 38 Up from yesterday | Sent Cards 225 Up from yesterday | Balance remain 11,00 Down From Today |

Upcoming Events

Minhaj ul Abedin	Anniversary
Adnan	Birthday
Akash	Birthday
Ahad Khan	Birthday
Akash vai	Annvirsary
Ahmed Baraka Sir	Farewell
Asmot vai	Transfer
Dwip Mia	Birthday

Recent Delivered

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16 Jan 2021	Robiul Islam	Delivered	67.33
22 Jan 2021	Abu Ahad Boiram	Pending	23.53
	Anwar Hossain	Delivered	46.52

See All

Recent Delivered

Date	Connections	Greetings	Total
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02 Jan 2021	Abdullah Bin Kashem Bhuiyan	Pending	24.55
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14 Jan 2021	Diana Penty	Returned	44.95
16 Jan 2021	Robiul Islam	Delivered	67.33

Twitter 　 LinkedIn 　 Pinterest 　 Cricbuzz 　 blog 　 Grammar

Follow Up Call

Enter your details to receive a call back from us

Full Name *

First Name	Last Name

Phone Number *

(000) 000-0000

Preferred Date and Time *

02/21/2022		📅
February ⌃⌄	2022 ⌃⌄	

MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

Monday, February 21 　 ‹ ›

20:00	21:00
22:00	

🕐 Asia/Dhaka (11:28 PM) ▼

Submit
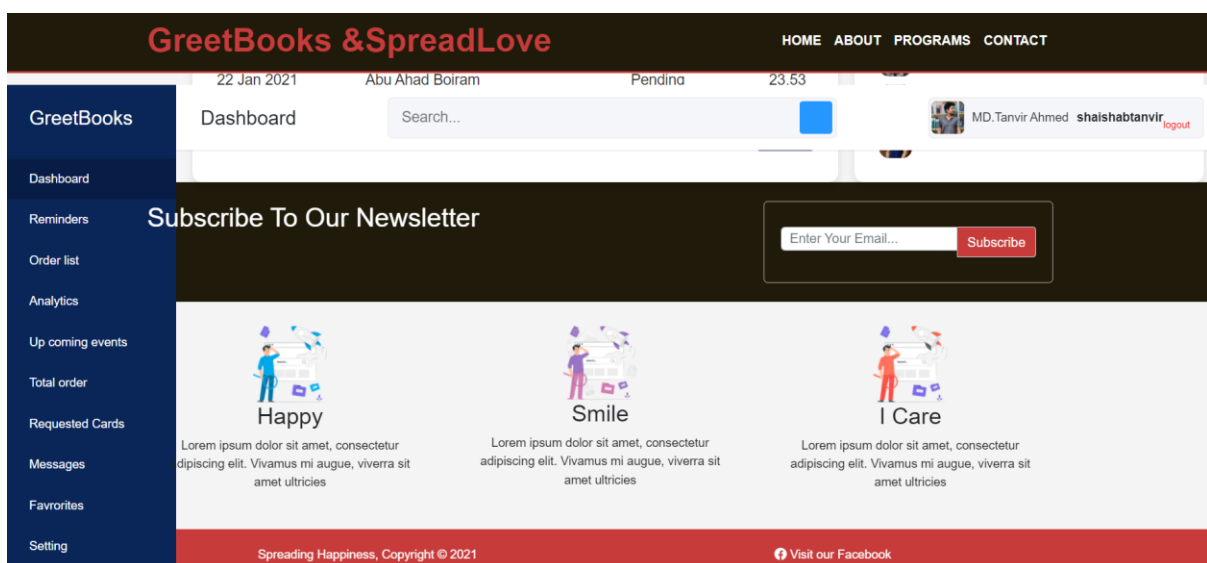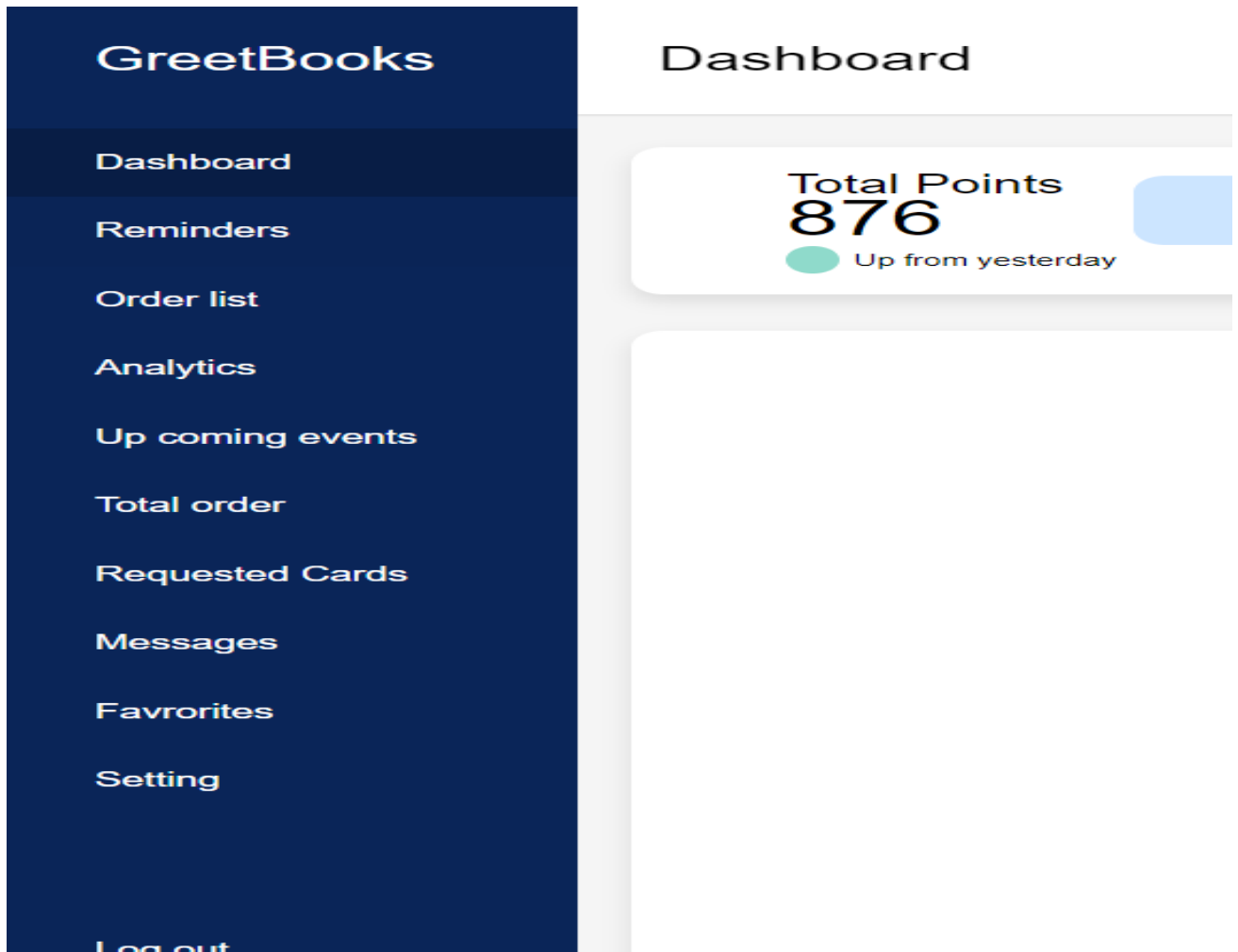
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