

EASY MARRIAGE- A WEB-BASED WEDDING MANAGEMENT SYSTEM

BY

Naimul Huda Walid
ID: 191-15-12090

Nurunnahar Akter Nira
ID: 191-15-12066

Pritom Saha
ID: 191-15-12306

This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

Ms. Afsara Tasneem Misha
Lecturer
Department of CSE
Daffodil International University

Co-Supervised By

Mr. Md. Azizul Hakim
Sr. Lecturer
Department of CSE
Daffodil International University



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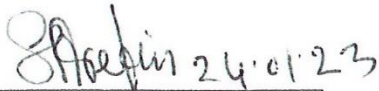
APPROVAL

This Project titled “EASY MARRIAGE- A WEB-BASED WEDDING MANAGEMENT SYSTEM”, submitted by Naimul Huda Walid, Nurunnahar Akter Nira, and Pritom Saha, ID No: 191-15-12090, 191-15-12066 and 191-15-12306 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 24 January 2023.

BOARD OF EXAMINERS

Chairman

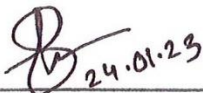
Dr. Touhid Bhuiyan
Professor and Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University



24.01.23

Dr. Mohammad Shamsul Arefin
Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



24.01.23

Md. Sabab Zulfiker
Senior Lecturer
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



24.1.23

Dr. Ahmed Wasif Reza
Associate Professor
Department of Computer Science and Engineering
East West University

External Examiner

DECLARATION

We hereby declare that this project has been done by us under the supervision of **Ms. Afsara Tasneem Misha, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree or diploma.

Supervised by:



Ms. Afsara Tasneem Misha
Lecturer
Department of CSE
Daffodil International University

Co-Supervised by:

Mr. Md. Azizul Hakim
Sr. Lecturer
Department of CSE
Daffodil International University

Submitted by:



Naimul Huda Walid
ID: -191-15-12090
Department of CSE
Daffodil International University



Nurunnahar Akter Nira
ID: -191-15-12066
Department of CSE
Daffodil International University



Pritom Saha
ID: -191-15-12306
Department of CSE
Daffodil International University

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ABSTRACT

In this digital generation, we all want to celebrate our special day hassle-free and memorable in an easy and organized way. As a wedding is a special part of everyone's life and there is a lot of wedding trend in various culture and unique way so we all try to make our wedding event more special but we don't have a platform which can provide us all the services related to the wedding like photographer, wedding cars, event management and many more. So, it becomes time-consuming to organize the event successfully. So having a complete platform that will provide all the services in one place will remove our hassle easily. Now imagine a website where you will get all services from venue to catering services in one place which will be user-friendly and trustable, sound great right? that's why we want to bring technology into this field to manage all services from one place. Where Customer can plan their entire wedding according to their budget and choice. Customers can select wedding packages or they can customize them on their own by using our services from our website named Easy Marriage.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

A wedding is one of the most important events in our country. Cultural and ritual diversity makes it more beautiful. A wedding ceremony seems like a single event but it is a combination of multiple services. Maintaining those services according to budget and time management is very important. An organized event is pleasing but an unorganized event can create chaos. At the traditional wedding, we have to follow all the rituals according to the culture. As a developing country, we are adopting new cultures from the rest of the nations. If we can bring other countries' wedding culture into our wedding events, it will be a new era for the wedding sector. For a basic wedding event, we need services like a community center/venue, photographer, cinematographer, event management, cars, catering, and decorations. Then we have to do the shopping for all the necessary products we need for the wedding. So, finding these multiple services before wedding events is very difficult because we often get poor services after paying a high amount. As we are living in the era of technology, we wanted to implement technology in this field. That's why we built a website called "Easy Marriage" where we organized all the necessary things for a successful and happy wedding. We are providing you with a platform where you can plan your entire wedding according to your budget and choice. You can book single or multiple services from our website. We also provide you with many wedding packages. In the wedding packages section, you can see basic weddings, luxurious weddings, traditional weddings, ritual-based weddings, and other countries' weddings. All these packages are customizable. Our website is safe and secure for all users. We also implement an e-commerce site on our website so that you can buy all the necessary goods for your wedding. We ensure the best product at a budget-friendly price. We build a user-friendly website so users can easily find what they need. Our website has a home page where you will find overall information about our website. We create separate sections for packages, services, and shops. To avail of the services from our website, you have to sign up or log in to our website.

Our website is fully responsive users can use this website from a mobile device, tablet, or laptop. This is a dynamic website we have an admin panel to add and manage services and packages. If we divide our website into front-end and back-end then for the front-end we used HTML 5, CSS 3, JavaScript, jQuery, and Bootstrap and for the back end we used PHP and we used MySQL as our database.

1.2 Motivation

We want to start our own company. We have the vision to make things easier for people. When we see that wedding is a wonderful event of our life and we can make it more beautiful. We all know the problems our elders faced to organize a wedding event. On the other hand, a wedding is a must event for all the rituals and cast in our country so if we can provide variety in this section, it will open ample opportunities for us. Wedding is a combination of multiple services so finding those services according to our time and choice is very tough. So, for solving all these problems we want to make a website where all the necessary services will be held in one place. Customized wedding packages will help you to organize your wedding on a budget. Moreover, we can say this is a complete site for weddings in our country.

1.3 Objectives

Making weddings easy and convenient is the primary goal of this project. We want to minimize the wedding cost in every sector. Bringing variation in the wedding culture so we can convert our wedding into a dream one. A wedding is a very costly ceremony but if we can manage all the services we need, we can minimize the cost. Bringing traditional weddings with complete packages. Providing services and wedding products from a single platform. All the services, packages, and products are customizable so you can buy or take any services you need. Providing only the needed services that will erase extra costs. Making wedding well planned and organized from start to end.

1.4 Expected Outcomes

We are hoping to make this a start-up and we want to provide the services all around the country. Bringing technology to this traditional ceremony will enhance our lifestyle.

- Easy and useful website for the wedding management system.
- Provide all the necessary wedding services in a short time.
- Saving time and managing work pressure.
- To enhance wedding culture and introduce other wedding cultures.
- Provide safe transactions with no hidden charge.
- Providing all the information to arrange a wedding according to your budget.
- User can buy or book any packages or services after completing his/her login or registration on our website.
- In our system all the process is maintained by the admin panel.
- Admin has the right to add or manage packages, services, and products.
- Admin has to approve the bookings for further process.
- Users can give reviews for services and products but he/she must have to log in or register on our website.
- Our website is organized so that users can find his/her required services very easily.

1.5 Report Layout

This is the summarization of this project report format.

Chapter 1 contains an Introduction of this project with its introduction, motivation, objectives, and expected outcome.

Chapter 2 will illustrate a “background” consisting of terminology, related work, comparative analysis, the scope of the problems, and challenges.

Chapter 3 will have Requirement Specification. Here we will describe the business processing model, requirement collection and analysis, functional requirement, non-functional requirement, use case modeling, and design and system requirements.

Chapter 4 tells the design specification and this contains front-end design, back-end design, and proposed system.

Chapter 5 will interpret the implementation and testing. Here we will have the implementation of the database, execution of front-end design, interactions, testing implementation, and test results.

Chapter 6 will describe the impact on society, the environment, and sustainability.

Chapter 7 will discuss the conclusion and future plan of our project.

CHAPTER 2

BACKGROUNDS

2.1 Preliminaries/Terminologies

As we are living in a developing country, we should implement technology for making our life easier. In this modern era, everything is converted to a web application or an android/iOS-based application. Wedding is one of the oldest events in our country but we don't have any platform from which we can know the event's details or organize it. As a result, many event organizers take advantage to make extra money by giving limited services. Keeping all these things in mind we planned and created this website which is user-friendly and easy to access. It is well organized so that users can get the best services they need. During this time, we faced some problems after analyzing those problems we planned to combine the service website with an e-commerce website to make this a complete platform for wedding events. From price range to quality service and products are organized in a way that users can easily choose from multiple options. As it is a dynamic website it always gives you update info for pricing for services and fashionable wedding products for completing your wedding as you like.

In this segment, we would like to provide some similar studies and narrate some wedding-related websites in our country and some other countries as well.

2.2 Related Works

Websites are made to make our life easy. With the help of a specific website, we can easily get what we want from our homes. There is some management website that helps the user to organize their events. Let's see some related projects which are similar to our website:

AmSan Wedding services is an organization in India that made the "Wedding Services" website. they created a website where vendors can make their profiles and upload their services and user can contract with the vendor directly. So, we can say that this is a multi-vendor platform where they just manage the system, they are not involved in any service

providing. They organized the website with multiple categories. In every category, many vendors sell their services [1].

360teem IT Solution designed and developed the website “FAKRUDDIN”. It is a Bangladeshi website that works with wedding catering services. They have no other services except food items. They take online orders 3 days before the events and they have plenty of options to select according to your need. They offer free registration and you have to order a minimum of taka 4,500 and you can pay through bkaash [2].

Knot Worldwide Inc. created the “WEDDINGWIRE” website where you can find a service provider for each service needed in wedding events. This is a pretty complex website but there you can learn all about wedding planning and management system. On this website, they also offer a shopping system. As it is a USA-based website all the services are set according to their culture. It is a multi-vendor website where you can plan your wedding and whatever you need, they will suggest you a service provider even you can make your website to display your wedding story on this website [3].

“BD Event Management & Wedding Planners” is a Bangladeshi website for event management. They include multiple services for different events like birthdays, picnics, and weddings. This website is not organized and user-friendly. Ux/UI is not up to the mark, services are unorganized. They only offer event-related services they do not have any product-selling option [4].

One more website “Creative Wedding Planner & Event Management” was created to organize wedding planning, corporate events, and catering services. They have some pre-built packages for the events. They don’t offer individual services you have to choose an entire event package. They have a good reputation as a service-providing website. They don’t offer any shopping system on their website. Mainly it is an event management website not only a dedicated wedding website [5].

As technologies update gradually and we are becoming dependent on these technologies. We have created such things that will make our life easier. This paper extends a website that will help us for making our wedding easy and hassle-free.

2.3 Comparative Analysis

As per the data we have from the overview, all the other website are not giving all the services or products that is important for wedding events. We worked with the most important services that are needed for a happy wedding event and we take care of users' sensitive information. No website can fully satisfy everyone but we have to ensure all the necessary things on our website.

2.4 Scope of The Problem

We have seen a vast majority of people depending on the web to fulfilling their daily needs. They like to complete their needs from home. A wedding is a lifetime event with many services if they can find all the different services in one platform it will make their event management easier. Users can get an idea of wedding products and services costs. We integrate an admin panel to control all the back-end data to making our website up to date. We only take money for the service and product we sell there is no extra charge or hidden fees. It is an easy-to-use user-friendly responsive website.

2.4.1 Background of The Project

As we are living in a developing country, we should implement technology for making our life easier. In this modern era, everything is converted to a web application or an android/iOS-based application. Wedding is one of the oldest events in our country but we don't have any platform from which we can know the event's details or organize it. As a result, many event organizers take advantage to make extra money by giving limited services. Keeping all these things in mind we planned and created this website which is user-friendly and easy to access. It is well organized so that users can get the best services they need. During this time, we faced some problems and worked on them to get rid of the problem.

2.4.2 Problem Statement

The more technology progress there are more online fraud occurs. As our website has a transaction system and user login system, we have to be more careful. Fake users can order many services at a time to make our schedule busy. As a single vendor, we cannot take

multiple service bookings on the same day. Unorganized shops and pricing problems can cause a negative impression. The different website provides different services as a result the cost became high and maintaining all these things is a hassle for the user. That's why we decided to develop a complete website for weddings.

2.4.3 Proposed System

We would like to propose a dynamic website which will help all the people who would like to make their wedding organized and hassle-free. This will be a complete platform where users can know about all the services that are necessary for weddings, they can also do shopping from our website they can select wedding packages and there is a variety of options to choose from. We will guide them from the start to the end of the event. There will be an agreement before the event and no hidden charge is applicable. Admin panel will manage all the service/package booking so fake booking is not possible because before confirming any services/packages they will confirm the user.

2.5 Challenges

The selection of topics was one of the biggest challenges for us. Firstly, we were confused about what we should choose between the project or theses. After taking on the project we faced lots of difficulties as we want to make a dynamic website but we don't have enough experience in backend programming. We tried our best to learn PHP [6], and MySQL [7] to make our website dynamic. We worked with a database to manage all the data. We have practiced other short projects to get a better idea about how to implement all the things to create a responsive user-friendly website.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modelling

Sometimes it is very hard to understand the workflow of a website from its coding structure. That's why we need Business Processing Model (BPM) for visualizing the entire business model. Graphical presentation of a workflow is much easier to understand and analyze. On our website, users can view the entire website where we organize all the packages and services, they can send feedback or ask any query. Users can view package and service details but before booking any package or service they have to login into the website. Before confirming any package, our admin will create an agreement with the user so that they get the best output from us. We organize the entire website in a way that users can easily find what they want. We implement e-commerce and service sites together that make our website more unique and useful to all.

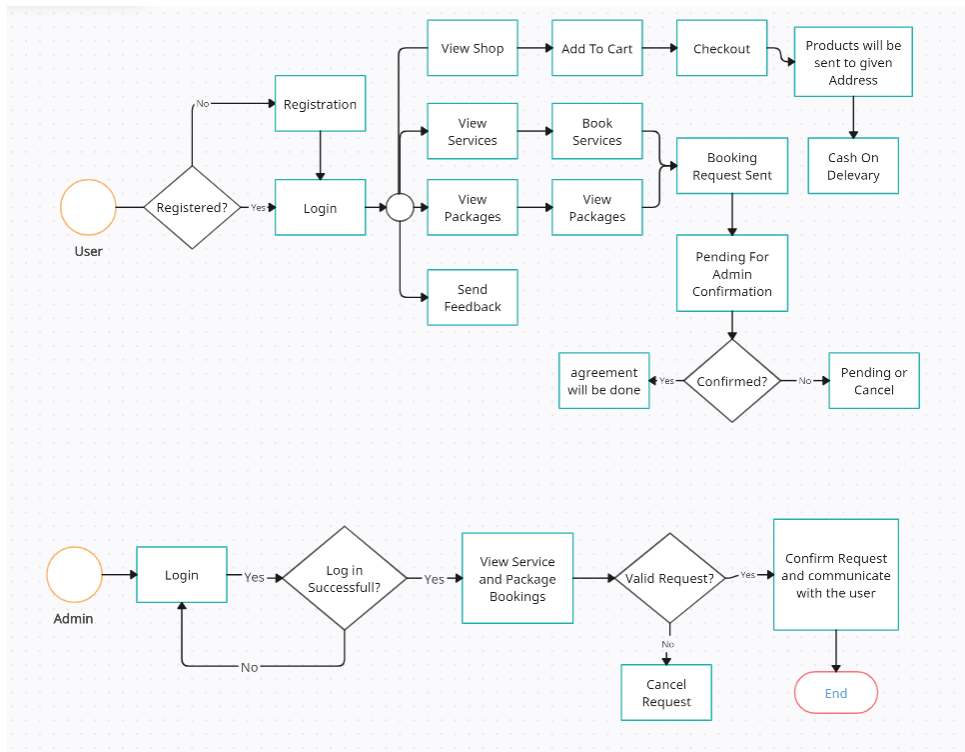


Figure 3.1.1: Business Process Model

3.2 Requirement Collection and Analysis

Requirement collection is the most important task for planning and completing the task. We developed a dynamic website and as a result, we have to follow some specific requirements. For making a top-notch website we have to analyze such requirements. We can do our work more rapidly by obtaining and analyzing each criterion.

3.2.1 Functional Requirement

- Login
- Registration
- Verify package bookings
- Verify service bookings
- Take product orders
- Contact

3.2.2 Non-functional Requirement

- Add packages
- Add services
- Add shop products
- View booking
- Delete booking
- Edit packages
- Edit services

3.3 Use Case Modelling and Description



Figure 3.3.1: User's Use Case Model

Description: Users can view packages, and services and buy products. They also can send any query and they can give feedback. Users can view our previous events they also can know the status of their bookings.

Pre-condition: User logging in and registration is a must before booking packages and services.

Post-condition: An Internet connection is needed for using this website and viewing all.



Figure 3.3.2: Admin's Use Case Model

Description: Admin can add, edit and delete packages, services, and products. Admin can read any query and feedback and can delete also.

Pre-condition: Admin logging in is a must before booking packages and services.

Post-condition: before confirming any bookings must verify the user.

3.4 Logical Data Model

This is a visual representation of the Entity Relationship Diagram which helps us to understand the concept and relationships of the entire system Where we can have an idea about users, objects, admin, and events available in this data table.

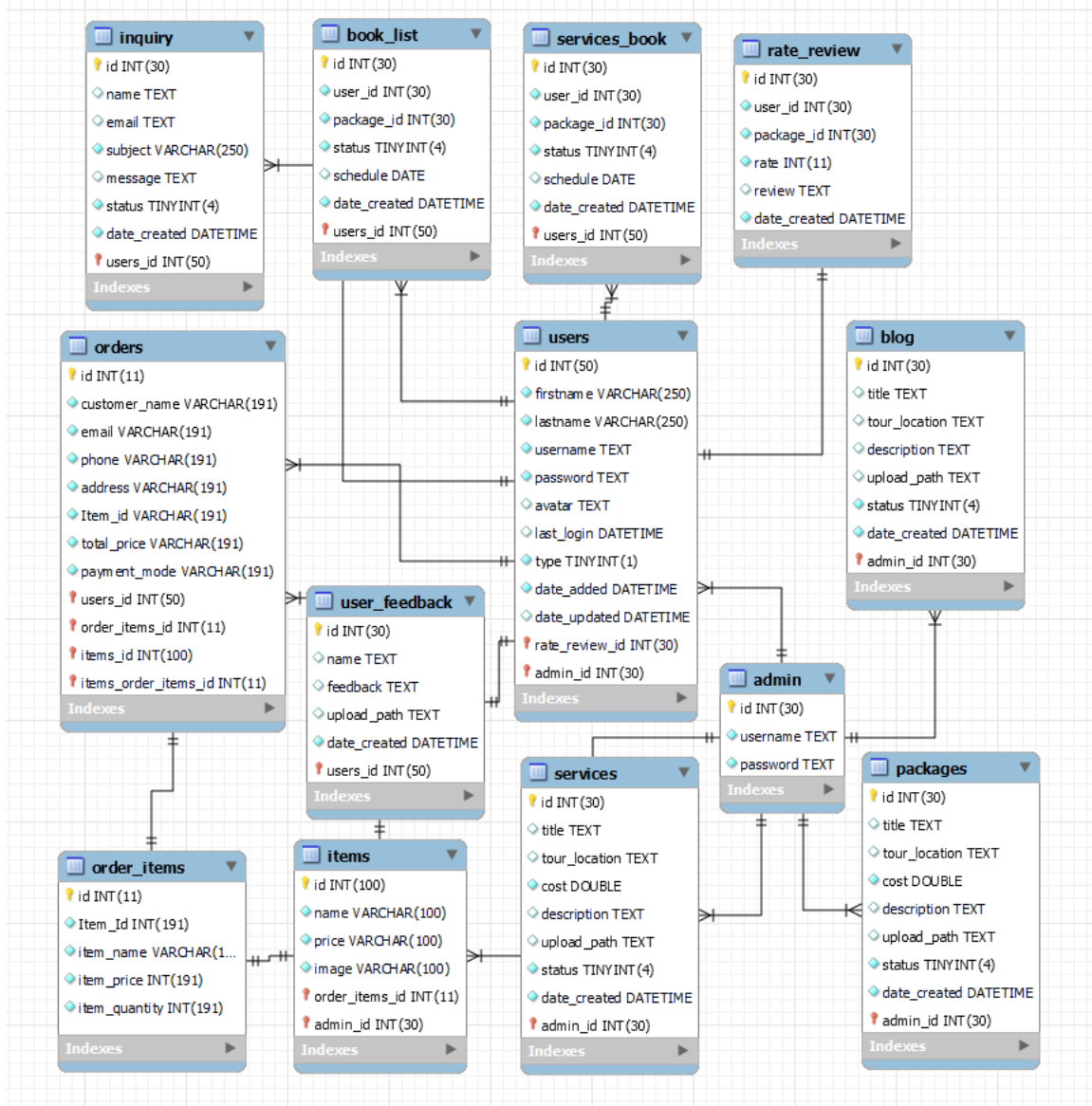


Figure 3.4.1: ER Diagram

According to this diagram, each user has a unique id and they can order multiple products and each product has a unique id. Users also can book multiple packages and services. Admin can create shop products, services, and packages. Admin has the right to confirm or cancel user bookings.

3.5 Design Requirements

Simple and attractive design specifications are very important for a project because it presents the project to the users in an appealing manner.

Efficient: We tried to make it simple and organized. It is also lite so that all users can use it easily.

User-Friendly: Design wise it is an easy-to-use web application.

3.5.1 System Requirements

Hardware:

1. Desktop or Laptop
2. Internet connection

Software:

1. Visual Studio Code
2. Xampp Control Panel
3. Web browser

Languages:

1. HTML
2. CSS
3. PHP
4. Bootstrap
5. JavaScript
6. jQuery
7. MySQL
8. phpMyAdmin
9. some Plugins

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

If we divide a website then we can separate the front-end and back-end. Front-end is mainly the design and visual interface of the website and the back end is the logical part and database. Front-end attracts users and it has to be user-friendly. User experience (UX) and user interface (UI) are the elements that combinedly create the front end of the website. In web development, we usually use HTML, CSS [8], Bootstrap [9], and JavaScript [10] for the front end.

Teamwork has to be there to visualize the website design more beautiful and interactive. If one member structures the website with the help of HTML [8] then another teammate can design the website with the help of CSS or Bootstrap. What you want to present through your website will be shown in the front end so as a result, we have to design and organize our website in a way so that people can easily navigate what they want. Keeping the design simple and minimal is the main key to a better front end. For the design part color combination, fonts, and icons have to justify each other. Alongside designing, we have structured the code in a way so that we can do the back-end part easily.

4.1.1 Home Page Before Login

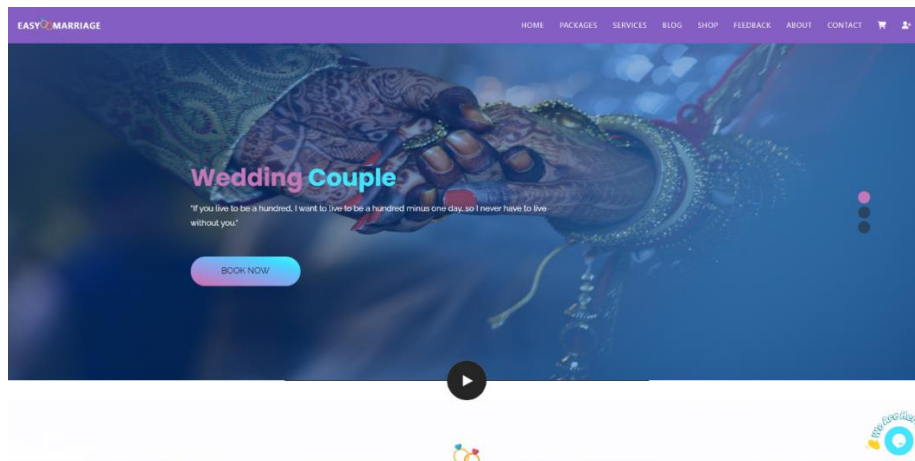


Figure 4.1.1: Home Page Before Login

4.1.2 User Login and Registration Page

This is the entry page where the user can log in to the website by providing a username and password if the user has already registered otherwise the user has to provide the necessary information for registering on our website. without login, they cannot book any services and packages.

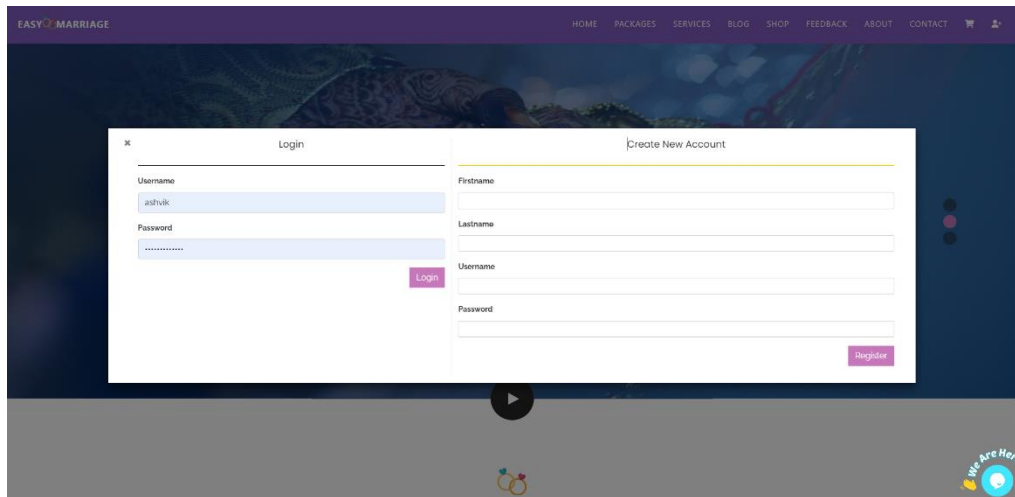


Figure 4.1.2: Log-in and Registration

4.1.3 Home Page After Login

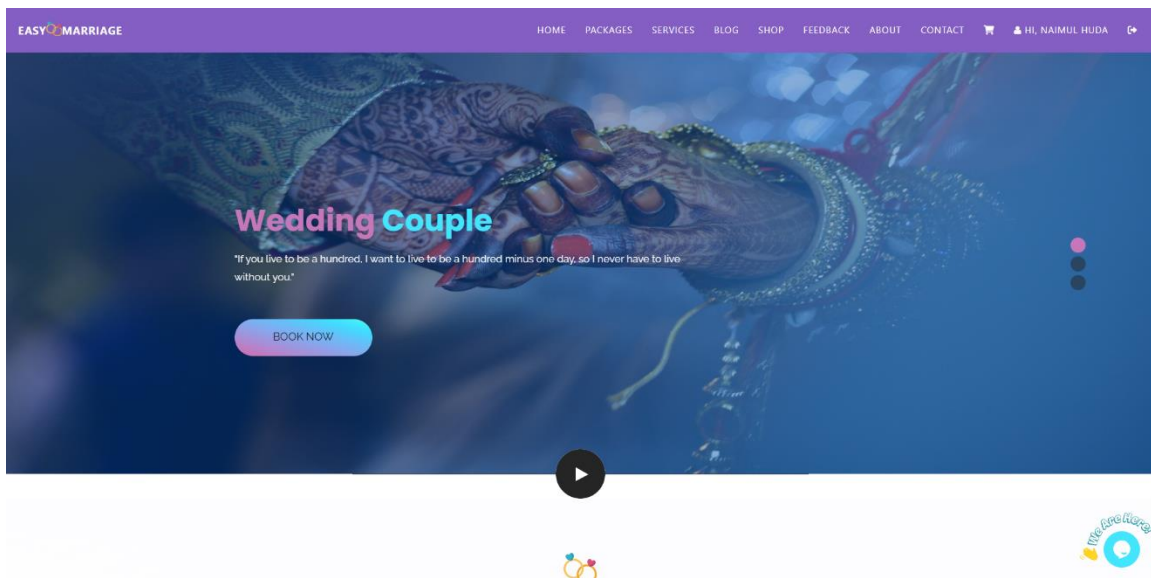


Figure 4.1.3: Home Page After Login

4.1.4 Play Video

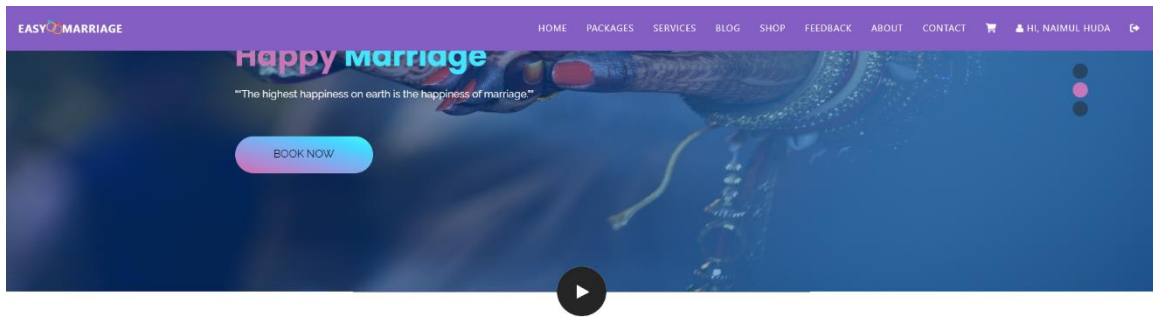


Figure 4.1.4: Video Play Button

4.1.5 Features Section

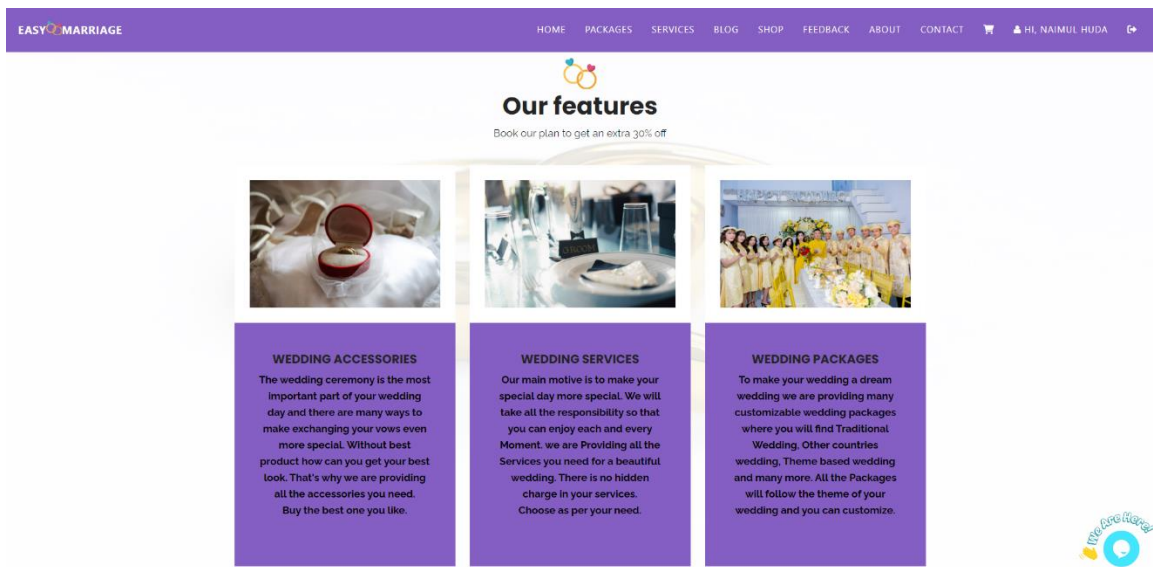


Figure 4.1.5: Features we Provide

4.1.6 Meet Our Team

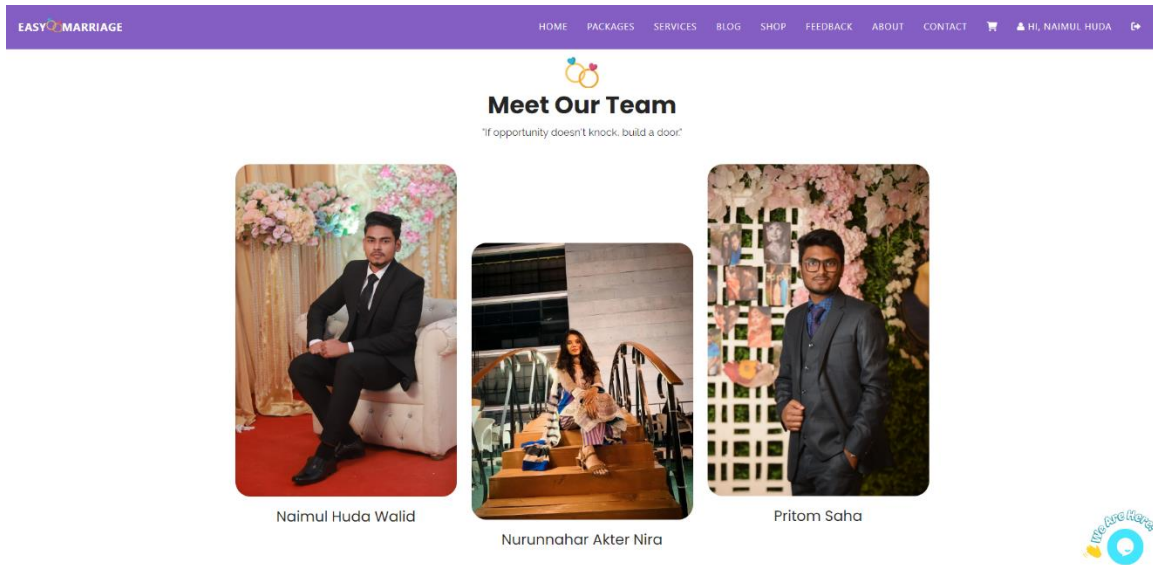


Figure 4.1.6: Teammates

4.1.7 About Our Company

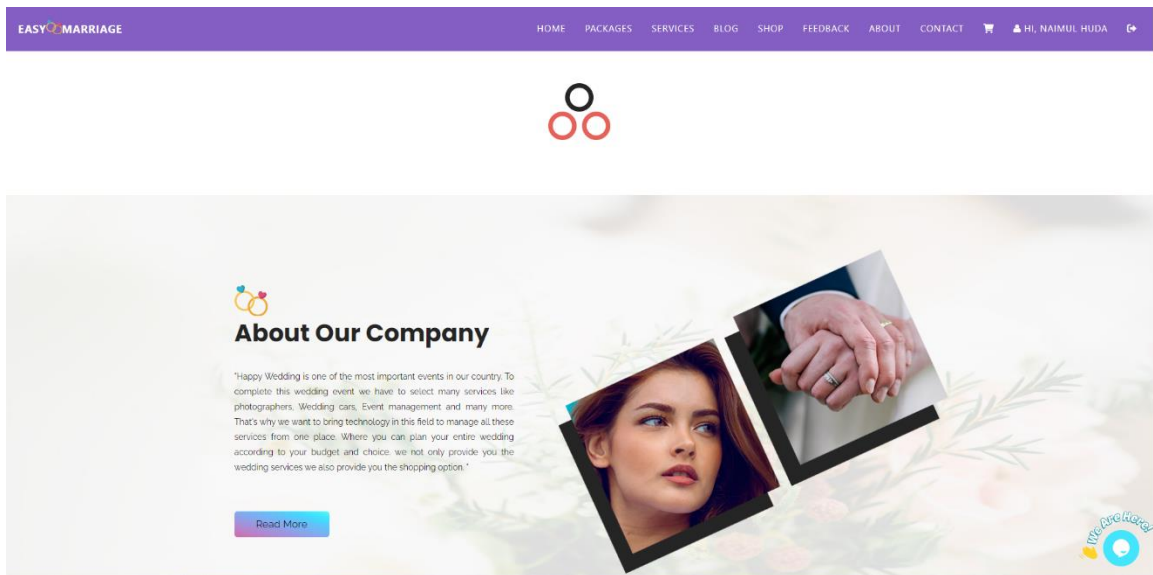


Figure 4.1.7: About Our Company

4.1.8 Clients Feedback View

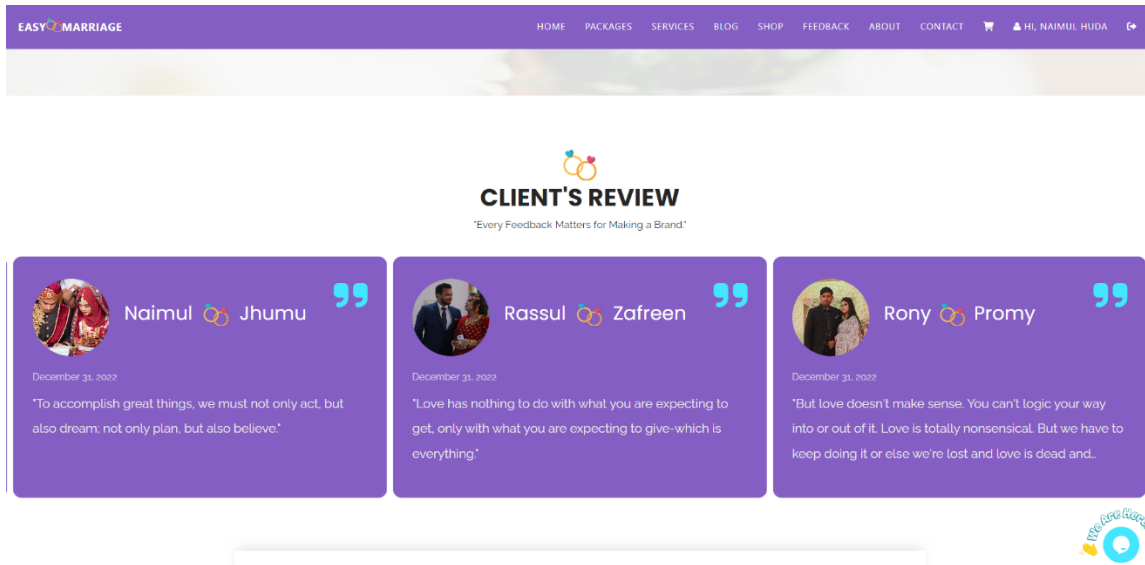


Figure 4.1.8: Feedback View

4.1.9 Contact Us

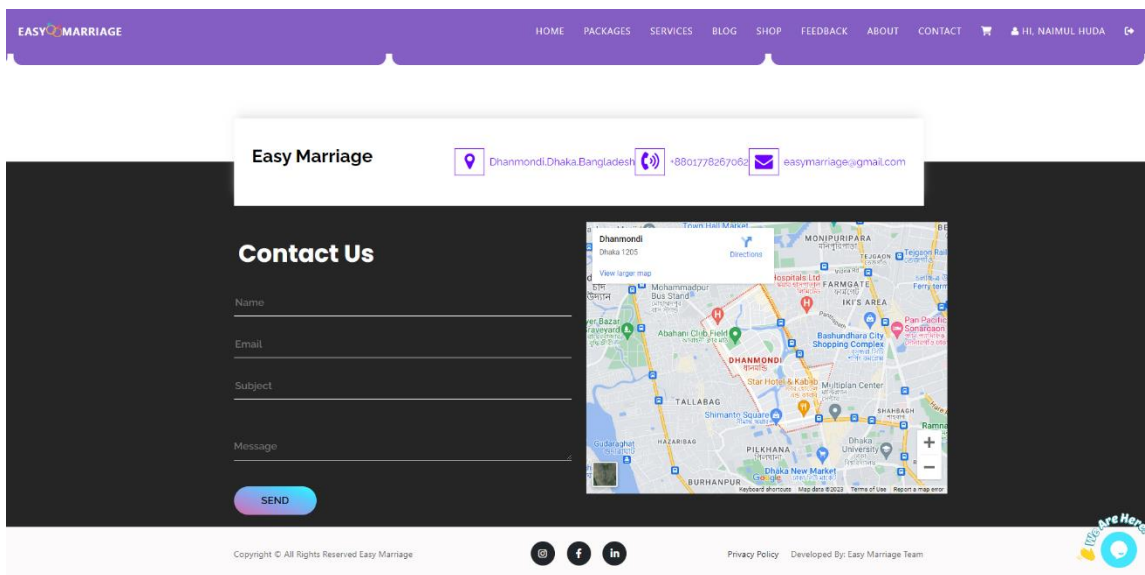


Figure 4.1.9: Contact Us Form

4.1.10 Live Chat

We integrate live chat features by the help of a website name tawk.to [11]

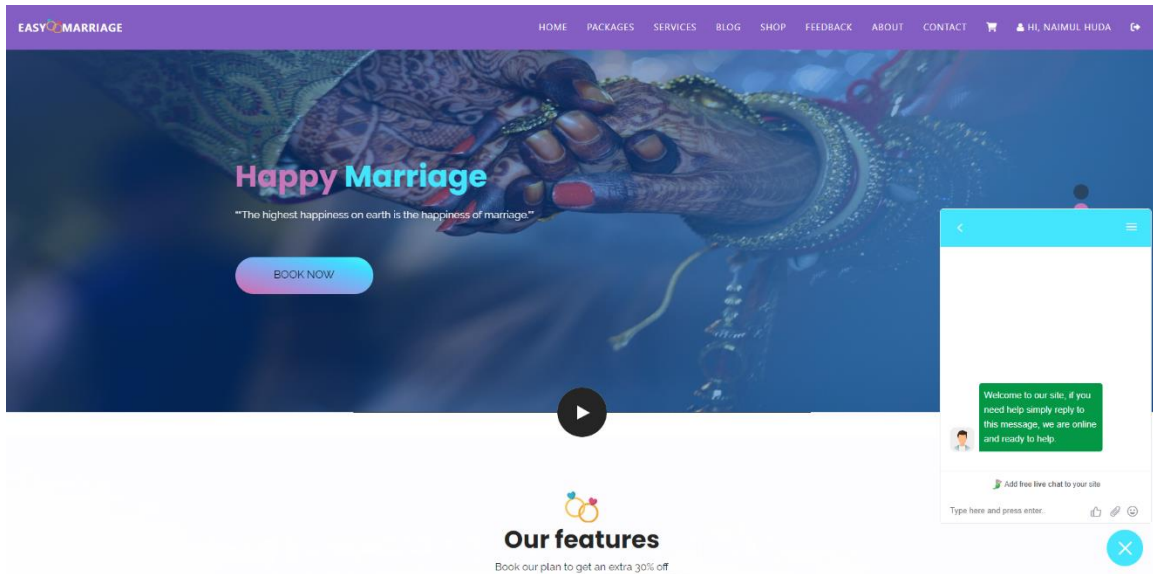


Figure 4.1.10: Live Chat

4.1.11 View All Packages

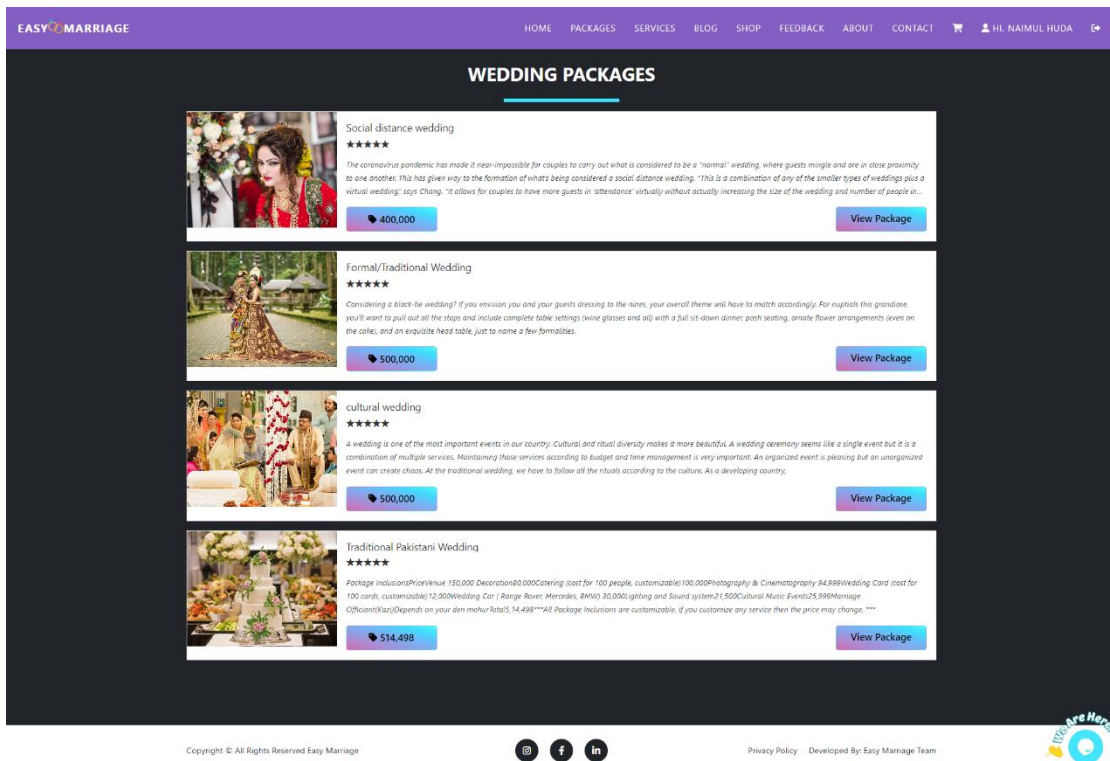


Figure 4.1.11: View Packages Lists

4.1.12 View Packages Details

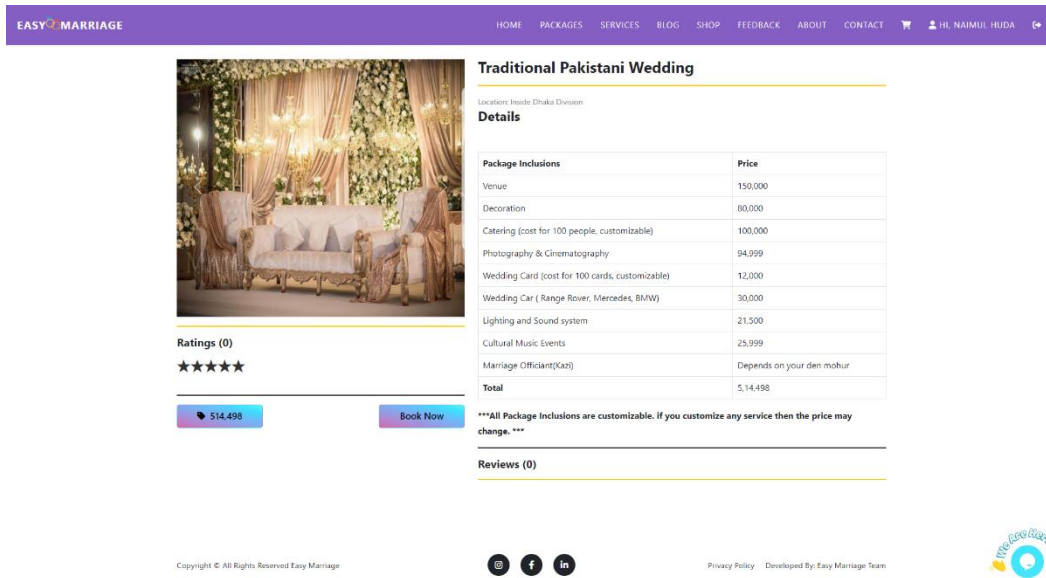


Figure 4.1.12: View Packages Details

4.1.13 Book Packages

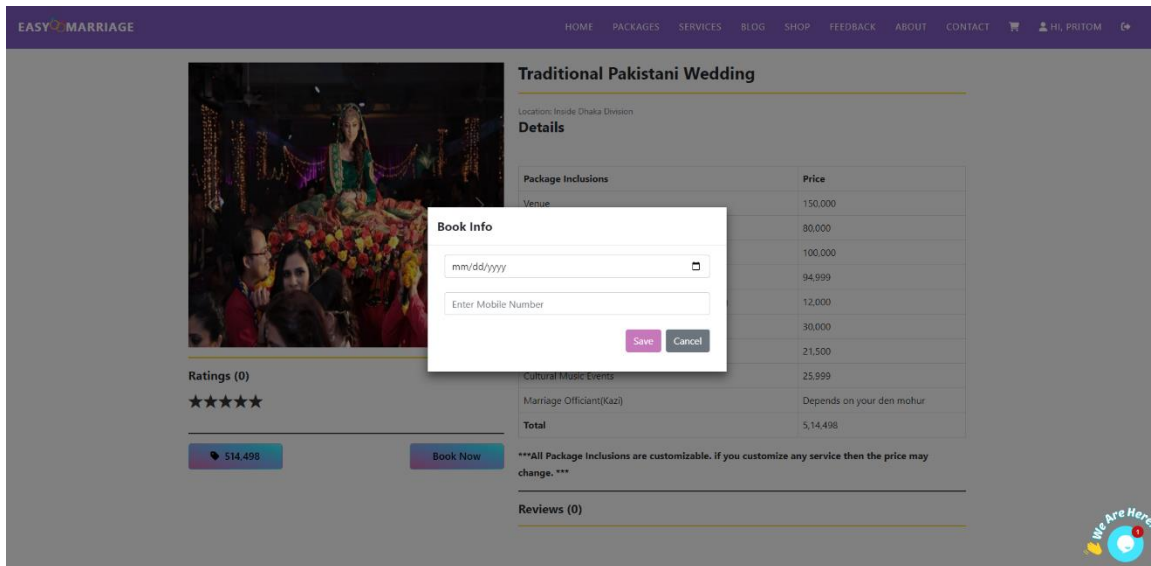


Figure 4.1.13: Book Packages

4.1.14 View All Services

EASY MARRIAGE

HOME PACKAGES SERVICES BLOG SHOP FEEDBACK ABOUT CONTACT

Hi, NAIMUL HUDA

OUR BEST SERVICES

Catering 02
[View Services](#)

Wedding Car Rentals (Luxury)
[View Services](#)

Catering 01
[View Services](#)

Wedding Card
[View Services](#)

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Instagram Facebook LinkedIn

Privacy Policy Developed By: Easy Marriage Team

They Are Here

Figure 4.1.14: View Services Lists

4.1.15 View Services Details

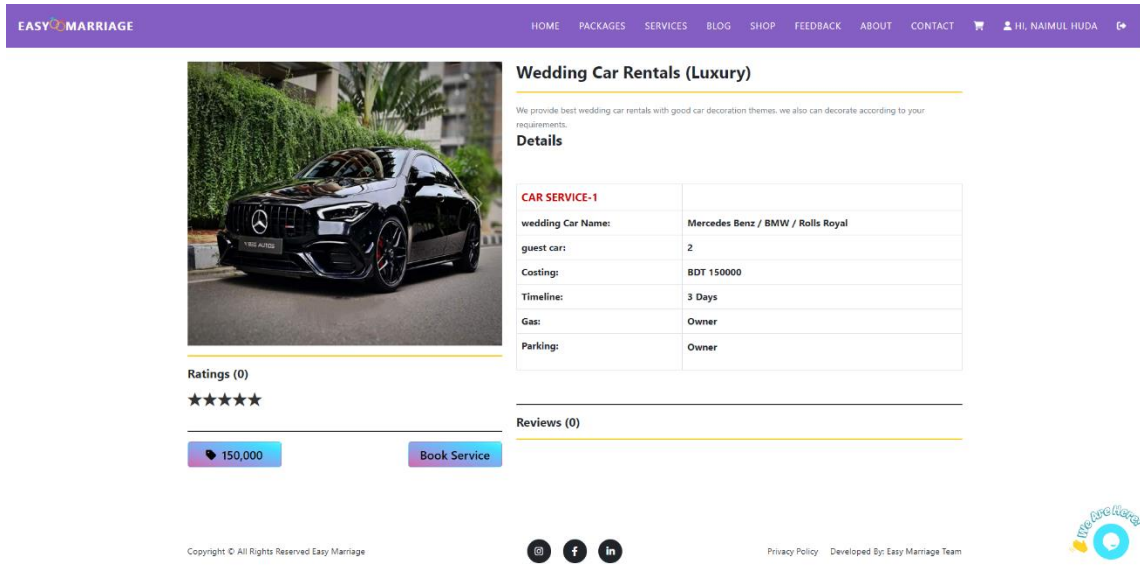


Figure 4.1.15: View Services Details

4.1.16 Book Services

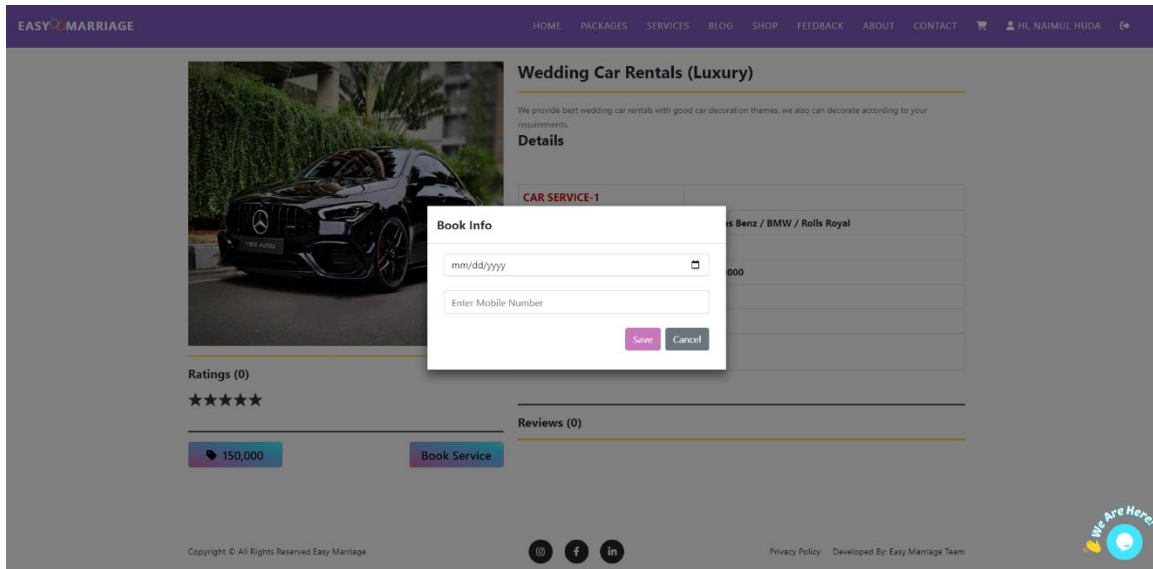


Figure 4.1.16: Book Services

4.1.17 View Blog Post

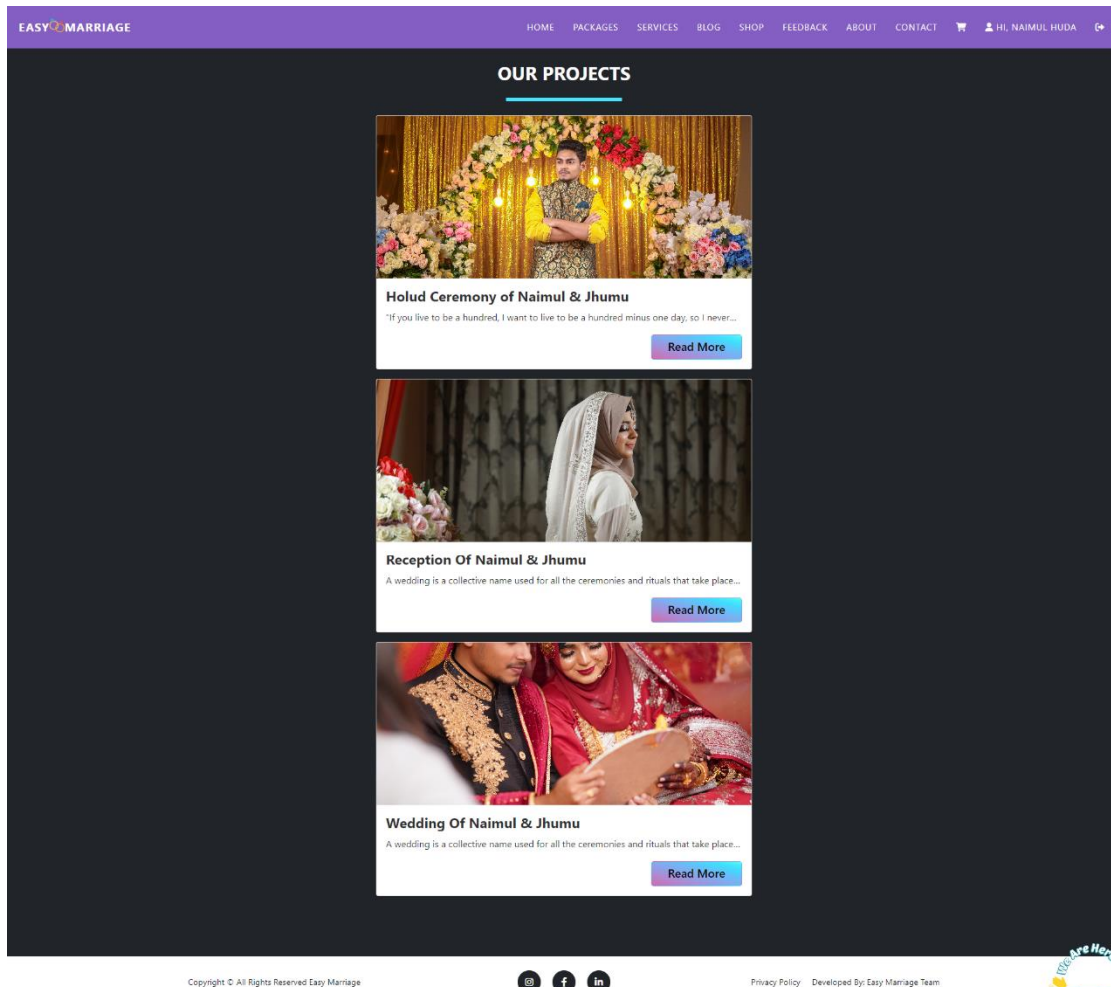


Figure 4.1.17: Blog Lists

4.1.18 View Blog Details

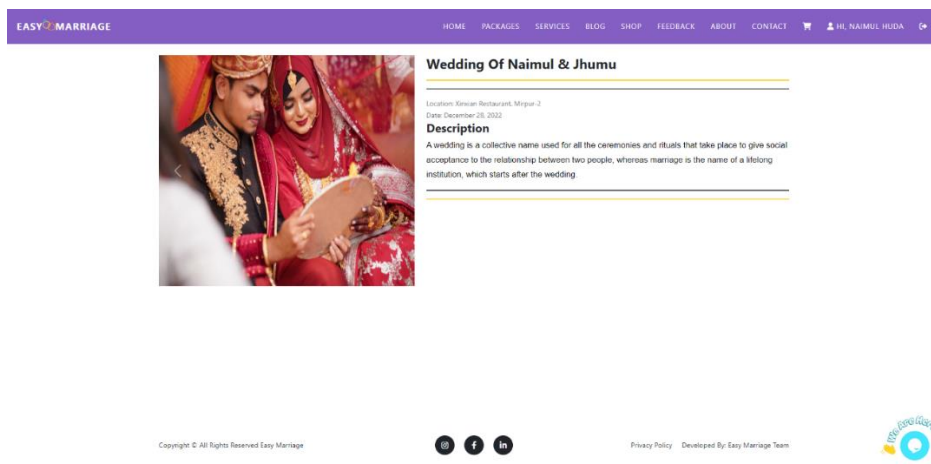


Figure 4.1.18: View Blog Details

4.1.19 View Shop Products

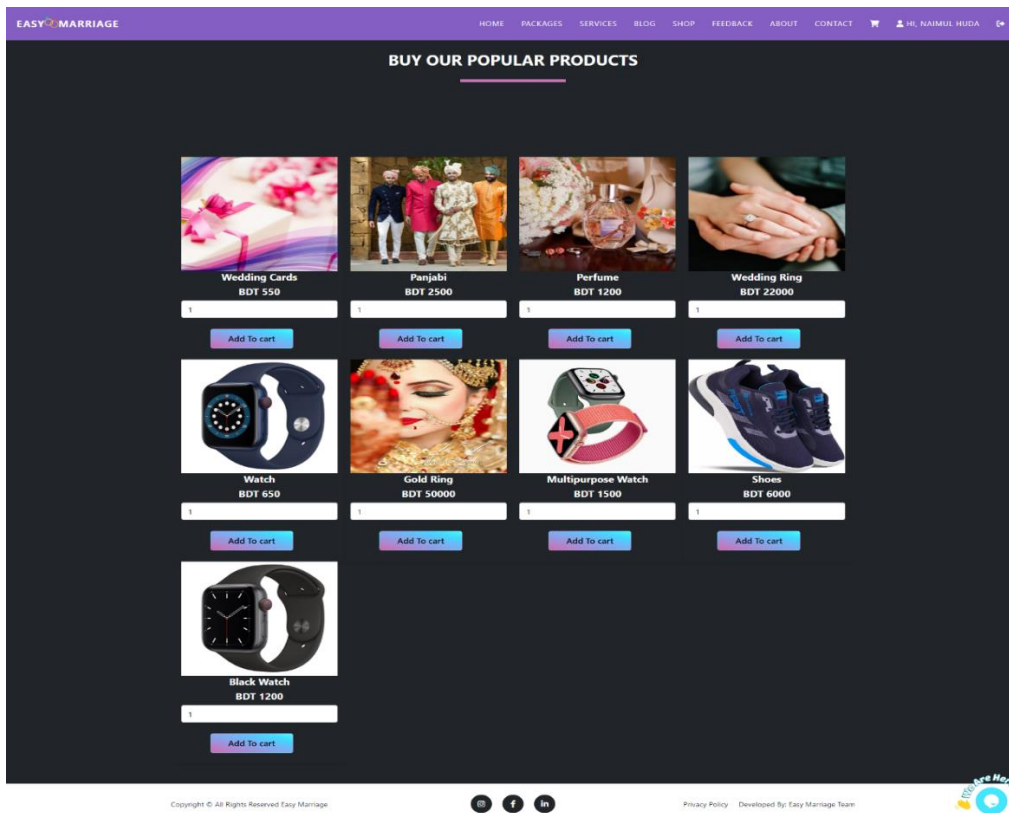


Figure 4.1.19: View Products

4.1.20 View Added product in Cart

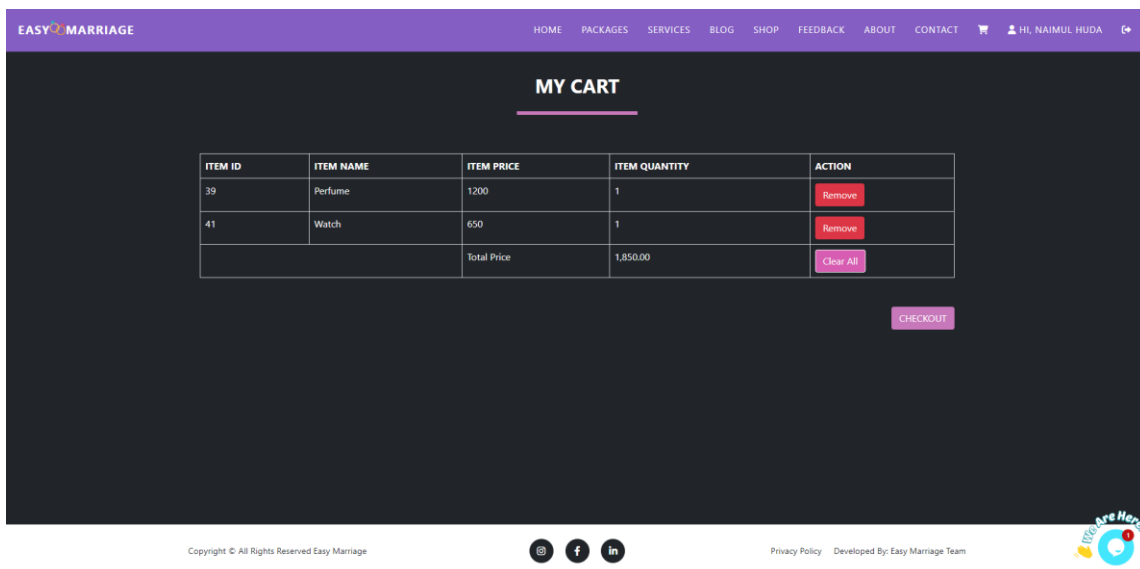


Figure 4.1.20: Product Cart

4.1.21 Checkout Form

EASY MARRIAGE HOME PACKAGES SERVICES BLOG SHOP FEEDBACK ABOUT CONTACT HI, NAIMUL HUDA

Checkout Form

ITEM ID	ITEM NAME	ITEM PRICE	ITEM QUANTITY
39	Perfume	1200	1
41	Watch	650	1
Total Price			1,850.00

Enter Your Name: Ashvik Trehan
Enter Your Phone: 017*****
Enter Your Email: trehan@gmail.com
Enter Your Address: Dhanmondi, Dhaka, Bangladesh
Enter Item ID: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Enter Total Price:
Payment Method: Cash On Delivery
ORDER NOW

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Figure 4.1.21: Checkout Form

4.1.22 Feedback Submission Form

EASY MARRIAGE HOME PACKAGES SERVICES BLOG SHOP FEEDBACK ABOUT CONTACT HI, NAIMUL HUDA

Your Opinion

Husband Name: Naimul
Wife Name: Jhuma

Feedback: Your Opinion...

Images: Choose file | Browse

Send Feedback

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Figure 4.1.22: Feedback Submission Form

4.1.23 View Booking List in Profile

EASY MARRIAGE HOME PACKAGES SERVICES BLOG SHOP FEEDBACK ABOUT CONTACT HI, NAIMUL HUDA

Booked Packages

Show 10 entries Search:

#	DateTime	Package	Schedule	Status
1	2022-12-25 17:56	Formal/Traditional Wedding	2022-12-25	Done

Showing 1 to 1 of 1 entries Previous Next

Booked Services

Show 10 entries Search:

#	DateTime	Package	Schedule	Status
1	2022-12-26 21:41	Wedding Car Rentals (Luxury)	2022-12-29	Pending
2	2022-12-25 21:30	Wedding Car Rentals (Luxury)	2022-12-27	Done
3	2022-12-25 22:19	Catering 01	2022-12-26	Cancelled

Showing 1 to 3 of 3 entries Previous Next

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Figure 4.1.23: View Booking Status

4.1.24 Update User Account

EASY MARRIAGE HOME PACKAGES SERVICES BLOG SHOP FEEDBACK ABOUT CONTACT HI, NAIMUL HUDA

Update Account Details

← Back to Booking List

Firstname
naimul huda

Lastname
walid

Username
ashvik

New Password

Current Password
(Enter value to change password)

Update

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Figure 4.1.24: Update User Account

4.1.25 Admin Login

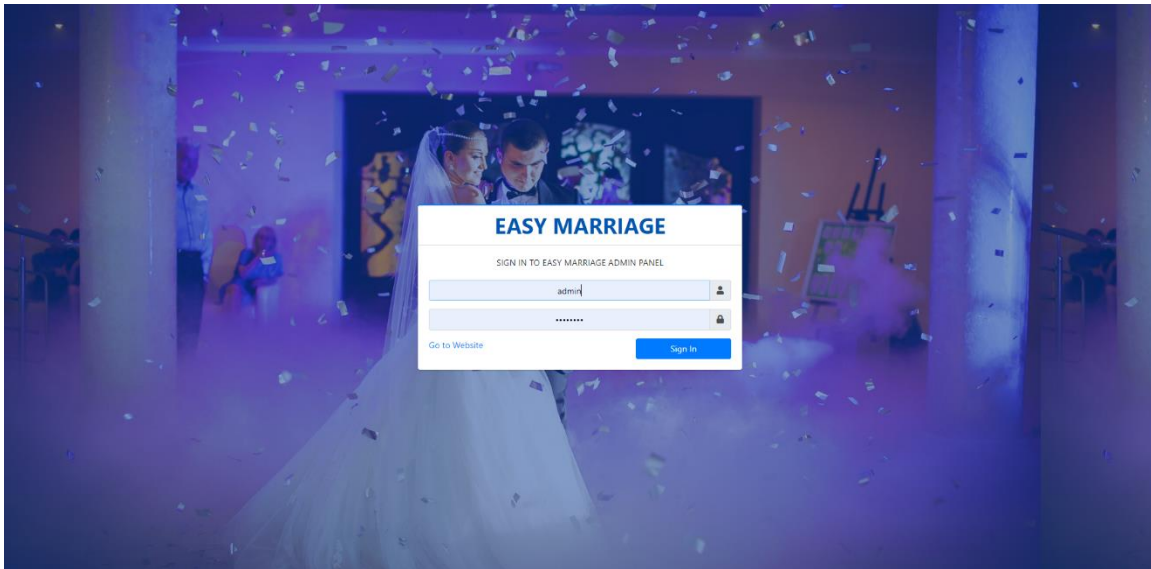


Figure 4.1.25: Admin Login

4.1.26 Admin Dashboard

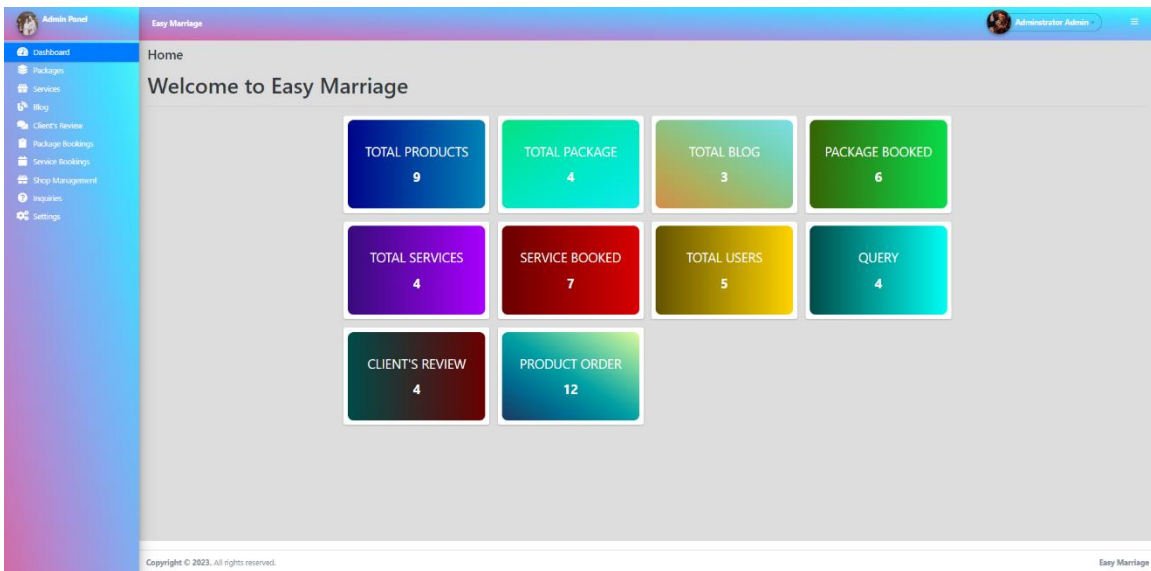


Figure 4.1.26: Admin Dashboard

4.1.27 Admin Profile View and Log out

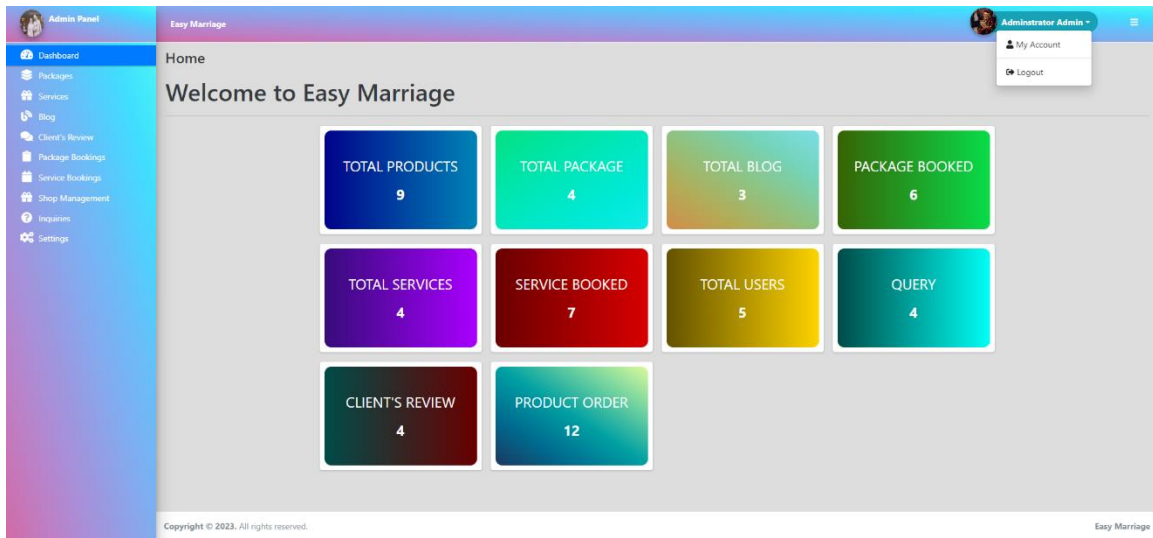


Figure 4.1.27 : Admin Account and Logout

4.1.28 Admin Can View Packages

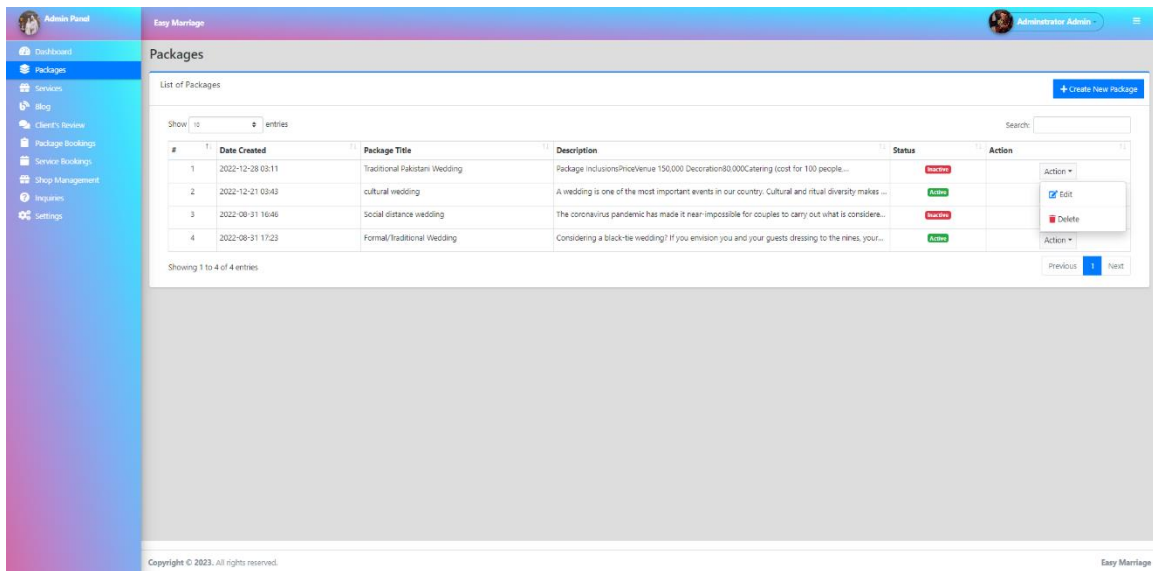


Figure 4.1.28: admin view Packages list

4.1.29 Admin Can Create Packages

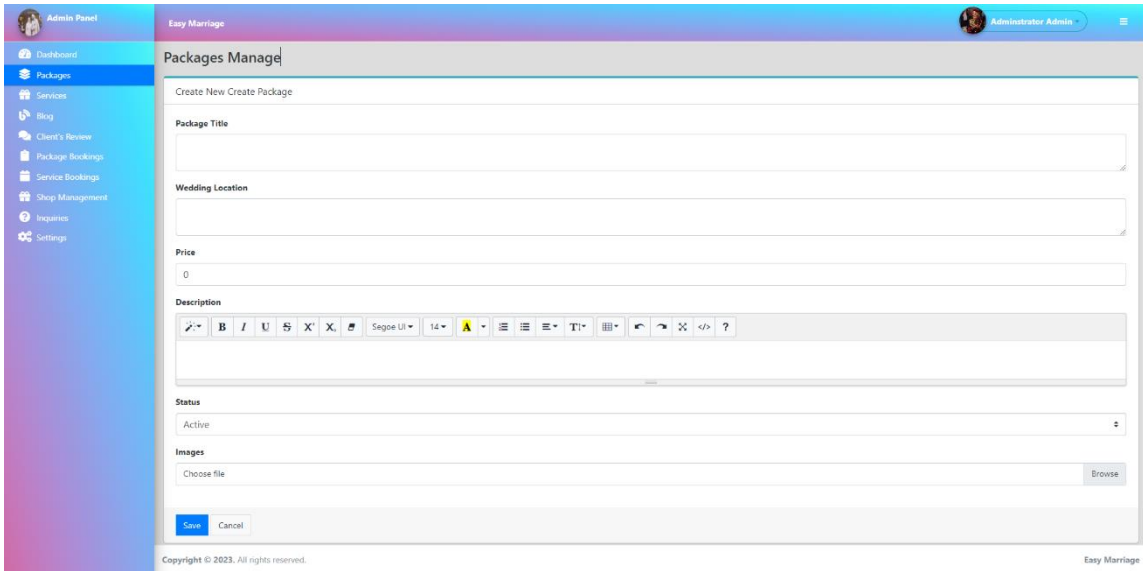


Figure 4.1.29: Package Created by Admin

4.1.30 Admin Can Edit Packages

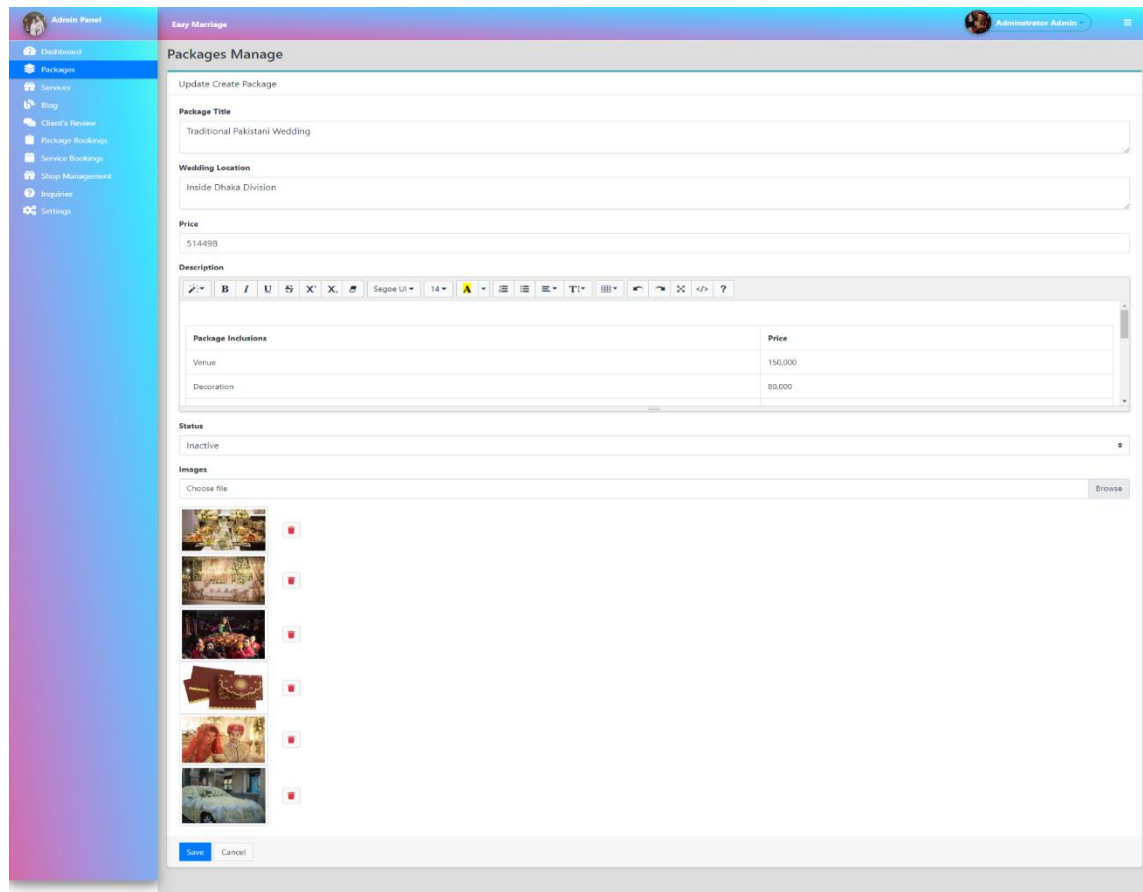


Figure 4.1.30: Edit and Update Packages

4.1.31 Admin Can View Blogs

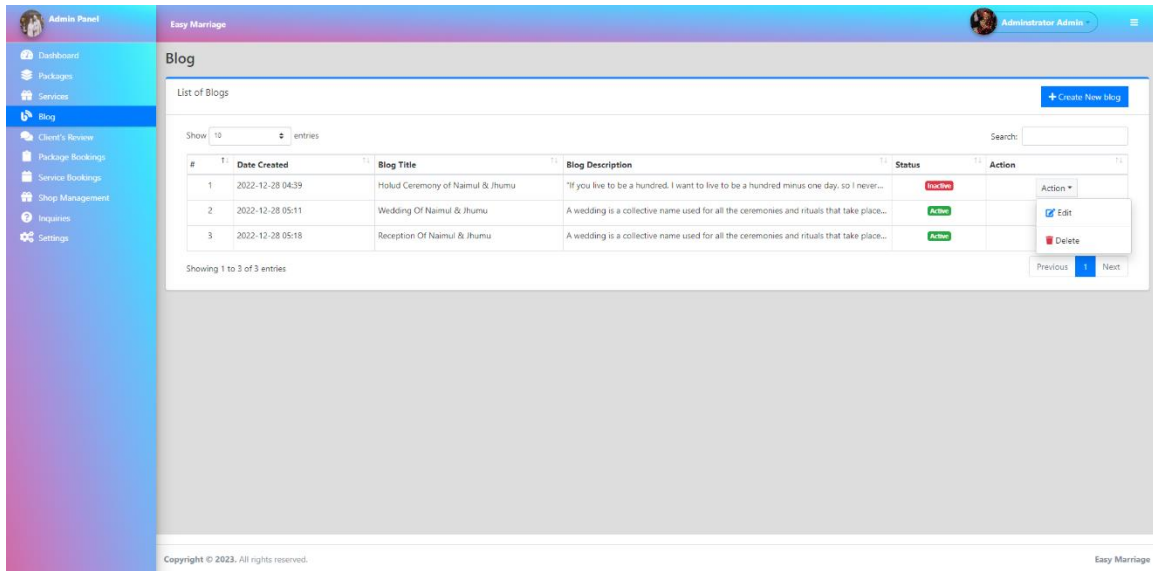


Figure 4.1.31: Admin View Blog Lists

4.1.32 Admin Can Create Blogs

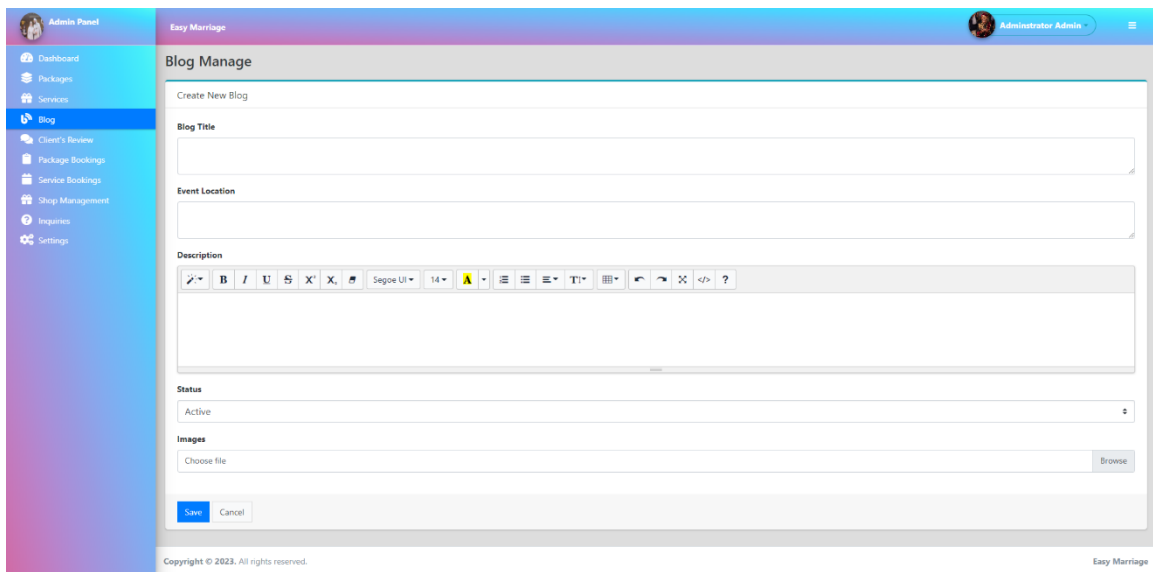


Figure 4.1.32: Blog Created by Admin

4.1.33 Admin Can Edit Blogs

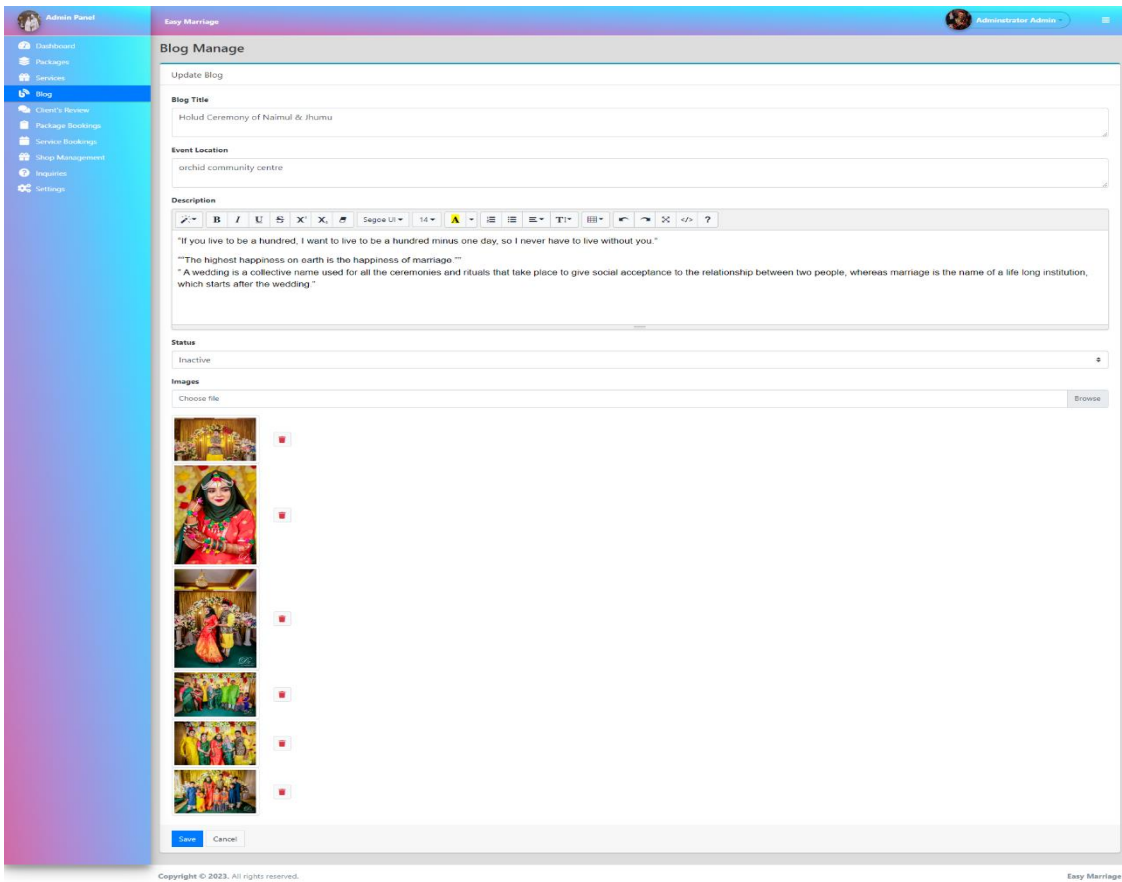


Figure 4.1.33: Edit and Update Blog

4.1.34 Admin Can View services

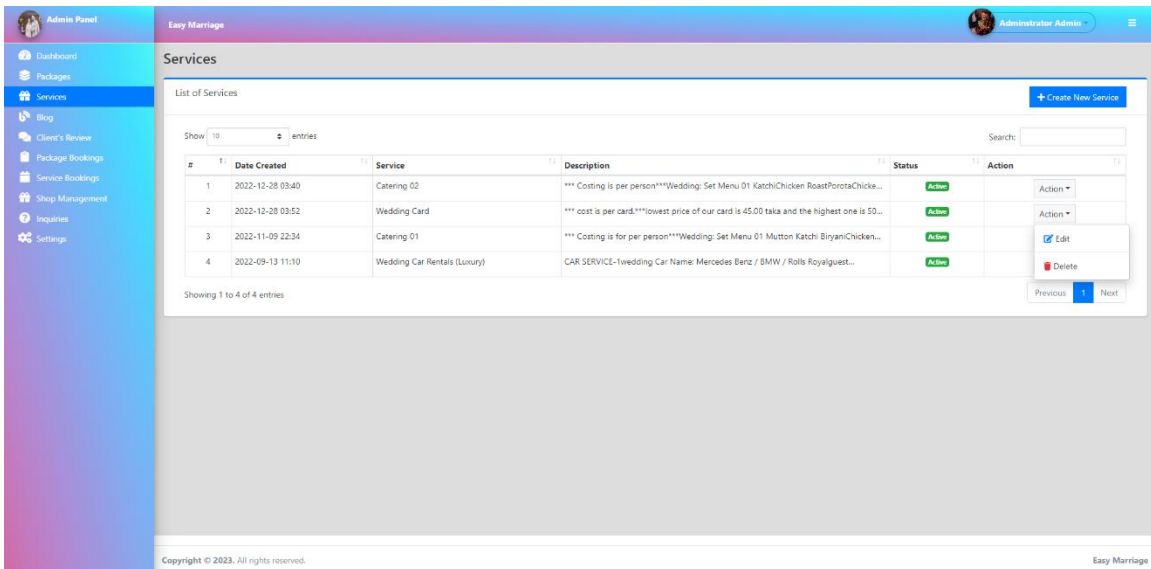


Figure 4.1.34: Admin View Services List

4.1.35 Admin Can Create services

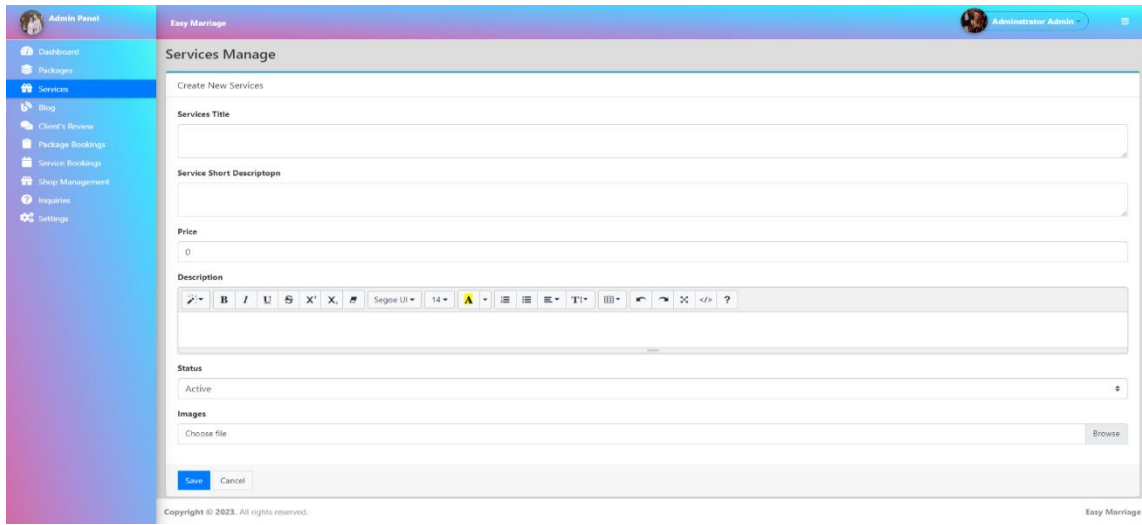


Figure 4.1.35: Service Created by Admin

4.1.36 Admin Can Edit services

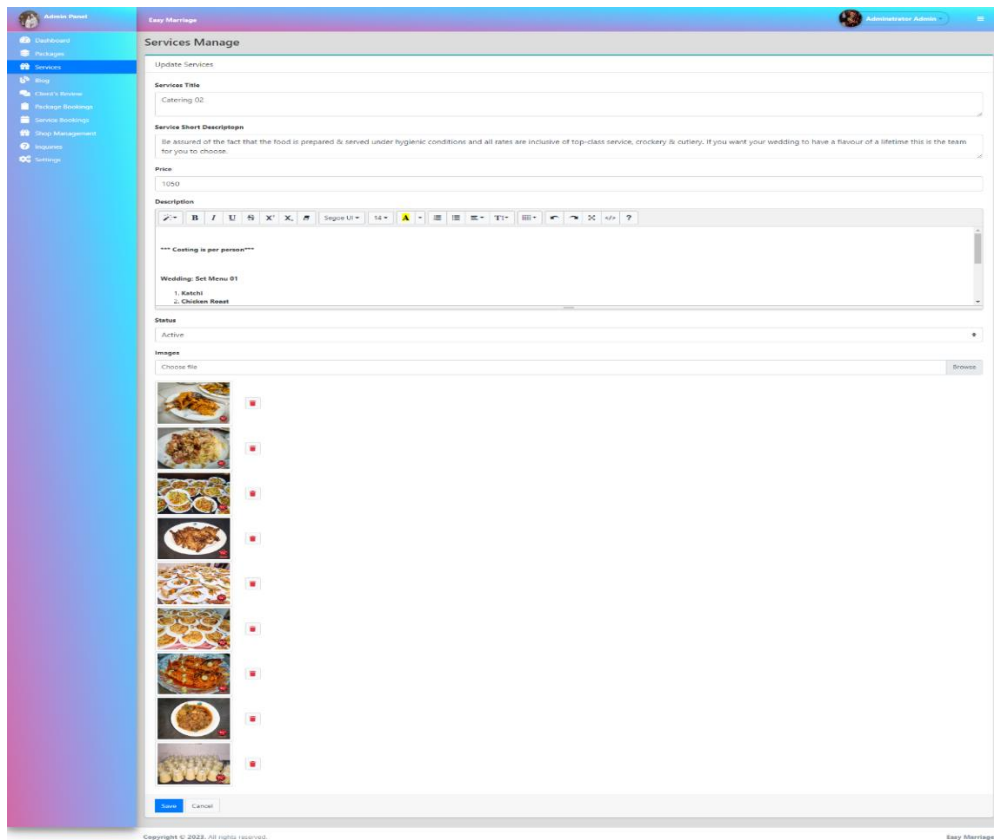


Figure 4.1.36: Edit and Update Services

4.1.37 Admin Can view Package Bookings List

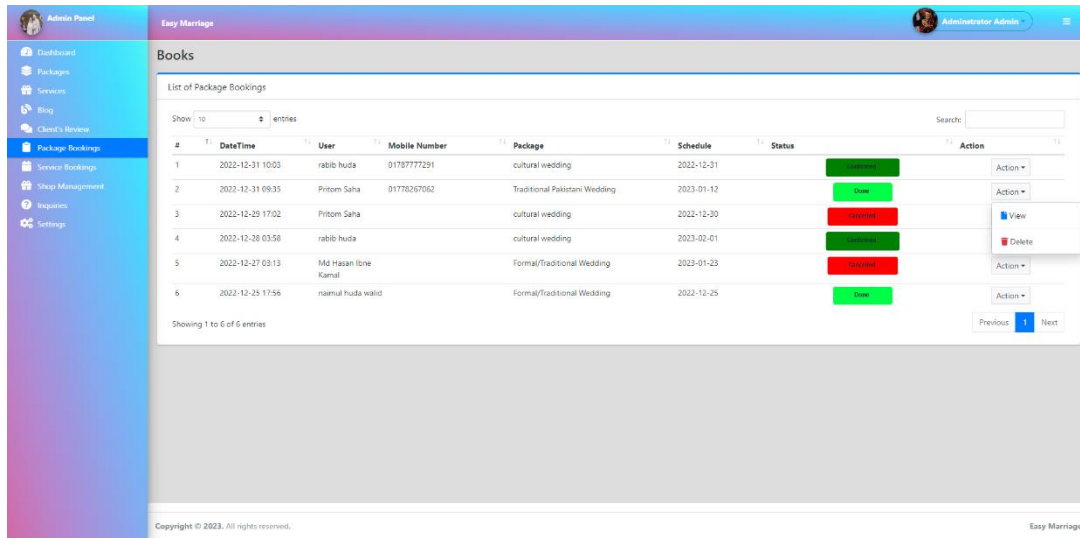


Figure 4.1.37: Package Booking List

4.1.38 Admin Can Change Package Bookings Status

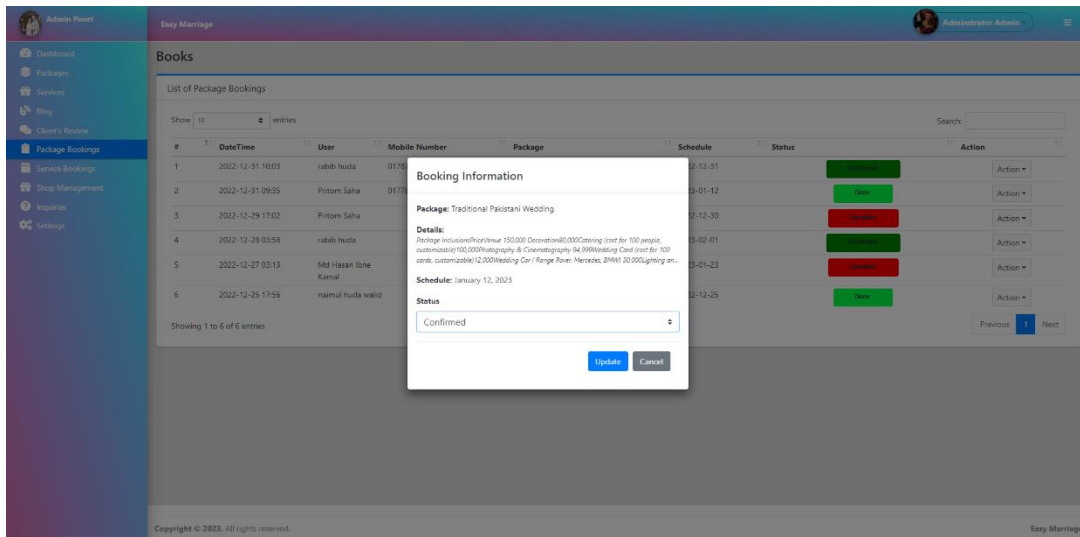


Figure 4.1.38: Package Booking Status Change

4.1.39 Admin Can view Service Bookings List

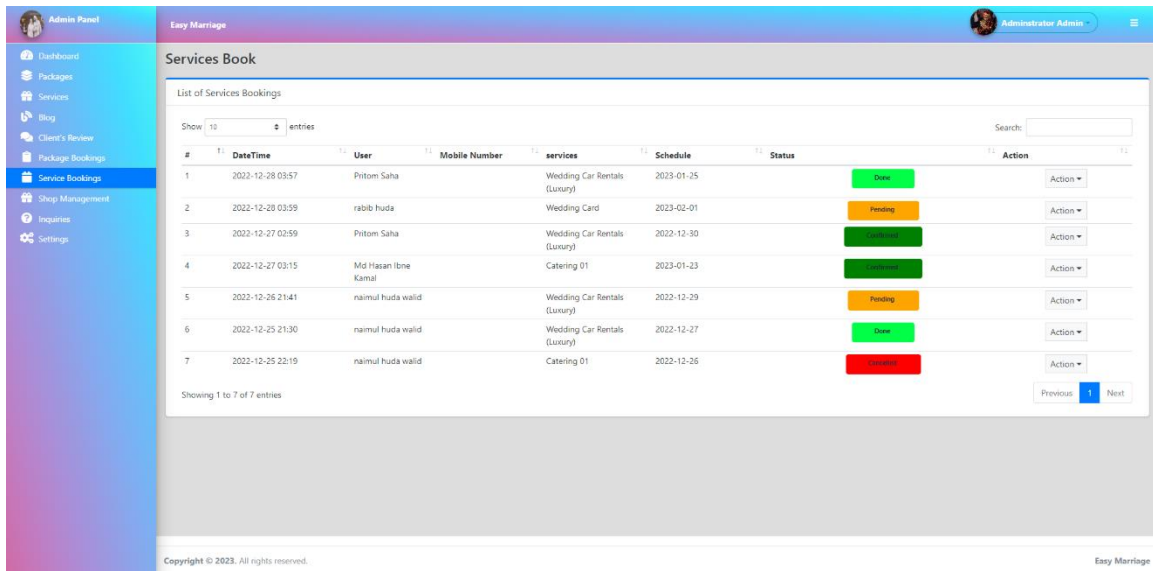


Figure 4.1.39: Service Booking List

4.1.40 Admin Can Change Service Bookings Status

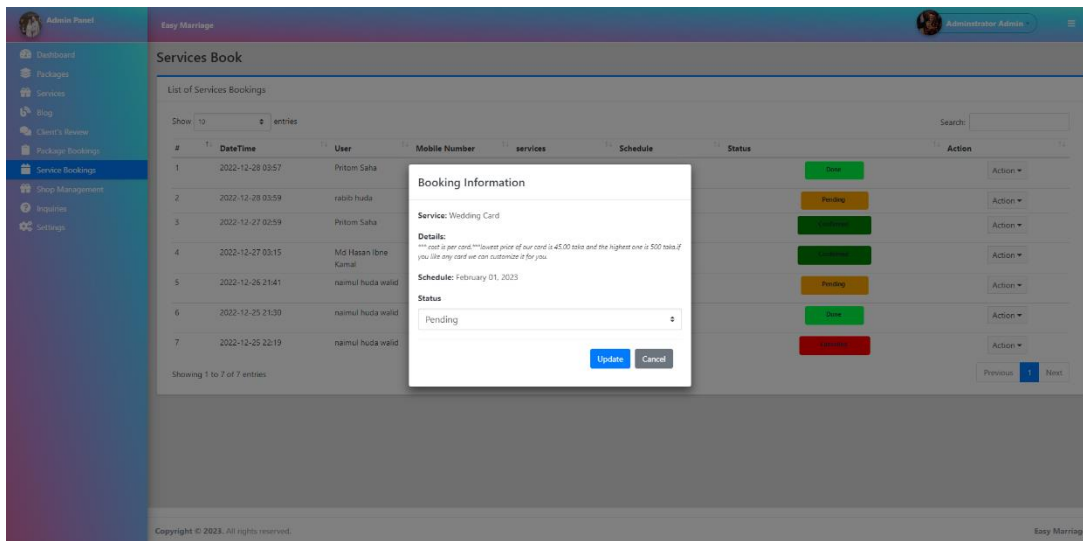


Figure 4.1.40: Service Booking Status Change

4.1.41 Admin Can View Inquiries List

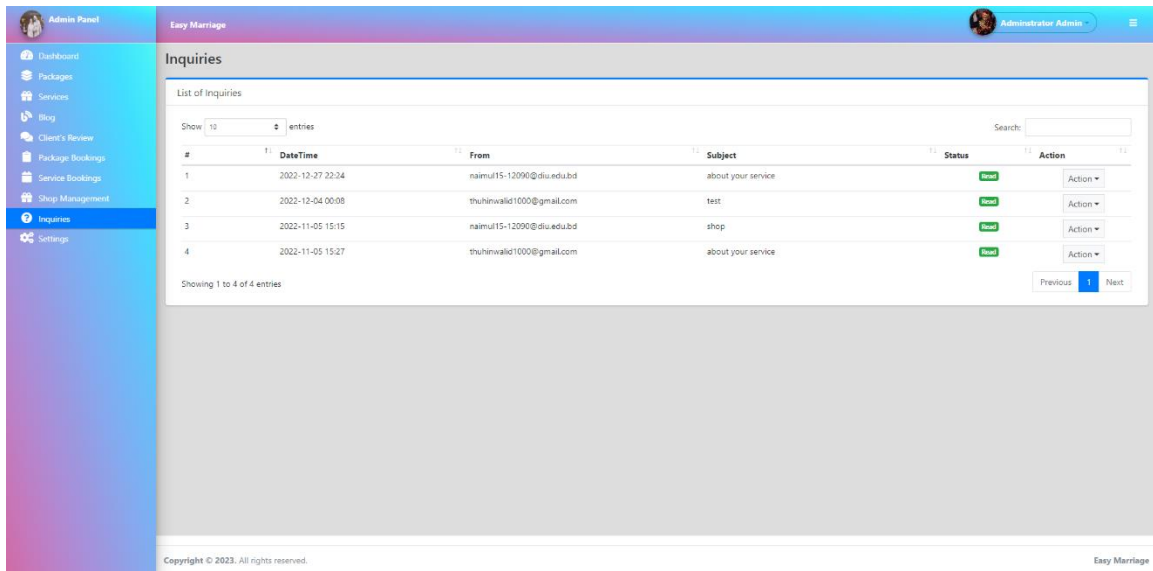


Figure 4.1.41: Inquiries List View

4.1.42 Admin Can Read Inquiries Message

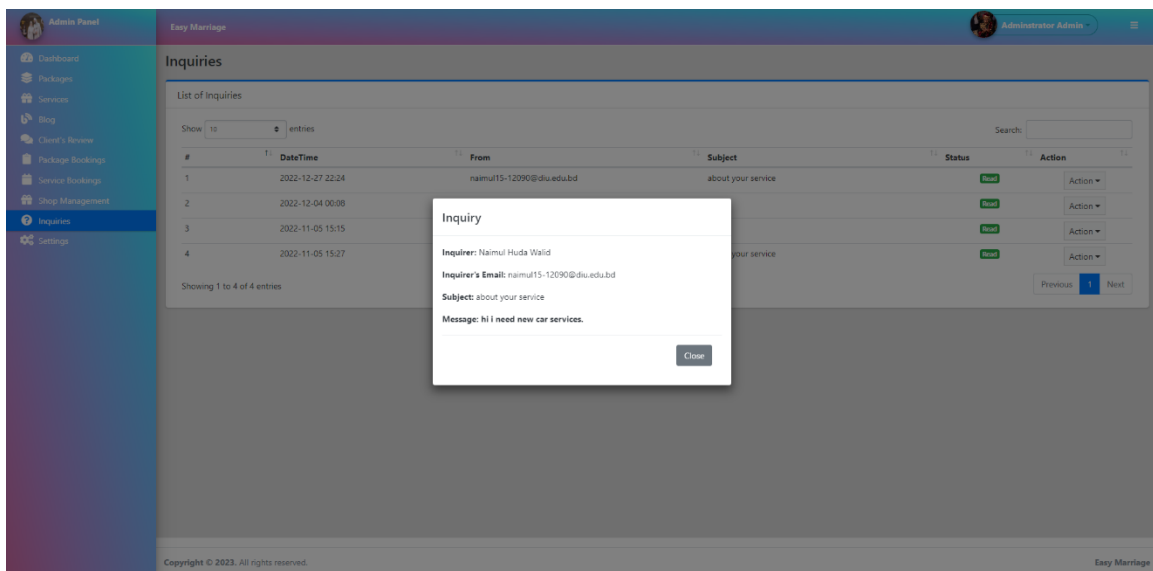


Figure 4.1.42: Inquiries Message View

4.1.43 Admin Can Change System Information

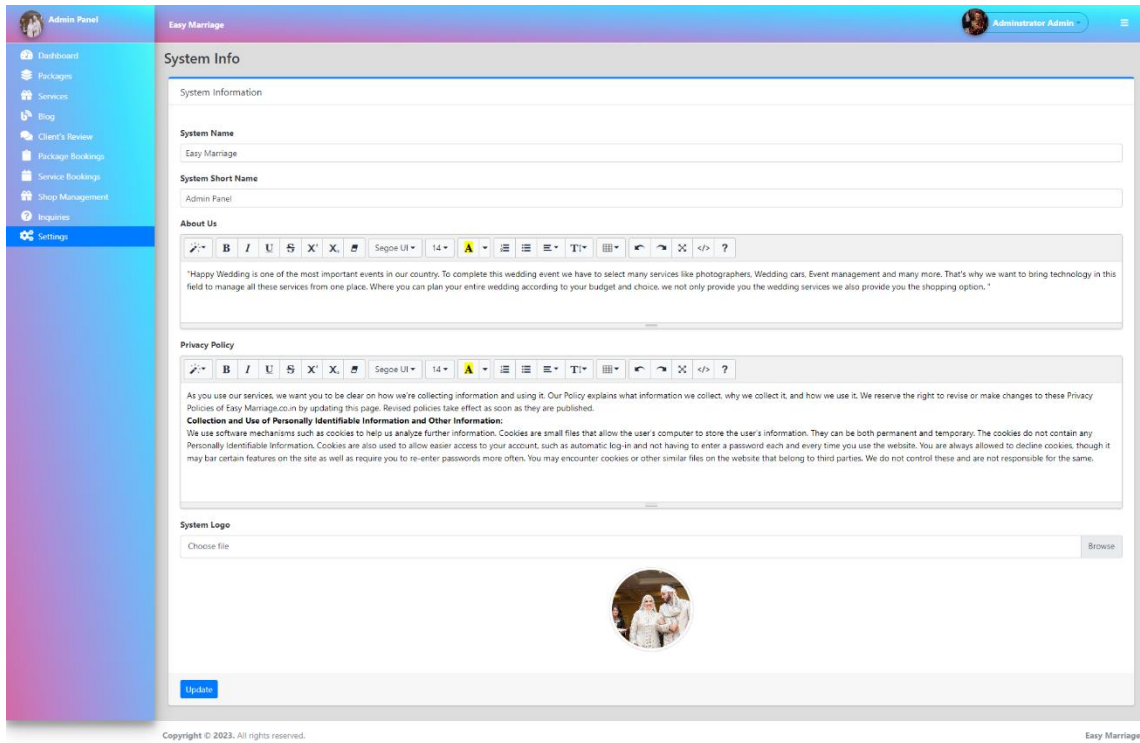


Figure 4.1.43: Admin Can Change Logo, Name and System Information

4.1.44 Admin Can Update Own Profile

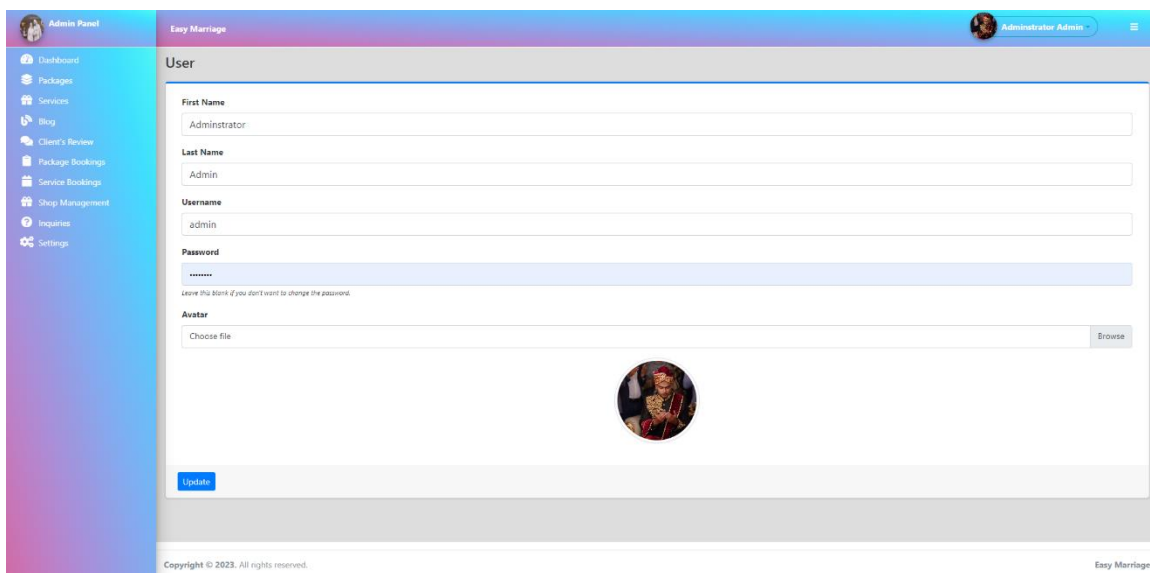


Figure 4.1.44: Admin Profile Update

4.1.45 Admin Can View and Delete Shop Product

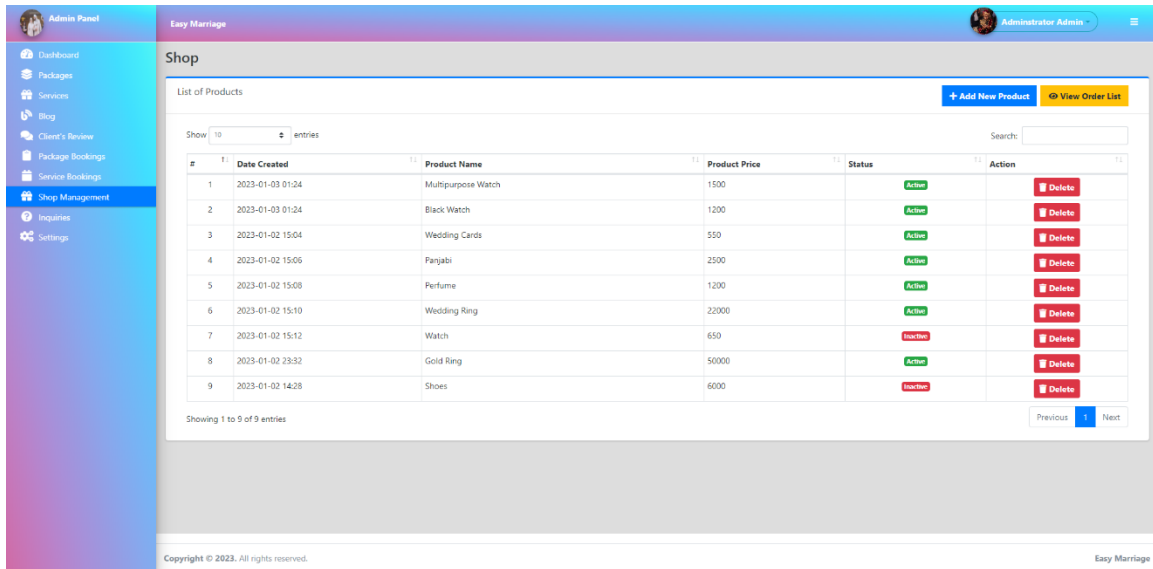


Figure 4.1.45: View and Delete Shop Product

4.1.46 Admin Can Add Shop Products

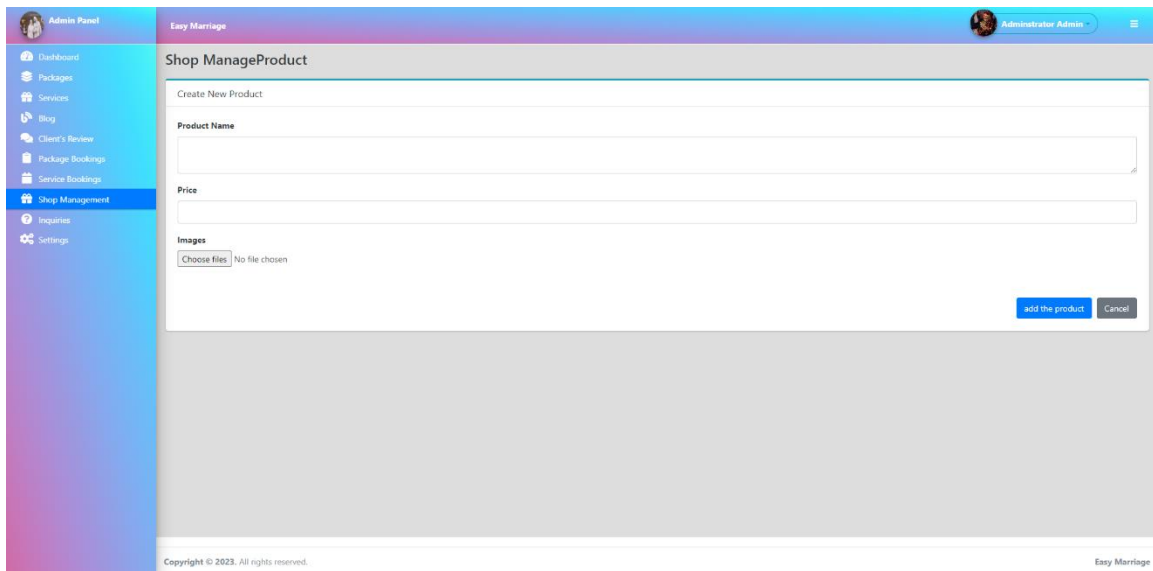


Figure 4.1.46: Add Product in Shop

4.1.47 Admin Can View and Delete Order List

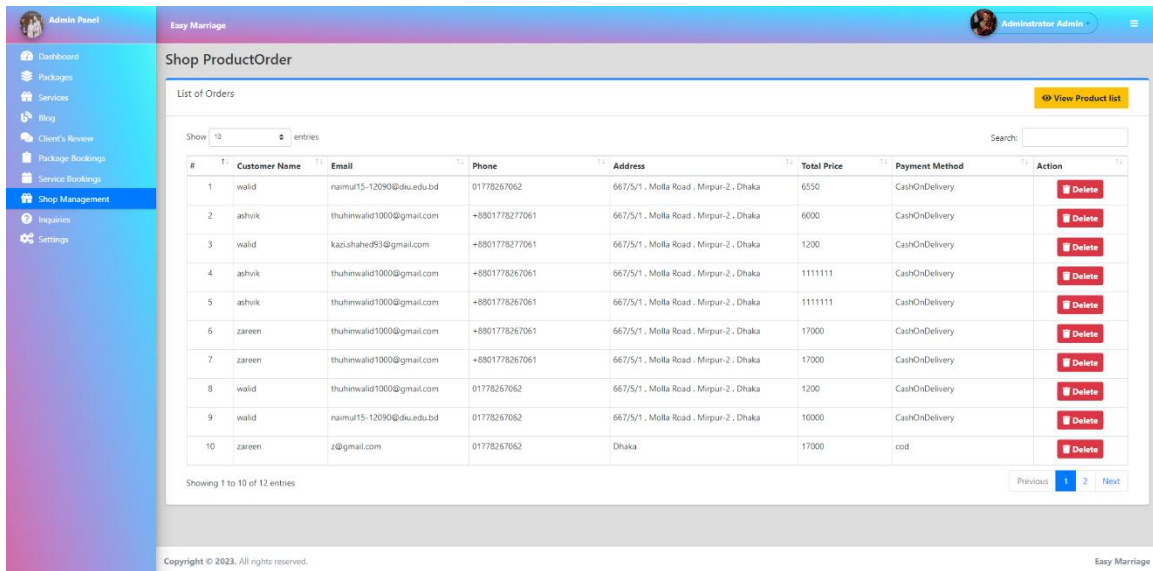


Figure 4.1.47: View and Delete Order List

4.1.48 Admin Can View and Delete Client's Review

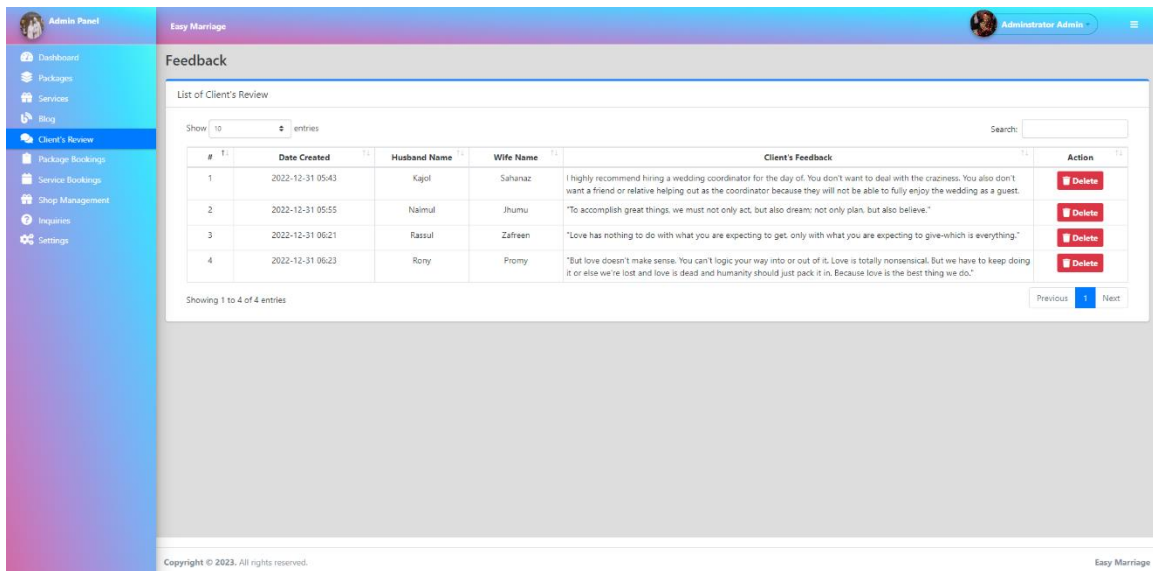


Figure 4.1.48: View and Delete Client's Review

4.1.49 Responsive in Mobile Devices

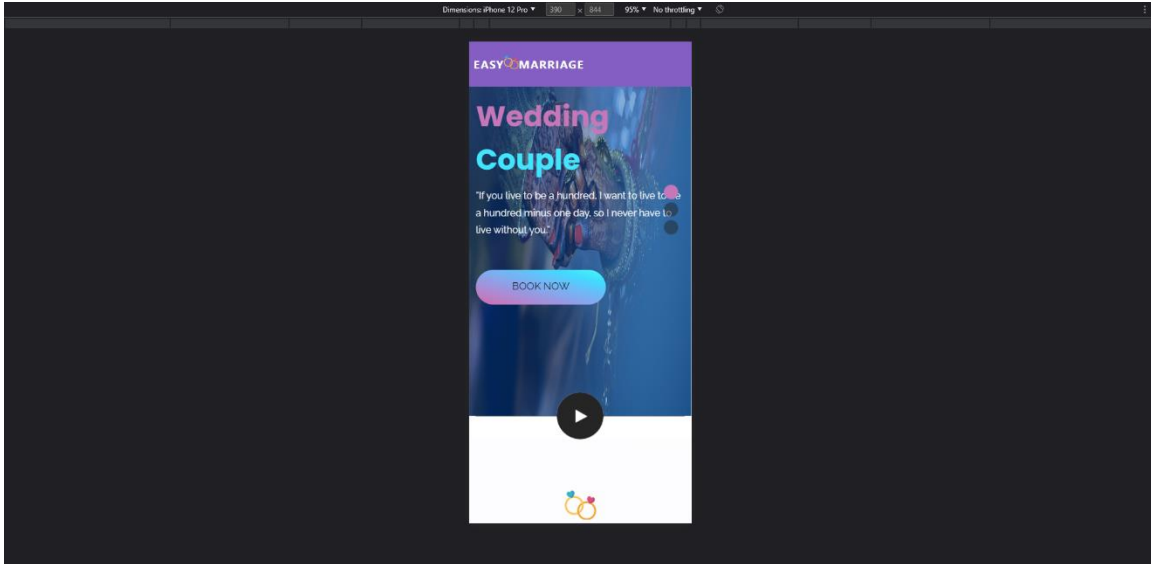


Figure 4.1.49: Responsive in Mobile Phone

4.1.50 Responsive in Tablets

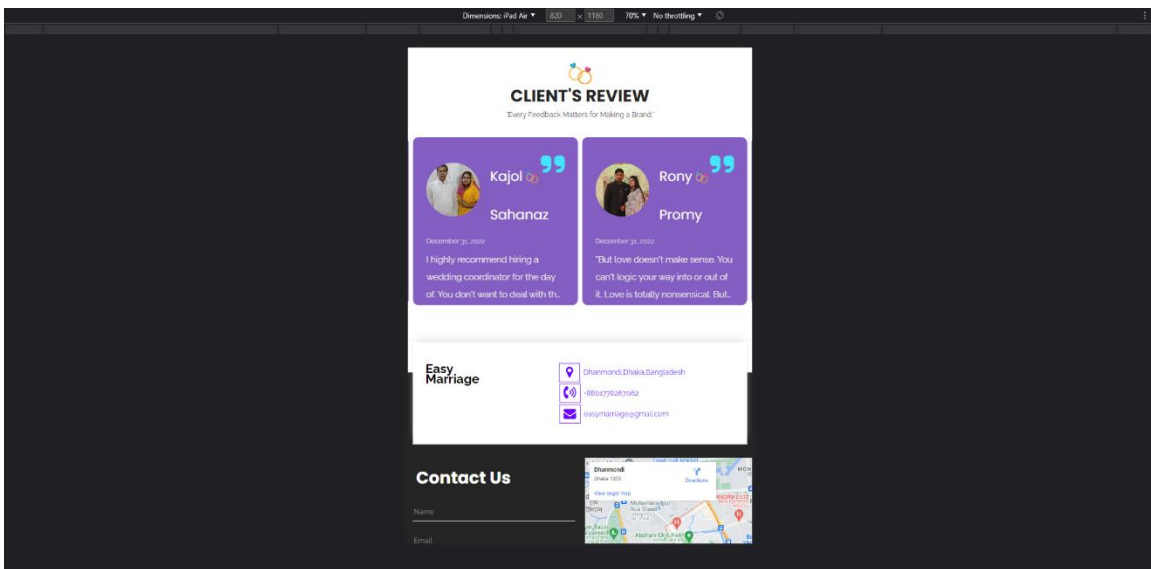
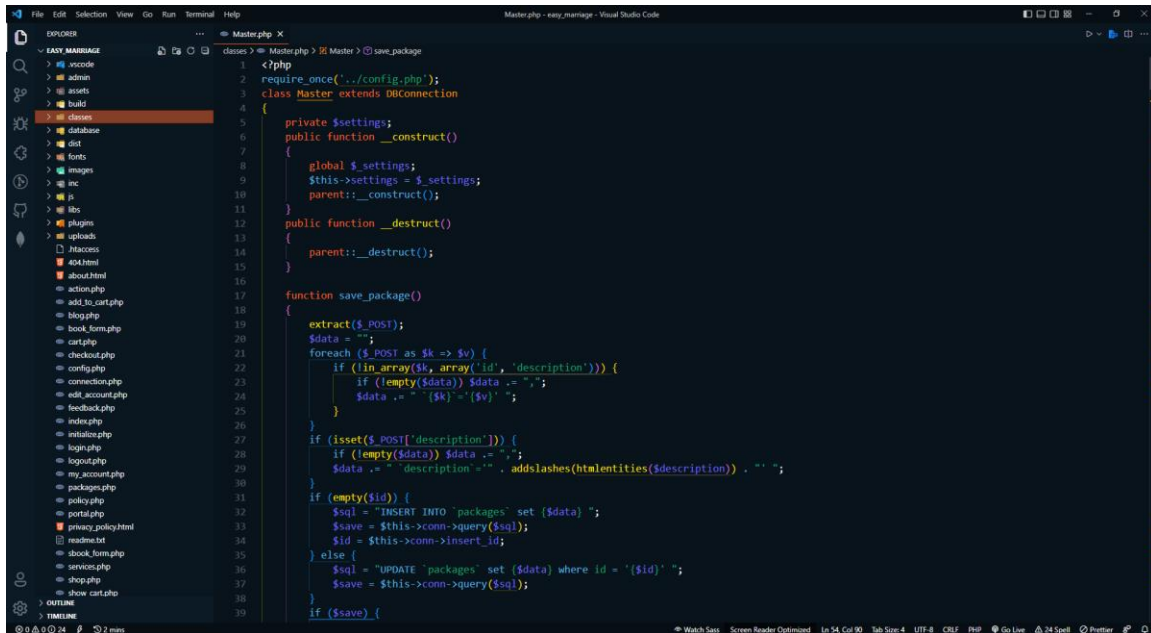


Figure 4.1.50: Responsive in Tablets

4.2 Back-end Design

Back-end design is that part of the website which is hidden from users. Users only interact with the front end they cannot view or modify the back end. For a dynamic website, the back end plays an important role. It is the logical programming part that binds the entire

website means it makes the logical relationships among the database, admin, site, and user site. We worked with PHP as our back-end programming language [6].



```
<?php
require_once("../config.php");
class Master extends DBConnection
{
    private $settings;
    public function __construct()
    {
        global $settings;
        $this->settings = $settings;
        parent::__construct();
    }
    public function __destruct()
    {
        parent::__destruct();
    }
    function save_package()
    {
        extract($_POST);
        $data = "";
        foreach ($_POST as $k => $v) {
            if (in_array($k, array('id', 'description'))) {
                if (!empty($data)) $data .= ",";
                $data .= " {$k} = '{$v}' ";
            }
        }
        if (isset($_POST['description'])) {
            if (!empty($data)) $data .= ",";
            $data .= " description = " . addslashes(htmlentities($description)) . " ";
        }
        if (empty($id)) {
            $sql = "INSERT INTO 'packages' set ($data) ";
            $save = $this->conn->query($sql);
            $id = $this->conn->insert_id;
        } else {
            $sql = "UPDATE 'packages' set ($data) where id = '{$id}' ";
            $save = $this->conn->query($sql);
        }
        if ($save) {
```

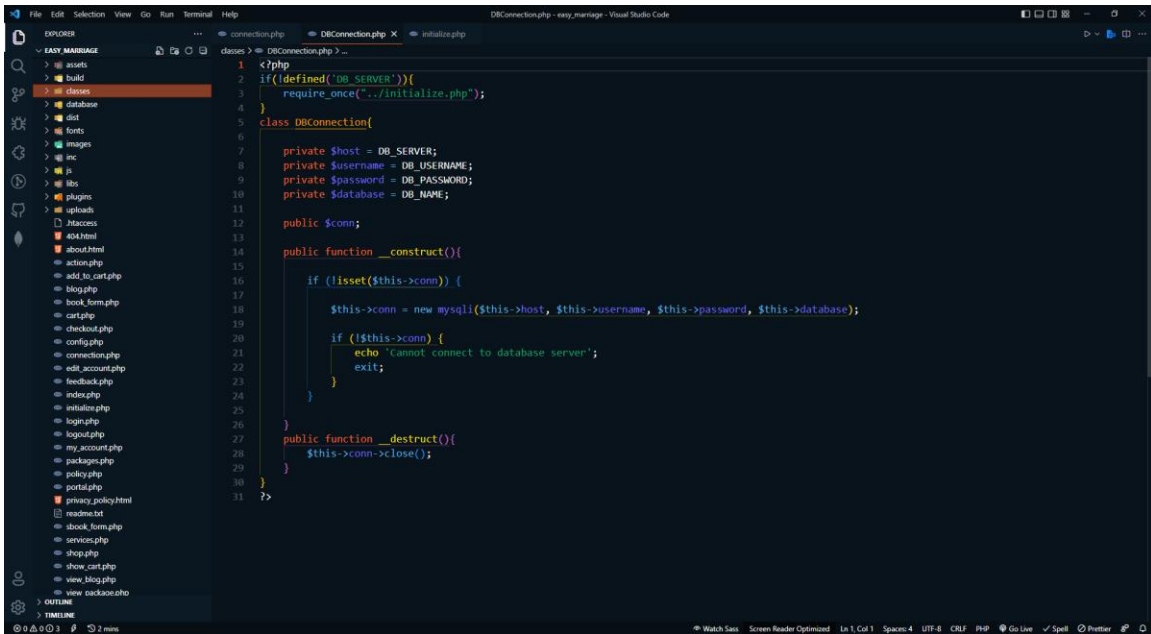
Figure 4.2.1: PHP For Creating All Functions

4.2.1 Code Editor

Visual Studio code is our primary code editor. We also used sublime text for coding. For coding, we used PHP, CSS, and Bootstrap.

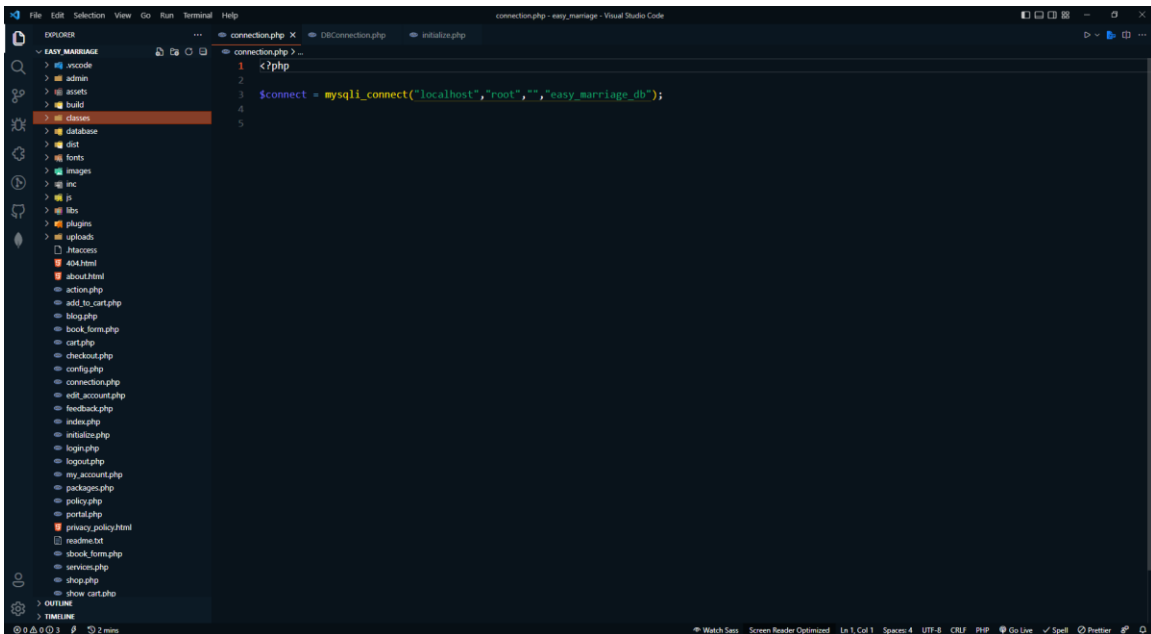
4.2.2 Connecting with Database

We connect our admin and user site with the database so that we can manage data according to the need of our website workflow. Here are some code snaped.



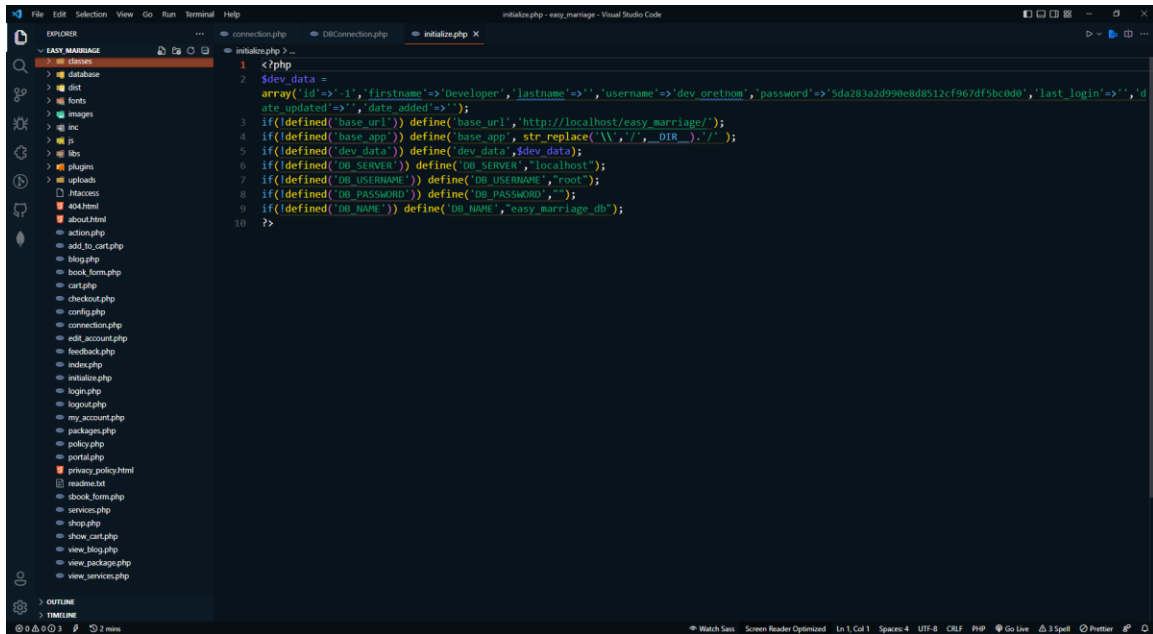
```
1 <?php
2 if(!defined('DB_SERVER')){
3     require_once("../initialize.php");
4 }
5 class DBConnection{
6
7     private $host = DB_SERVER;
8     private $username = DB_USERNAME;
9     private $password = DB_PASSWORD;
10    private $database = DB_NAME;
11
12    public $conn;
13
14    public function __construct(){
15
16        if (!isset($this->conn)) {
17
18            $this->conn = new mysqli($this->host, $this->username, $this->password, $this->database);
19
20            if (!$this->conn) {
21                echo 'cannot connect to database server';
22                exit;
23            }
24        }
25
26        public function __destruct(){
27            $this->conn->close();
28        }
29    }
30 }
31 ?>
```

Figure 4.2.2: DB Connection Code



```
1 <?php
2
3 $connect = mysqli_connect("localhost","root","","easy_marriage_db");
4
5
```

Figure 4.2.3: Connection Code



```
1 <?php
2 $dev_data =
3 array('id'=>'1', 'firstname'=>'Developer', 'lastname'=>'', 'username'=>'dev_oretnom', 'password'=>'5da283a2d990e8d8512cf967df5bc0d0', 'last_login'=>'', 'date_updated'=>'', 'date_added'=>'');
4 if(!defined('base_url')) define('base_url', 'http://localhost/easy_marriage/');
5 if(!defined('base_app')) define('base_app', str_replace('\\', '/', __DIR__));
6 if(!defined('dev_data')) define('dev_data', $dev_data);
7 if(!defined('DB_SERVER')) define('DB_SERVER', 'localhost');
8 if(!defined('DB_USERNAME')) define('DB_USERNAME', 'root');
9 if(!defined('DB_PASSWORD')) define('DB_PASSWORD', '');
10 if(!defined('DB_NAME')) define('DB_NAME', 'easy_marriage_db');
```

Figure 4.2.4: Initialization Code

4.3 Interaction Design and User Experience (UX)

For a better user experience, we design our website simply and interactively. Users can easily navigate from the home page to every section or page. All links and buttons are fully functional. We used gradient color in buttons for better outlook [12]. Our entire home page screenshot is given below.

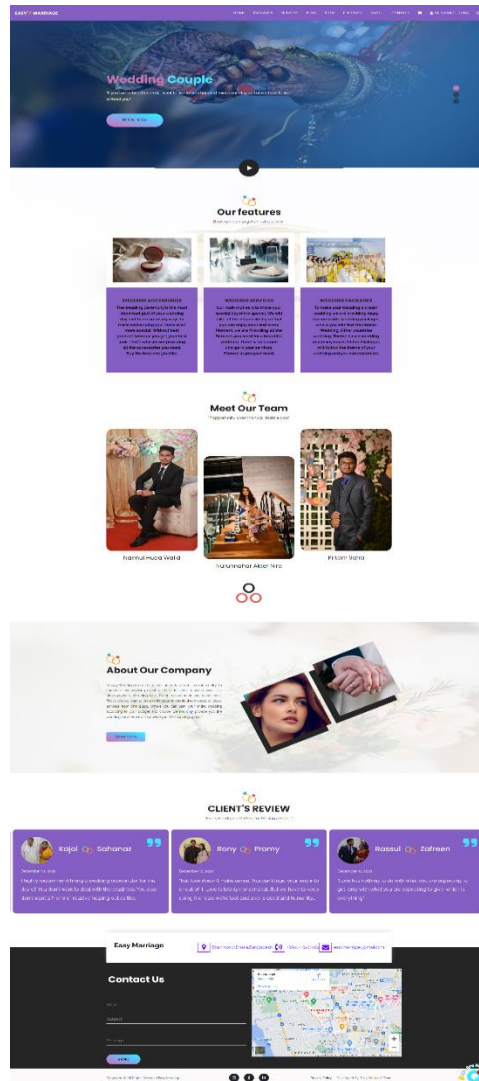


Figure 4.3.1: Entire Home Page

4.4 Implementation Requirements

For implementing this dynamic website, we have to use different programming languages we also need a code editor so that we can write our code for optimizing this website. there are many frameworks and libraries which will make our work easier. That's why we use jQuery, JS, HTML, CSS, and PHP. We also use multiple plugins for making this website user interactive. We used AJAX for real-time data loading.

- For design and structure: HTML, CSS, Bootstrap, JS, and jQuery
- For back-end programming: PHP
- For Database: MySQL database

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

For Database, there are multiple options but we used MySQL database which is an Oracle-developed relational database management system known as (RDBMS) and we have used SQL (structured query language) for this. For a dynamic website database is very important we have to store and collect data from the database. All the data in the database is organized in tables. We used the phpMyAdmin version v5.2.0 and the PHP version 8.1.6.

5.1.1 Database Table

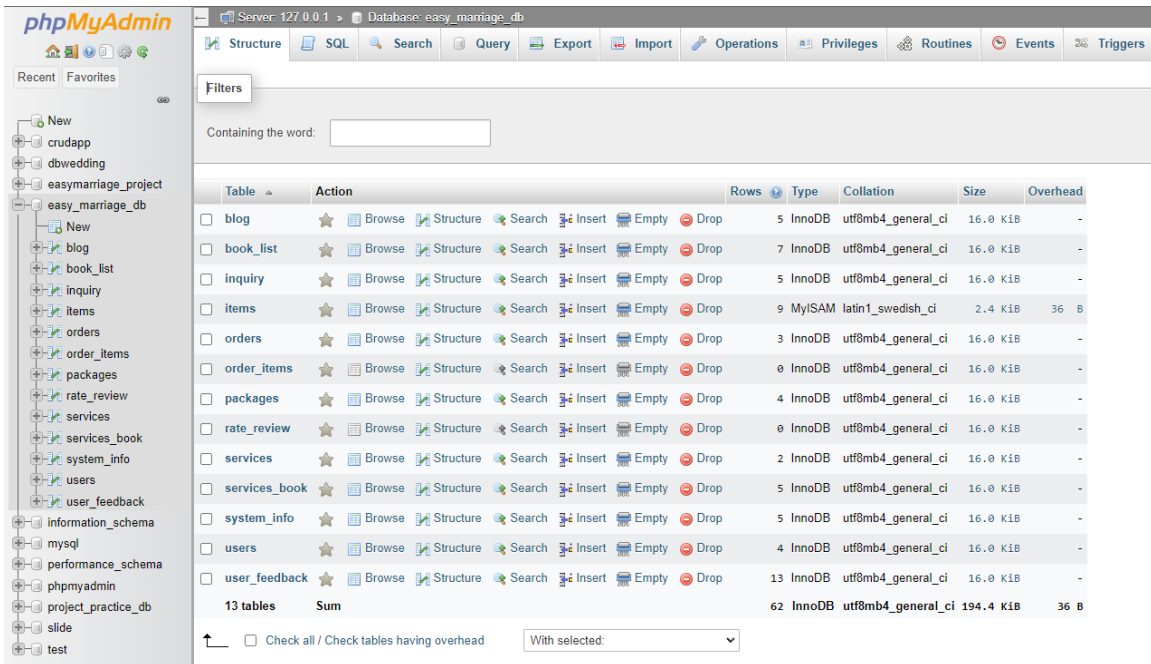


Figure 5.1.1: Database Table View

5.2 Implementation of Front-end Design

Front-end stands for the visual representation of the website. For getting more users and visitors to our website we have to make an interactive and user-friendly front-end design where all the provided sectors will be clear and easy to access. Our website is a platform that provides a complete idea to manage and organize your wedding events. It is more user-

friendly as we make it responsive for different devices. Let's see how we developed the front end of our website.

- The very first-page user see is our home page.
- Home page displays the overview of our website and user can navigate different sections from the home page. Log in and registration page also opens from the home page.
- Home page contains navigation, a features section, team info, reviews, live chat and a contact form.
- We have a feature named packages where users can view multiple ready packages with details information and they can book any packages they like according to their required date.
- We also have a feature named services where users can view multiple services with details information and they can book any services they like according to their required date.
- In the blog section they can view our completed projects.
- We add a simple shop section where products are displayed and user can add their liked product to the cart and then they can check out by giving some information.
- We created feedback so that user can give their valuable opinion to us.
- They can also see the booking status by clicking the profile section.
- Most useful and interactive thing is the live chat system by which users can ask any query they have [11].

5.3 Testing Implementation

Testing makes a project more reliable. It helps the developer to work on the bugs and fix them easily. The way we want our website to work it is working like this or not we can find this by software testing. It helps us to prevent software problems, minimize development costs and enhance performance. We test each method and function in many categories. The next section will provide a summary of our system testing.

Table 5.3.1: SUMMARY OF THE SYSTEM TESTING (USER SIDE)

Test Case	Input	Expected Outcome	Obtained Outcome	Passed/Failed	Testing Date
User Registration	User information	Account successfully registered	Account successfully registered	Passed	22-10-2022
User login	username and password	Logged in successfully	Logged in successfully	Passed	22-10-2022
Home Page	No input	Users can see the home page	Successfully viewed	Passed	29-10-2022
Play Button	No input	Play the video on YouTube	Video played successfully	Passed	29-10-2022
Book Now Button	No input	Take the user to the packages page	The user is taken to the packages page	Passed	06-11-2022
Contract form	Name, email, subject, and message	Inquiry sent	Inquiry sent	Passed	06-11-2022
Package Booking	Event date	Package Booking successful	Package Booking successful	Passed	06-11-2022
service Booking	Event date	Service Booking successful	Service Booking successful	Passed	06-11-2022

View Blog	No input	Open blog page	Open blog page	Passed	10-11-2022
Add to cart	No input	Added to cart	Added to cart	Passed	10-11-2022
Check out	Address And other information	Order Successful	Order Successful	Passed	10-11-2022
Feedback	A couple of names, feedback, and image	Feedback sent successfully	Feedback sent successfully	Passed	14-11-2022
View user profile	Edit profile	User profile opened	User profile opened	Passed	14-11-2022
Change password	Previous password and new password	Successfully changed	Successfully changed	Passed	14-11-2022

Table 5.3.2: SUMMARY OF THE SYSTEM TESTING (ADMIN SIDE)

Test Case	Input	Expected Outcome	Obtained Outcome	Passed/Failed	Testing Date
Admin Login	Username and Password	Successfully logged in	Successfully logged in	Passed	06-11-2022
View Dashboard	No input	Successfully viewed	Successfully viewed	Passed	06-11-2022

Create Packages	Add packages details	Successfully added	Successfully added	Passed	20-11-2022
Create Services	Add services details	Successfully added	Successfully added	Passed	20-11-2022
Create Blog	Add blog details	Successfully added	Successfully added	Passed	20-11-2022
Manage bookings	Select one from confirmed, pending, done, or cancel	Successfully changed	Successfully changed	Passed	27-11-2022
View inquires	No input	Successfully Viewed	Successfully Viewed	Passed	27-11-2022
Edit System Info	Name, short name, and logo	Successfully updated	Successfully updated	Passed	06-11-2022

5.4 Test Results and Reports

Software testing is very important for knowing that our project is working as we want. It helps the developer to find the bugs and loopholes in his work. By doing software testing we can minimize the developing cost, and we can make the website lightweight which improves the performance of your website. for our website, we implement some different types of testing [13].

- Acceptance testing: it ensures that the whole system functions as it should work.
- Unit testing: this is the smallest component that we can test from the website and is known as a unit. This will ensure that everything is working properly.
- Integration Testing: it will verify the interactivity of software components.

- Usability testing: it shows whether the client execution is effective or not in your system.
- Performance testing: in this testing, we will know how much load our site can take or how effectively it works during different workloads.
- Functional testing: in this testing functionality checking is done on functional requirements by observing business situations. Black-box testing is best for this.

After finishing the testing (Shown in section 5.4) we observed that the system's functionality is working according to our expected outcome.

CHAPTER 6

IMPACT ON SOCIETY, ENVIRONMENT & SUSTAINABILITY

6.1 Impact on Society

Marriage is a special event in our life we want to make it more special to create memories. This website will make it more special and easier to manage. It will save our time to manage a wedding. It can influence our society. You will know about different types of wedding culture from this website which will help you to get variety in your wedding. You can choose your dream car on your wedding way to make it more royal-like your dream. This website will provide every service in one platform from cars to venues and other kinds of stuff. Some benefits of this website are given below

- It will provide you with various types of wedding culture styles to choose from.
- There will be different types of wedding packages in the customer's budget
- It'll provide you with authentic products related to weddings and it'll be a trustable site to choose
- It is user-friendly and easy to manage
- People will get an idea about the cost of different types of wedding
- It will give a basic idea about the basic steps of the wedding
- It will provide an organized wedding plan to the users

6.2 Impact on the Environment

In this modern era wedding is a tough work to manage properly. It is time-consuming and difficult to manage. By using this website people can save time. And they can organize the event successfully by using this website. For this reason, people will be stress-free and can enjoy wedding event successfully without any problem

6.3 Ethical Aspects

It is a document that gives the basic idea of the system's goals. It is an e-commerce site as well as a complete wedding service providing the platform that will provide all wedding-

related services. Our main aim is to reduce hassle and to organize a wedding from one platform without any problem.

Thinking about all the issues of weddings we made this. We are thinking about the best services and reducing pain. Users will get the information, resources, and ideas about the cost of all of them on our website.

When a user logs into our website will give a view of the popular reading packages that we are providing there will be also wishing and reviews it will be a secure site user and the admin will get a different interface and there will be some privacy policy. Moreover, our site will maintain the best authentication required by the user.

6.4 Sustainability Plan

Technologies are updating day by day and now we are more dependent on technology-based things. A website is a great platform of technology, the website can give so many features in one place and it's updating day by day. By thinking of all those we are trying to establish our website more attractively. Browsing may help you to get any information easily. It will be user-friendly and more reliable. We will add some features to update it, like, a multi-vendor system, we will save 5 to 10% money from each wedding event and these amounts will be used for the poor people's wedding events, Coupon or rank system for returning customers for discount. Here you will find all wedding-related services information and the home page will give a basic idea about other features and so on.

CHAPTER 7

CONCLUSION AND FUTURE PLAN

7.1 Discussion and Conclusion

At The end here is a summary of the project that we have made. It is a combination of e-commerce and service-providing websites that will provide all wedding services and goods. We wanted to make a platform where people can get all the information about weddings in the meantime, we attend the wedding of our friends. During this event, we observed how difficult it is to organize a wedding event within a short time. From that time, we changed our plan and wanted to make this website our startup so we started to think about this website. By the grace of the almighty, we have done this project successfully. It is a start-up idea-based project and the simplest one for all users and we are constantly working on it to modify it and make it more reliable and attractive. We hope it will help the users to remove their hazard than before and to organize an event gently. We achieved a lot of experience while making this project. Hope it will help us in the future.

7.2 Scope for Further Development

As it is a start-up-based website project it will be updated according to user needs and future situations. As it is a dynamic website we can modify or update any features to make it more attractive for the users. we are going to add a multi-vendor system to our website as of now it is a single-vendor website. From every wedding event, we will save a fixed percentage of the amount which we will be going to use for poor people's weddings. We will also add coupons or a rank system for returning customers for discounts. In this project, we have only cash on the delivery system but we will integrate all the online payment gateway as soon as possible. We Can integrate AI for visualizing the wedding event even before it happens.

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PLAGIARISM REPORT

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