Tax Payment System

Submitted by

Md. Sadman Sakib Khan

ID: 171-35-1971

Department of Software Engineering

Daffodil International University

Supervised by

Md. Shohel Arman

Assistant Professor

Department of Software Engineering

Daffodil International University

This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

© All right Reserved by Daffodil International University

© Daffodil International University

APPROVAL

This project titled on "**Tax Payment System**", submitted by **Md. Sadman Sakib Khan (ID: 171-35-1971)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS

---------- **Chairman**

Dr. Imran Mahmud
Head and Associate Professor
Department of Software Engineering
Faculty of Science and Information Technology Daffodil International University

---------- **Internal Examiner 1**

Md. Maruf Hasan
Associate Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

---------- **Internal Examiner 2**

Fatama Binta Rafiq
Lecturer (Senior)
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

03.12.22
---------- **External Examiner**

Dr. Md. Sazzadur Rahman
Associate Professor
Institute of Information Technology
Jahangirnagar University

© Daffodil International University

DECLARATION

I so certify that I worked on this project under the guidance of Md. Shohel Arman, an assistant professor in the SWE department at Daffodil International University. Additionally, I affirm that neither this project nor any portion of it has been submitted for consideration for a degree or certificate elsewhere.

Supervised by:

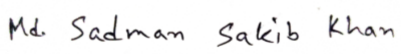
Md. Shohel Arman

Assistant Professor

Department of SWE

Daffodil International University

Submitted by:



Md. Sadman Sakib Khan

ID: 171-35-1971

Department of SWE

Daffodil International University

© Daffodil International University

ACKNOWLEDGEMENT

Firstly, I would want to thank Almighty God from the bottom of my heart for His glorious grace, which has enabled me to successfully complete the final year project.I would want to express my sincere gratitude and debt of gratitude to Md. Shohel Arman, Assistant Professor, SWE Department, Daffodil International University, Dhaka.

The completion of this assignment has been made possible by his unending patience, academic guidance, encouragement, constructive criticism, energetic supervision, insightful advice, and reading numerous subpar drafts and editing them at every level.

I would like to extend my sincere gratitude to the teachers and staff of Daffodil International University's SWE department, as well as to Dr. Imran Mahmud, Head and Associate Professor, for his gracious assistance in helping me to complete my project.I want to express my gratitude to everyone of my Daffodil International University course colleagues who participated in this discussion while finishing the assigned material.Lastly, I must respectfully thank our parents for their ongoing assistance and patience.

© Daffodil International University

ABSTRACT

The compilation of an user's tax return summary or taxation details is the main objective of our project. An user registers with the all in one solution as tax payment system after completing whole paperwork process, entering all of his information, and uploading the various documents needed to create the Tax overview and make the schedule for a meeting. Once whole procedures have been completed, the admin creates Tax Overviews or Tax Returns for each client. Main administrator gets in touch with the clients and sets up a meeting to discuss various Tax Overviews-related subjects.

The consumer will be able to download his tax summary in PDF format if he has paid the preparation charge.

© Daffodil International University

Table of Contents

ABSTRACT v
LIST OF TABLES ix
LIST OF FIGURES ix
SECTION 1 1
INTRODUCTION 1
1.1 Project Summary 1
1.2 Project Goals 1
1.3 Calculating Taxes 2
1.4 Beneficiaries & Benefits 2
1.5 Objectives 2
1.6 Stakeholders 3
1.7 The Project Timeline 3
1.8 The Gantt Chart 4
1.9 Project Schedule 5
SECTION 2 6
SPECIFICATION FOR SOFTWARE CRITERIONS 6
Operational Criterion: The User 6
Operational Criterion: Police Officer: 6
Operational Criterion: District Officer: 7
2.1 Implementation Standards 7
The dependability criterion includes availability, safety, security, and reliability, however reliability is the most crucial factor. These prerequisites are also necessary. 7
2.2 Dimensional Criterions 7
2.3 Demands For Dependability 7
2.4 Dependability Conditions 7
2.5 Criterions For Acceptance Failures 8
2.6 Critical Criterions For Safety 8
2.7 Maintenance and Sustainability Criterions 8
2.8 Criterions For Upkeep 8
2.9 Criterions For Supportability 8
2.10 Criterions For Flexibility 8
2.11 Security Conditions 9

© Daffodil International University

2.12 Log in Criterions 9
2.13 Integrity Conditions 9
2.14 Criterions For Privacy 9
2.15 Criterions For Human-Interaction 9
2.16 Demands For User-Friendliness 9
2.17 Criterions For Understanding 9
2.18 Accessibility Specifications 10
2.19 Criterions For User Guides 10
2.20 Criterions For Training 10
SECTION 3 11
THE SYSTEM DEVELOPMENT & RESEARCH 11
3.1 Use Case Diagram 11
3.2 Use Case Summaries 12
3.3 User Summaries 12
3.4 Police Officer Summaries 13
3.5 District Officer Description 14
3.6 Activity Diagram 15
3.7 The Activity of User Registration 15
3.8 The activity of the user logging in 16
3.9 The Activity of User Tax Calculation 17
3.10 The User Requests Payment Activities 18
3.11 Audit Report Activity 19
3.12 Providing a tax computation task 20
3.13 Report on Evaluation Task 21
3.14 Payment Activity 22
3.15 Reaction Exercise 23
3.16 System Sequence Diagram 24
3.17 The User login 24
3.18 The User register 25
3.19 The User (tax payer) 26
3.20 Police officer 27
3.21 District Officer 28
3.22 System Entity Relation Diagram 29

© Daffodil International University

3.23 Constraints in Design and Implementation 30
3.24 Framework or Language for Software: 30
3.25 Development Technologies and Tools: 30
3.26 Project Management 30
3.27 Model for Software Process 30
SECTION 4 32
TESTING OF THE SYSTEMS 32
4.1 Testing features 32
4.2 Testable characteristics 32
4.3 Testing Techniques 32
4.4 Test Method 32
4.5 Testing Category 32
4.6 Success/Failure Standards 32
4.7 Environment for Testing 33
4.8 Test Cases 34
T.C. No-1 (Integration Examination) 34
T.C. No-2 (Module Examination) 36
SECTION 5 37
MANUAL FOR USERS 37
5.1 Page One 37
5.2 The User login 37
5.3 The User Dashboard 38
5.4 Calculating Tax 38
5.5 Taxpayable Form 39
5.6 Assessment report Download 39
5.7 The User Detail's page 40
5.8 Mailtrap 40
SECTION 6 41
SUMMARY OF THE PROJECT 41
6.1 GitHub Link 41
6.2 Restrictions 41
6.3 Challenges and Successes 41
6.4 Future Scope 41

© Daffodil International University

6.5 References 42
6.6 Plagiarism Report 43

LIST OF TABLES

SECTION 1

Table 1.9 Project Schedule 5

SECTION 4

Table 4.8.1: T.C. For User And Officer login 34

Table 4.8.2: T.C. For Teachers Login 35

LIST OF FIGURES

SECTION 1

Figure 1.8: The Gantt chart 4

SECTION 3

Figure 3.1: Use case for tax payable system 11
Figure 3.7: Diagram of the activity of user reg 15
Figure 3.8**:** The Activity of the user log in 16
Figure 3.9: Diagram of the activity of user tax calculation 17
Figure 3.10: Activity Diagram for the user payment activities 18
Figure 3.11: Activity Diagram for audit 19
Figure 3.12: Providing a Tax Computation Task 20
Figure 3.13: Activity Diagram of the report evolution task 21
Figure 3.14: Payment Activity Diagram 22
Figure 3.15: Reaction Activity Diagram 23
Figure 3.17: Login Sequence Diagram for the users 24
Figure 3.18: The User registration flow diagram 25

© Daffodil International University

Figure 3.19: The User Sequence Diagram 26

Figure 3.20: Police Officer Sequence Diagram 27

Figure 3.21: District Officer Sequence Diagram 28

Figure 3.22: Entity Relation Diagram 29

Figure3.27: Waterfall Model 31

SECTION 5

Figure 5.1 UI (User starting page) 36

Figure 5.2 UI (The User login page) 36

Figure 5.3 UI (The User Dashboard) 37

Figure 5.4 UI (Calculating Tax) 37

Figure 5.5 UI (Taxpayable Form) 38

Figure 5.6 UI (Assessment report) 38

Figure 5.7 UI (The User Details) 39

Figure 5.8 (Mailtrap) 39

© Daffodil International University

SECTION 1

INTRODUCTION

1.1 Project Summary

A number of developing nations have enacted taxation revisions in recent years. Such changes were spurred by local circumstances as well as the growing internationalization of economic activities. The necessity to rectify budgetary instabilities and the change from a market economy to a centralized plan were local factors hastening tax revisions. The fiscal stabilization plan has included tax reform as a key component due to the difficulty of cutting spending. To make the shift from strategy to market, it was required to replace administered rates with prices set by the market, financial controls with physical restrictions, and tax revenues with gains for the public sector.

Tax adjustments are also crucial in a world that is becoming more global. The performance and enforcement expenses of the tax system must be decreased to enhance competition and promote foreign investment. A lack in customs revenue brought on by globalization must be made up for by domestic revenues. Bangladesh's tax structure had to be altered in response to changes in growth policy. Bangladesh has a sophisticated taxation system. Bangladesh's tax structure primarily consists of a two-tier structure with an emphasis on the national and local governments. The most prevalent instances of these local authorities are counties and local councils.

1.2 Project Goals

The proposed document's goal is to outline every prerequisite for the intended Tax Payable System to the government of Bangladesh. All Bangladeshi citizens in the prospective system are part of the intended audience. They consist of, including, but not restricted to, the things that follow: Police, Officer, User, Employee of the authorities and Taxation Collector.

As the only source of project requirements, developers should refer to this document and any updates. Any requirements statements—verbal or written—should not be taken into account as genuine unless they are included in this document or a revision of it.

© Daffodil International University

This document and any updates to it should be used as the main channel by Government Employees, Tax Officers, Police Officers, and Taxpayers to converse verified requirements to the development team . The group responsible for development anticipates having a lot of in-person discussions, many of which will probably center on requirements and potential requirements. Please be aware that the system's scope will only be determined by the criteria that are stated in this document or a subsequent modification.

1.3 Calculating Taxes

Government employees, tax officers, police officers, and taxpayers should use this document and any changes to it just like the principal method of communicating verified specifications for the creation of group. Main Core dev ops lead anticipates having a lot of in-person discussions, many of which will probably center on requirements and potential requirements. Please be aware that the system's scope will only be determined by the criteria that are stated in this document or a subsequent modification.

1.4 Beneficiaries & Benefits

The advantages of this solution are positive. They are highlighted below:

- Improved revenue allocation,
- Effective revenue gathering,
- Easy-to-use services,
- Enhanced rate of collecting,
- Standard solutions across the board for all tax categories,
- Comprehensive solution covering all forms of income,
- A considerable decrease in expenses,
- Faster Revenue Gathering.

1.5 Objectives

- Construct The assignment on a compact cloud generator.
- Individuals can utilize this as their impending tax obligations.
- Increase public awareness to support the development of our nation.
- Simplify tax computations and payments for individuals across all occupations.

© Daffodil International University

1.6 Stakeholders

In our solutions, there are three different kinds of stakeholders. Those are:

- **District officer**

The District Officer, who plays this role as the main character in TPS, is responsible for carrying out large and delicate tasks. The District officer will verify and examine each step of the Tax Payable System process. Work of the Audit Police officers and a report on User details.

- **Police Officer**

Police officers have a secondary essential role in the TPS; they can review User reports and audit data on User properties.

- **The User**

Because it is the major actor in our system, the role of a User is also one of utmost importance. A User can register in the system and provide verified information to determine the maximum amount they must pay. could view his/her report, as well as follow the progress of their Tax Payable System at home. The tax can be paid by credit card or an online or mobile banking system.

1.7 The Project Timeline

Every project must follow its schedule in order to be completed within due timeline.

© Daffodil International University

1.8 The Gantt Chart

It is a picture representation of a planned overtime work. It is an effective technique to be displayed the project that's scheduled to be performed just in given time. It is helpful as we can see when my project starts and ends.

Actions		W 1	W 2	W 3	W 4	W 5	W 6	W 7	W 8	W 9	W 10	W 11	W 12	W 13	W 14	W 15
Ways for developing	Idology															
	Issue description															
	Suggestion preparation															
Guidelines for necessities	Necessities indications															
	Necessities observation															
QA -1	Verification of excellence															
Developing Mechanisms	Mechanisms guidelines															
	Mechanisms style															
	Designing databases															
Development	Modules for betterment systems															
	Sync Up programms															
QA -2	Test Cases															
Testing	Unit testing															
	Black box testing															
Resolve problems	Identify and fix problems															
Release	Software launch															

Figure 1.8: The Gantt Chart

© Daffodil International University

1.9 Project Schedule

Below is a timeline record for the project:

Task	Date
Seminar for Topic Selection	**20/10/2022**
Project Topic and Name Selection Brainstorming	10/11/22-19/11/22
project proposal submission	28/10/2022
Specification of Requirements	02/01/2022 – 29/01/2022
Mid Term Defense	25/02/2021
Design and Analysis of Systems	23/11/2022 – 28/11/2022
Improvement System	23/11/2022 – 30/11/2022
System evaluation	22/11/2022 – 29/11/2022
Finished Project	**30/11/2022**

Table 1.9 Project Schedule

© Daffodil International University

SECTION 2

SPECIFICATION FOR SOFTWARE CRITERIONS

Operational Criterion: The User

Criterion Identity	OC.USER.1
Criterion Name	Log in
Body	By using their user name and password, tax payers can log in

Criterion Identity	OC.USER.2
Criterion Name	Tax Calculation
Body	The User can compute taxes

Criterion Identity	OC.USER.3
Criterion Name	Choose an evaluation form
Body	The Client Can Provide Tax Data in the Evaluation From

Criterion Identity	OC.USER.4
Criterion Name	Tax Refund
Body	The client may pay taxes

Criterion Identity	OC.USER.5
Criterion Name	Choose data
Body	The User can view their tax information

Operational Criterion: Police Officer:

Criterion Identity	OC.PO.1
Criterion Name	Log in
Body	Using a user name and password, Police Officer can log

Criterion Identity	OC.PO.2
Criterion Name	Check out User Submission
Body	All User submissions are visible to the police officer

Criterion Identity	OC.PO.3
Criterion Name	report for the User
Body	Police Officers May submit reports

© Daffodil International University

Operational Criterion: District Officer:

Criterion Identity	OC.DO.1
Criterion Name	Log in
Body	The user name and password for District Officer will allow access

Criterion Identity	OC.DO.2
Criterion Name	User assessment return
Body	All taxpayers can be assessed by the district officer

Criterion Identity	OC.DO.3
Criterion Name	Take Action for user
Body	A Local Officer can take steps for a user

2.1 Implementation Standards

The dependability criterion includes availability, safety, security, and reliability, however reliability is the most crucial factor. These prerequisites are also necessary.

2.2 Dimensional Criterions

The gadget must manage both types of user data.

DC-1	System can manage a lot of data
Description	The system must support a vast variety of data set prototypes.
Stakeholder	District Officer

2.3 Demands For Dependability

Reliability is measured in four dimensions. Only a few examples are safety, security, reliability, and availability. Therefore, these four dimensions must be met by our device.

2.4 Dependability Conditions

Dependability is the probability that a machine will function without issue.

DC-1	There should be a system that active for 24/7
Description	The system needs to be constantly accessible, up to current and phishing free.
Stakeholder	N/A

© Daffodil International University

2.5 Criterions For Acceptance Failures

In order to be Failure-tolerant, it is essential to guarantee 0% crush and proper performance for customers.

FTR-1	The system controls all user data without a single hardware bug.
Description	Our system will be used simultaneously by both users, so it must handle requests flawlessly.
Stakeholder	NO

2.6 Critical Criterions For Safety

My project does not have any safety-critical requirements..

2.7 Maintenance and Sustainability Criterions

The provision of post-purchase support or services to clients is crucial.

2.8 Criterions For Upkeep

DC-1	Project facilitates customer administration
Description	It is really crucial
Stakeholder	District Officer

2.9 Criterions For Supportability

There are various prerequisites for supportability. Those are:

- Maintainabilities
- Configurabilities
- Compatibilities
- Serviceabilities

2.10 Criterions For Flexibility

There is no requirement for customization in my project..

© Daffodil International University

2.11 Security Conditions

It is impossible to exaggerate the significance of security requirements for device solutions. It ought to be based on actual requirements. Application system security is an issue of software protection. Regarding protection, there are some guidelines. Those are:

- Enter a User, police officer, or district officer.
- Get access based on who is currently logged in.
- Sign off as a User, district officer, or police officer.

2.12 Log in Criterions

There are no admissions criteria for my project..

2.13 Integrity Conditions

My project does not have any provisions for authenticity.

2.14 Criterions For Privacy

In any plan, privacy guidelines must be established. Anyone can register by confirming their details and protecting their privacy with their accessibility settings.

2.15 Criterions For Human-Interaction

Making a device user-friendly and simple to operate is the main objective of every gadget solution.

2.16 Demands For User-Friendliness

Our Solution is simple to use and comprehend.

DUF-1	The user must find the system straightforward to use
Description	This approach makes system management simple for the user
Stakeholder	District Officer, Police Officer and The User

2.17 Criterions For Understanding

The parameters of my project are unclear.

© Daffodil International University

2.18 Accessibility Specifications

My project lacks certain usability standards.

2.19 Criterions For User Guides

For my project, user documentation is not required.

2.20 Criterions For Training

There are no training requirements in my project.

© Daffodil International University

SECTION 3

THE SYSTEM DEVELOPMENT & RESEARCH

3.1 Use Case Diagram

Two actors are depicted in our use case diagram. I can build my project with the aid of this

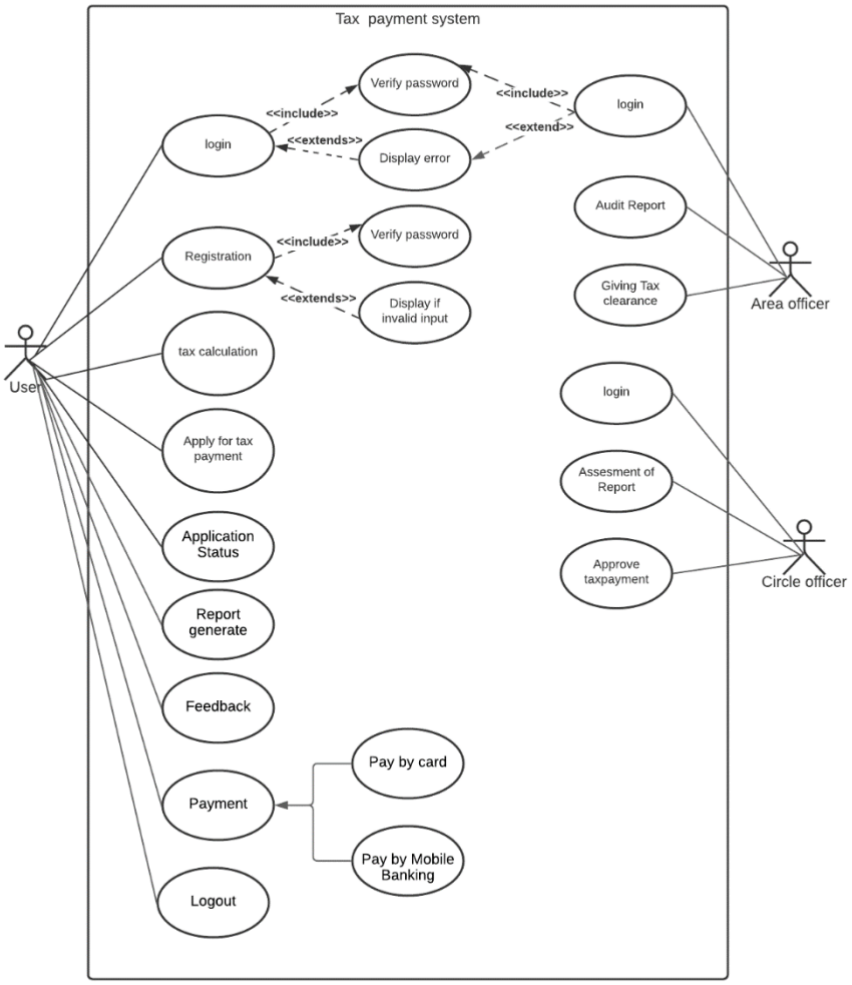


diagram.

Figure 3.1: Use case for Tax Payable System

© Daffodil International University

3.2 Use Case Summaries

3.3 User Summaries

Use Case name :	The User
Summaries:	Data provided by the User, Filed a tax return, calculated taxes, and paid taxes
Actors:	The User
Priorities :	1. A Registered User is Required 2. Information that must be submitted 3. Taxes Must Be Calculated
Following conditions :	1. The User must choose the Payment Gateway option 2. Check Reports
Flow:	1. Account for User Registration and Payment 2. Choose Tax returns details 3. Input every Details 4. Calculate the tax due 5. Remittance of taxes 6. See Remarks And/or reports
Differential Flows:	If the User chooses to pay with a credit card or mobile banking at step 5 of the standard flow.
Exclusivity :	
Conditions :	The execution of the use case cannot begin unless the following requirements are met 1. Registered user required 2. Required Fields for Tax Return Information

© Daffodil International University

3.4 Police Officer Summaries

Name of Use Case:	Police Officer
Description:	User Data for Police Officer Assessment and Report Submission
Actors:	Police Officers
Priorities :	A registered officers is required
Following conditions :	
Flow:	1. Logging onto their portal, Police Officer 2. Click here for user details 3. Document for User Assessment Returns 4. Produce Documents
Differential Flows :	
Exclusivity :	
Conditions :	Before the use case is executed, the following requirements must be met 1. Be required to register

© Daffodil International University

3.5 District Officer Description

Use Case Name:	District Officer
Summaries:	Officer in the District can see the Evaluation Data, the Payable Affected User Information, and the Steps
Actors:	District Officers
Priorities:	1. A registered officer is required
Following conditions:	
Flow:	1. Signing into the district officer's portal 2. Click here for User profile 3. View Evaluation Files 4. Be Doing something
Differential Flows:	
Exclusivity:	
Conditions:	Before the use case is executed, the following requirements must be met 1. Be Required to Register

© Daffodil International University

3.6 Activity Diagram

3.7 The Activity of User Registration

Users who accurately fill out the registration form must first validate their email address.

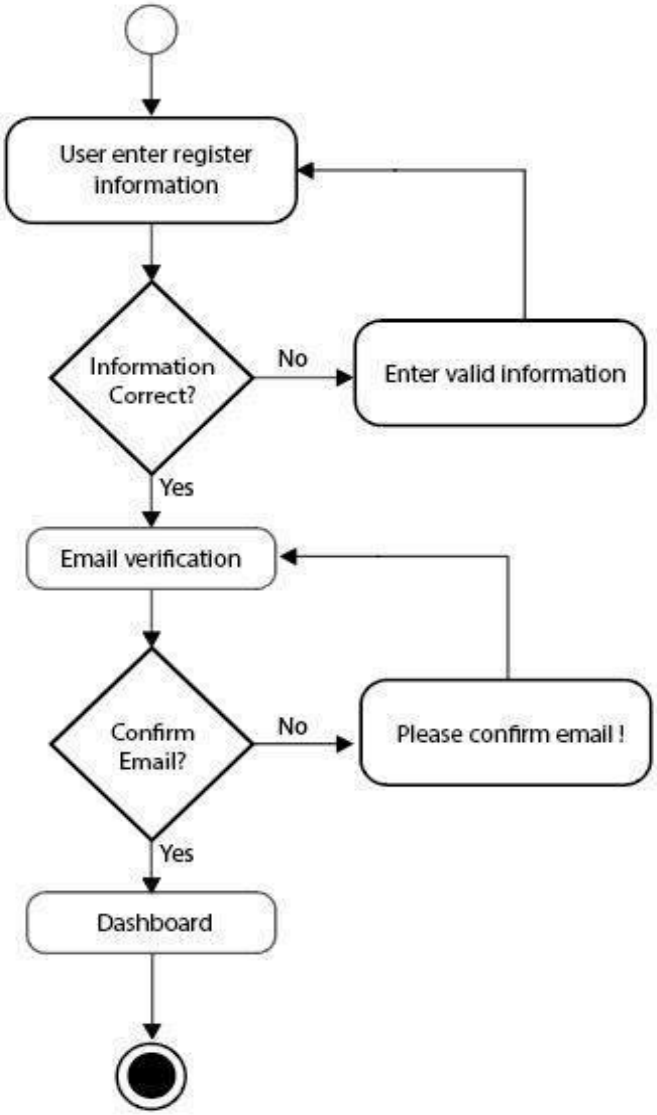


Figure 3.7: Diagram of The Activity of User Registration

© Daffodil International University

3.8 The activity of the user logging in

With just their password and email address, users can log in.

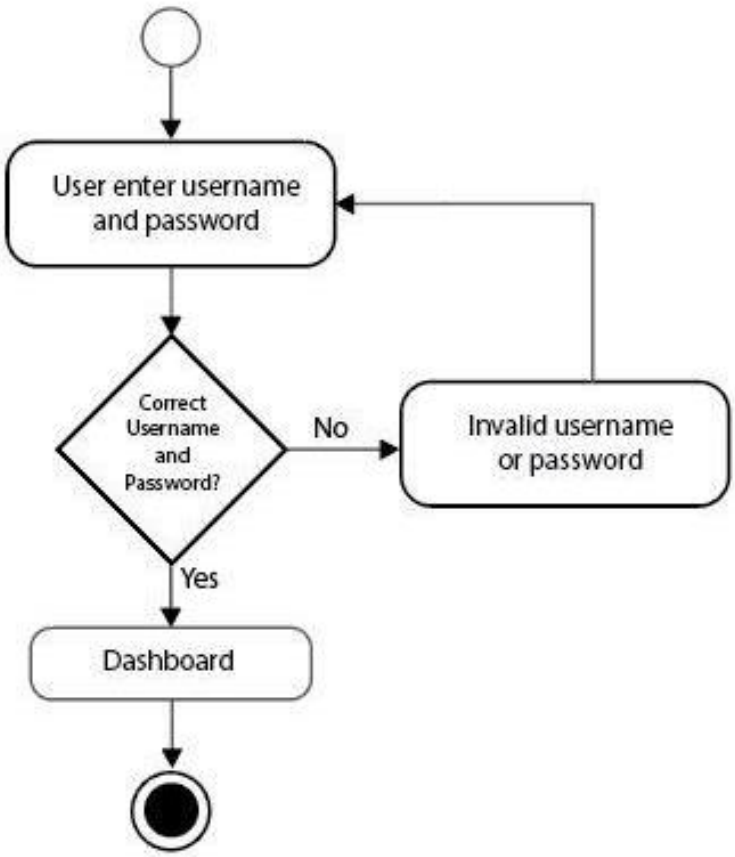


Figure 3.8 The activity of the user logging in

© Daffodil International University

3.9 The Activity of User Tax Calculation

This technique will be used to determine the user's tax obligation.

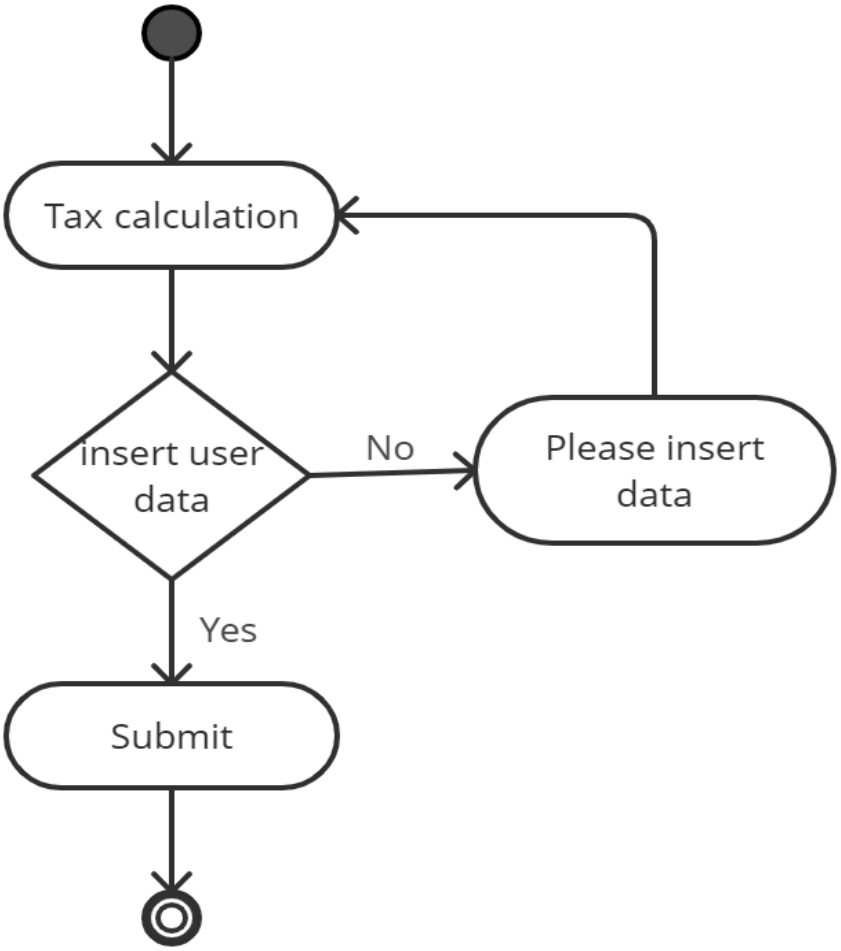


Figure 3.9: Diagram of The Activity of User Tax Calculation

© Daffodil International University

3.10 The User Requests Payment Activities

For Tax Payable System, the User must provide accurate information.

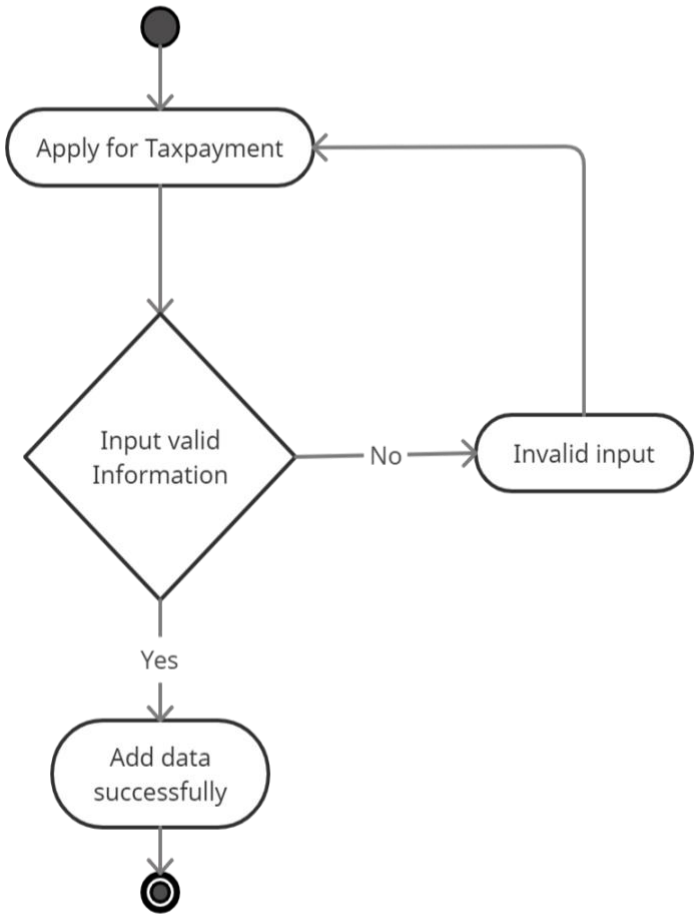


Figure 3.10: Activity Diagram for The User Requests Payment Activities

© Daffodil International University

3.11 Audit Report Activity

Reports are subject to admin review.

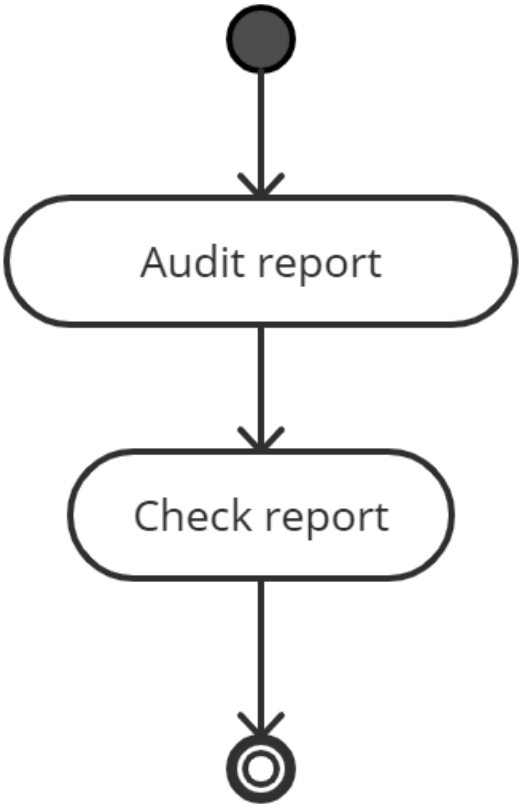


Figure 3.11: For an audit report

© Daffodil International University

3.12 Providing a tax computation task

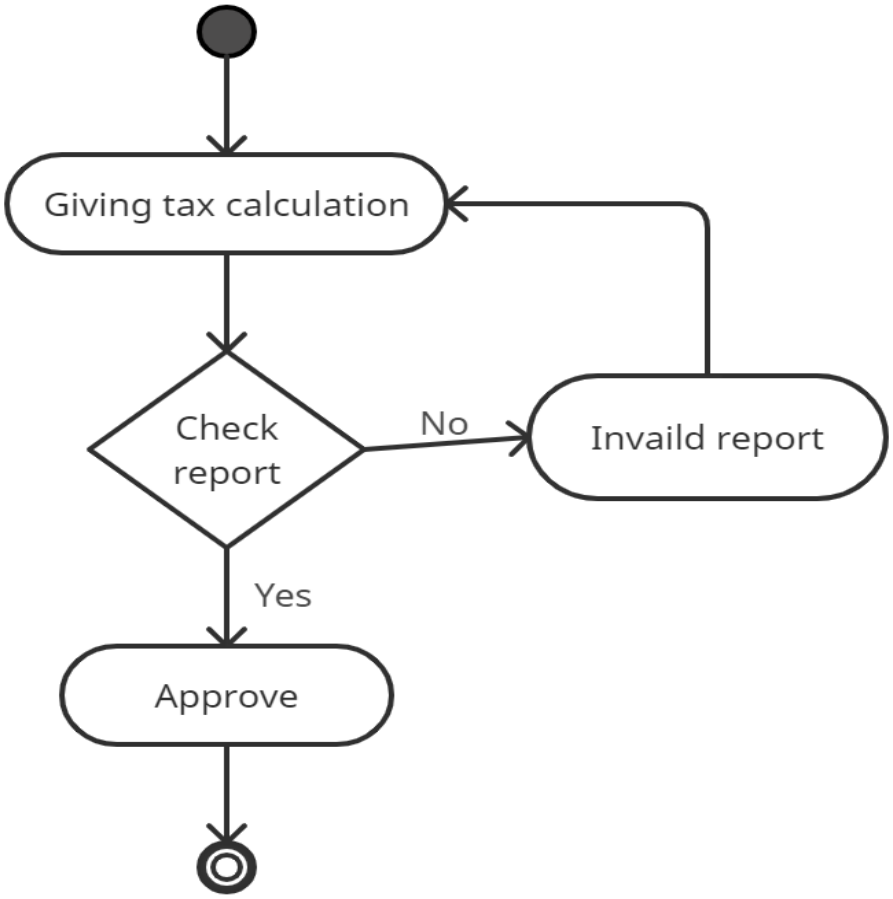


Figure 3.12: Providing a tax computation task

© Daffodil International University

3.13 Report on Evaluation Task

You can use this technique to find out if the user is making their tax payments on date.

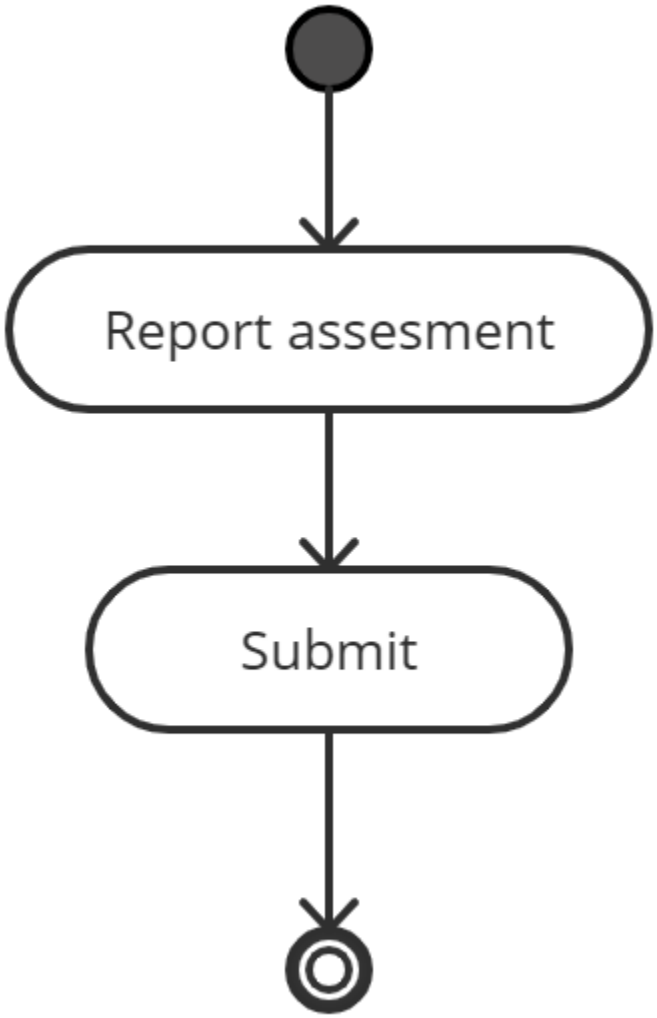


Figure 3.13: Diagram of the Report on Evaluation Task

© Daffodil International University

3.14 Payment Activity

The Users have the option of using cards or mobile banking to pay.

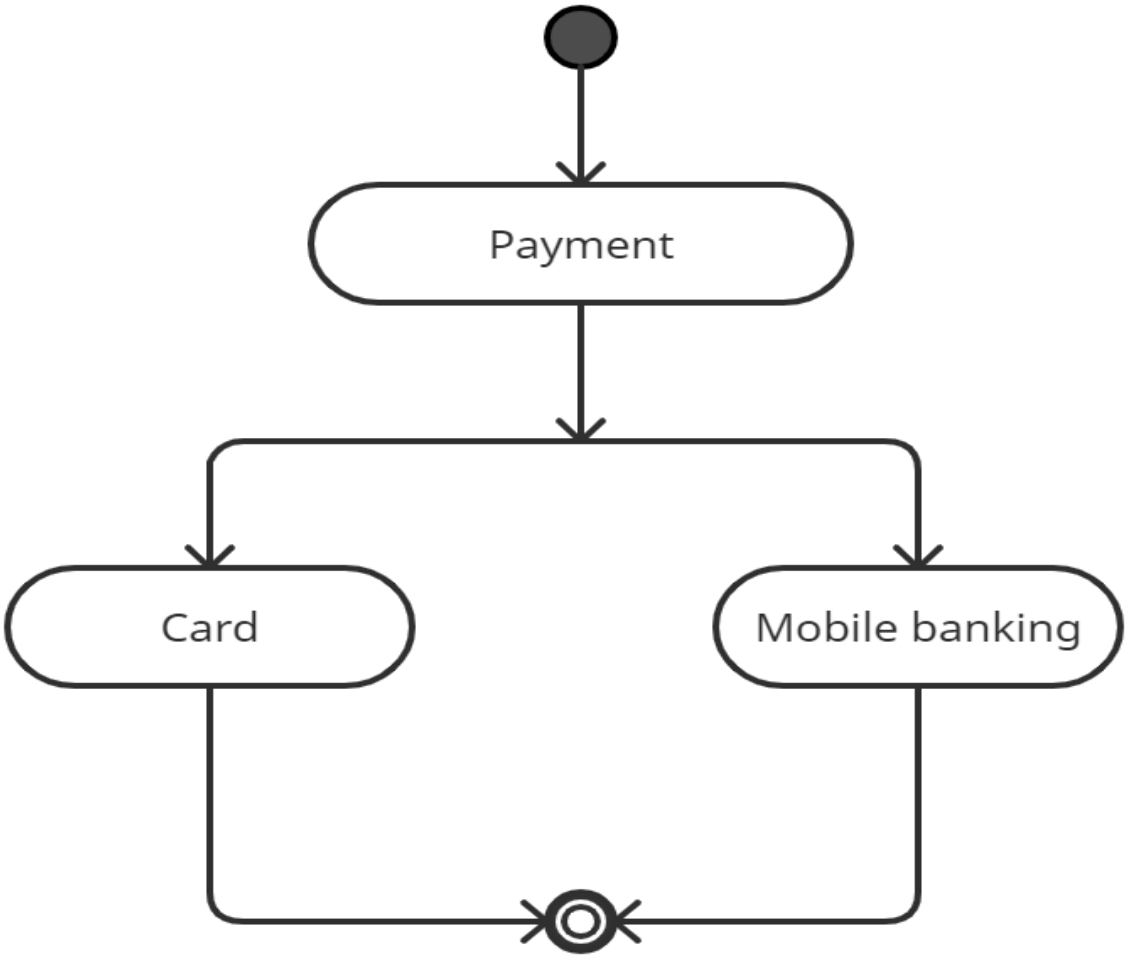


Figure 3.14: Payment Activity

© Daffodil International University

3.15 Reaction Exercise

Using this method, the user will offer comments.

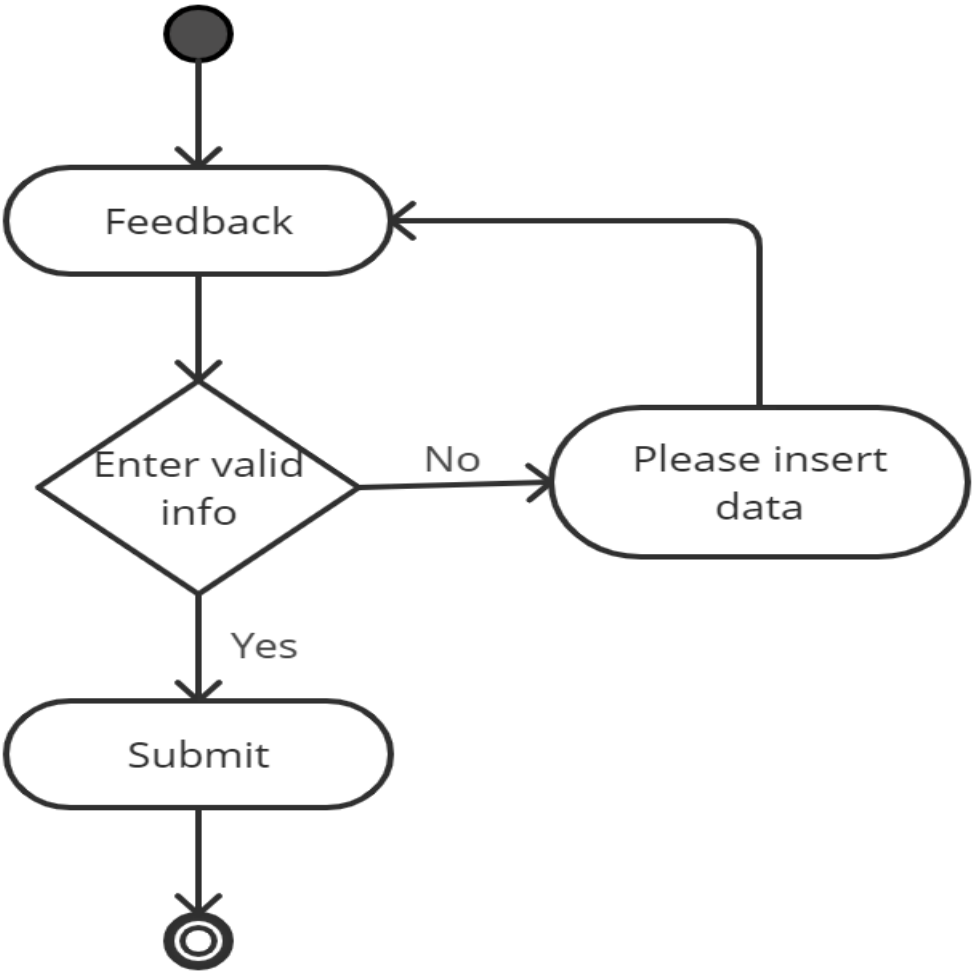


Figure 3.15: Diagram of Reaction Exercise

© Daffodil International University

3.16 System Sequence Diagram

3.17 The User login

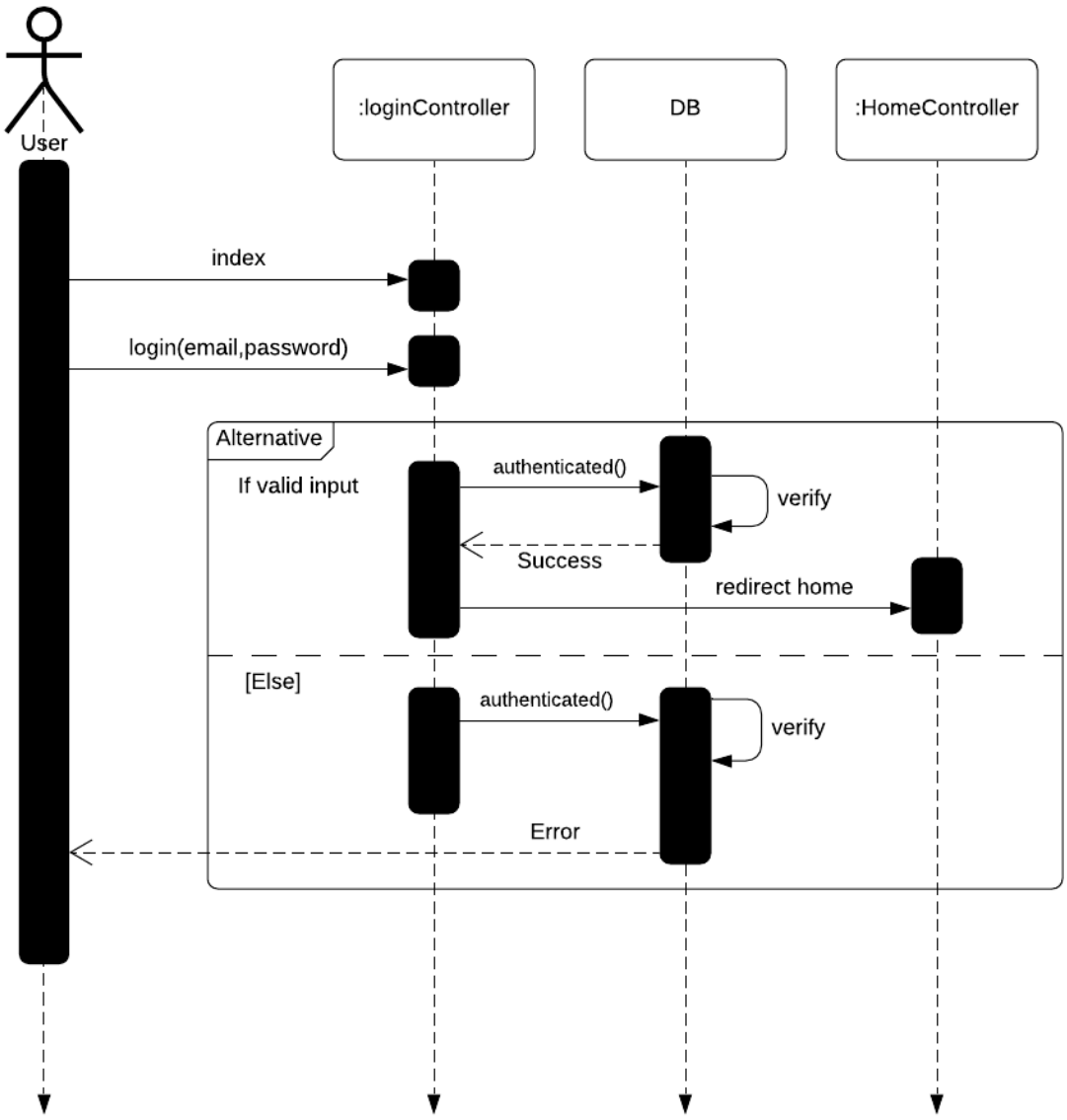


Figure 3.17: Login sequence diagram for the users

© Daffodil International University

3.18 The User register

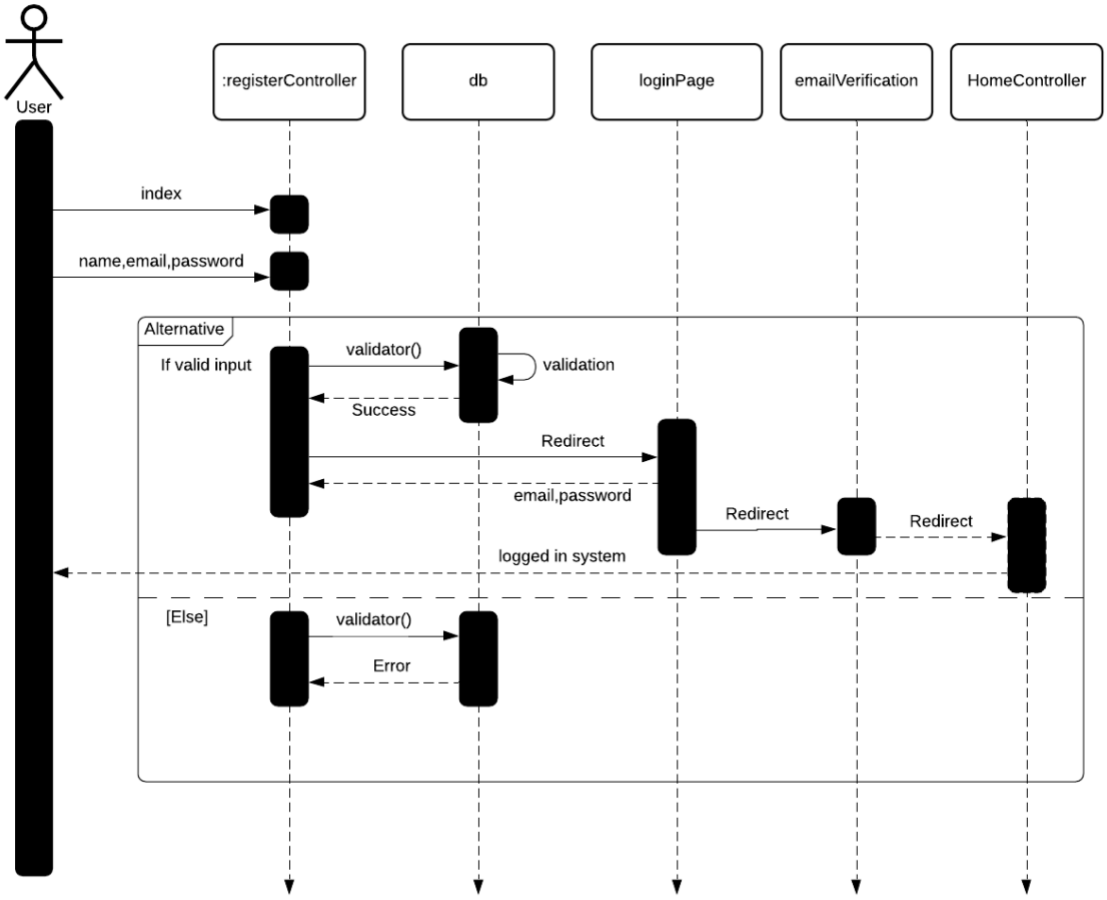


Figure 3.18: User registration Flow Diagram

© Daffodil International University

3.19 The User (tax payer)

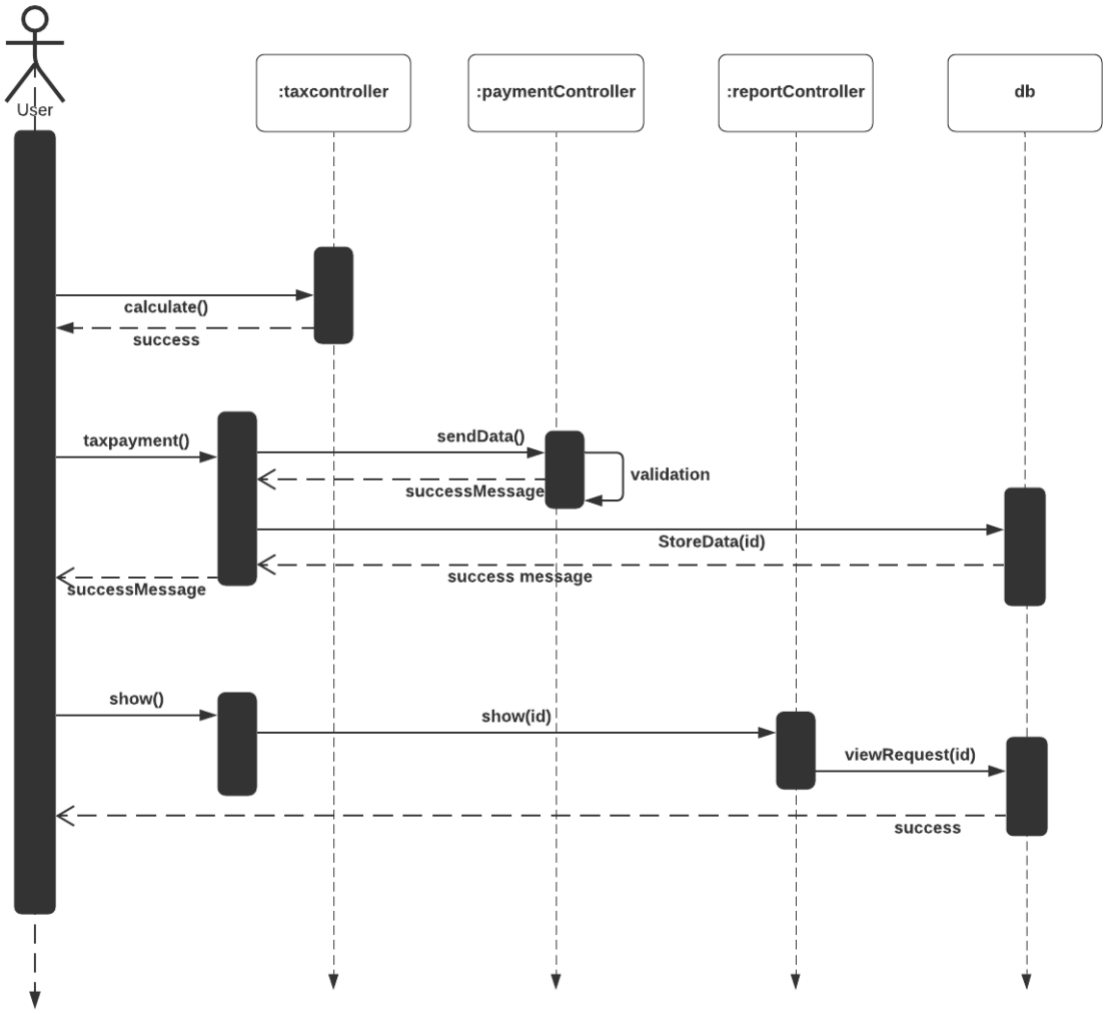


Figure 3.19: User Sequence Diagram

© Daffodil International University

3.20 Police officer

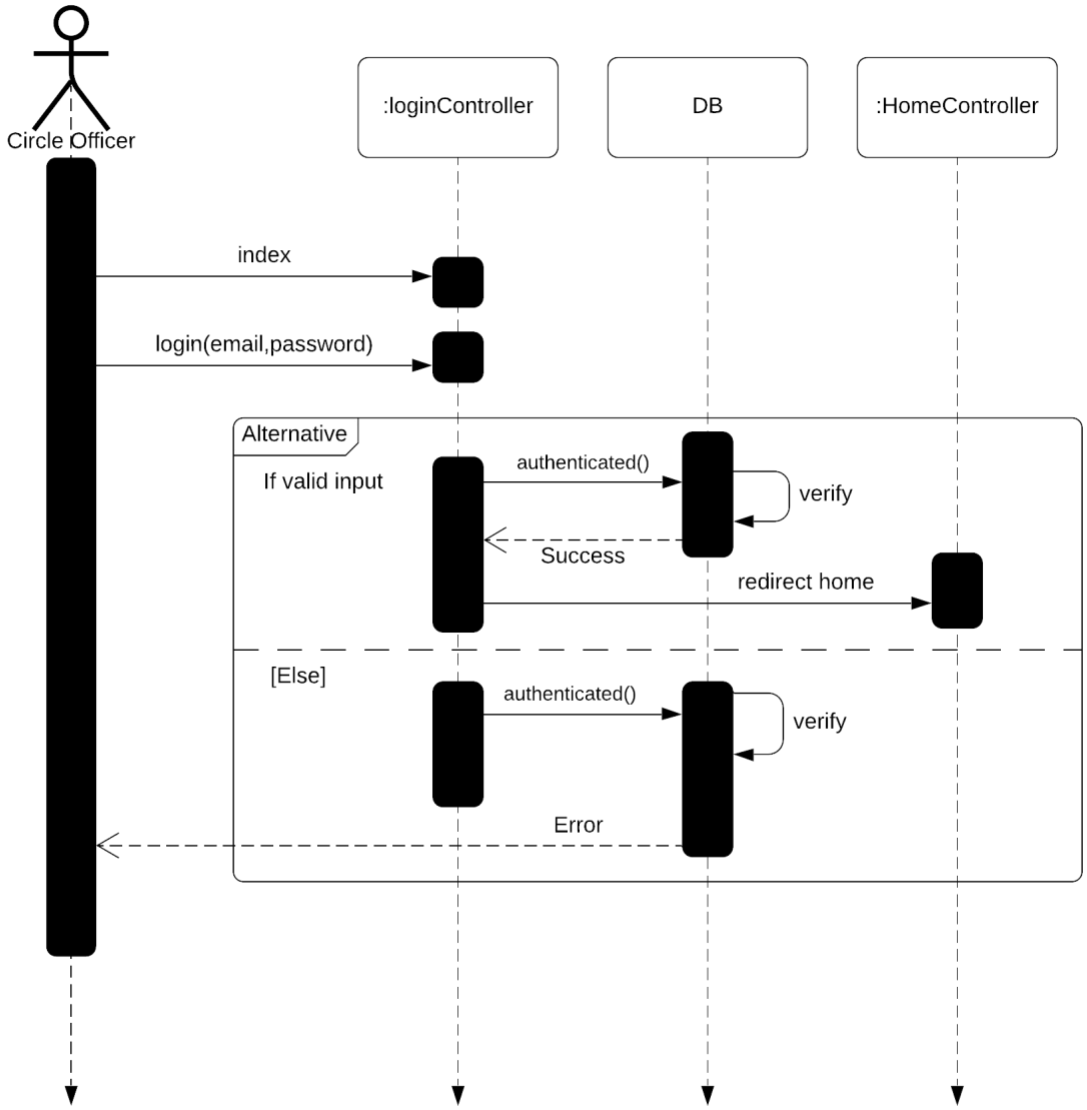


Figure 3.20: Police Officer Sequence Diagram

© Daffodil International University

3.21 District Officer

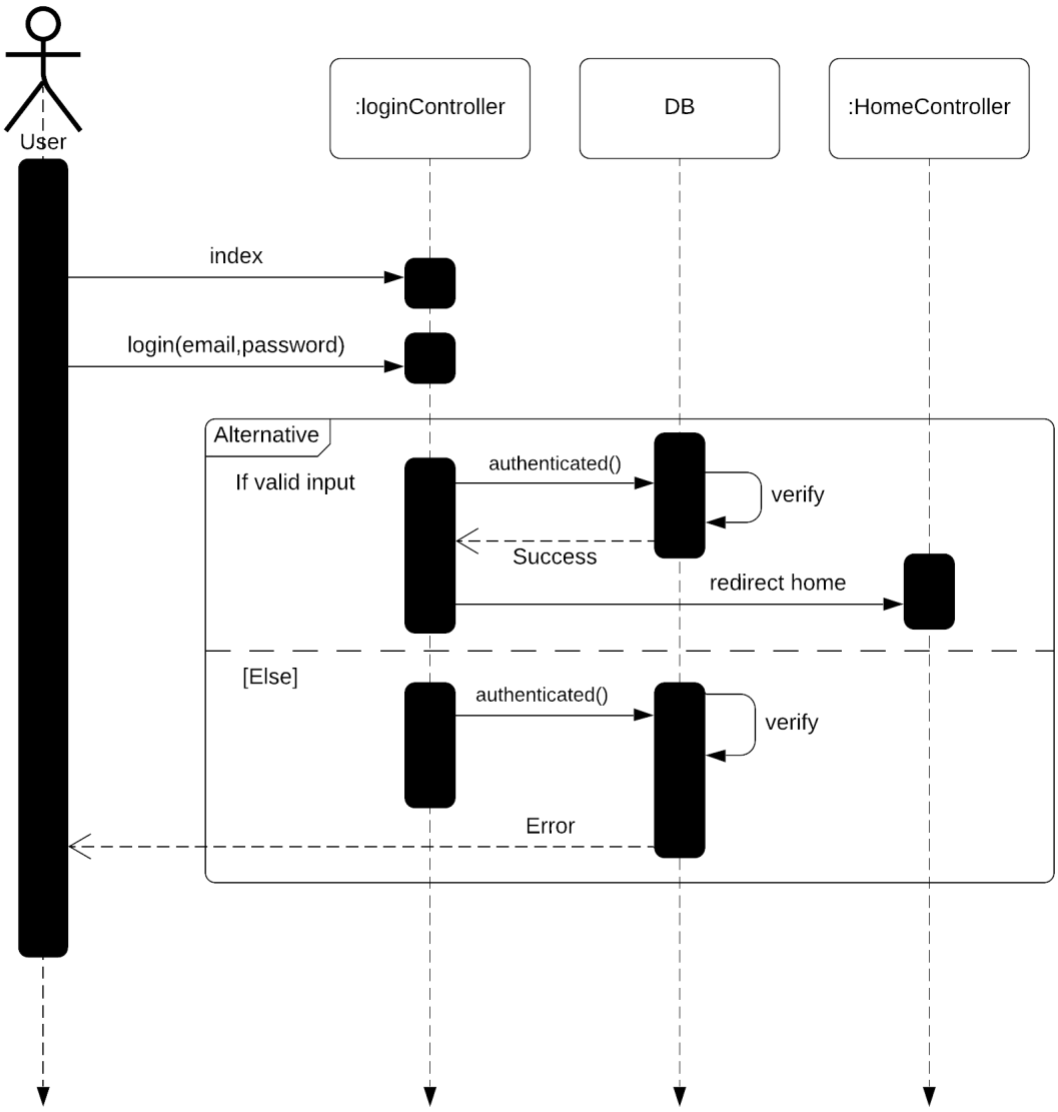


Figure 3.21: District Officer Sequence Diagram

© Daffodil International University

3.22 System Entity Relation Diagram

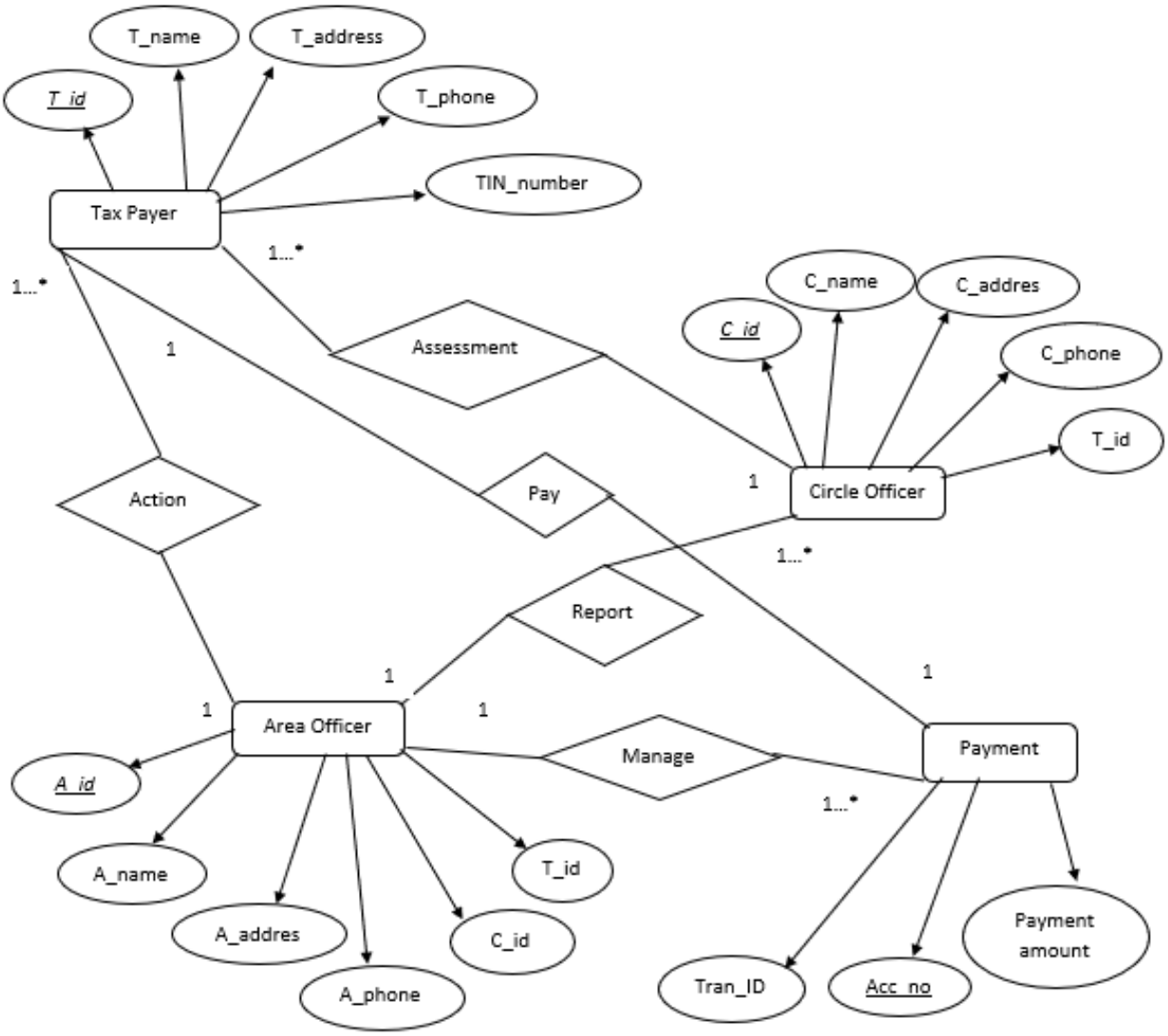


Figure 3.22: Entity Relation Diagram

© Daffodil International University

3.23 Constraints in Design and Implementation

3.24 Framework or Language for Software:

A bootstrap prototype and the Laravel framework are used to create the "Tax Payable System" user interface, while a MySQL database houses the data.

3.25 Development Technologies and Tools:

- IDE: Sublime Text
- Database: MySQL
- USER INTERFACE: HTML, CSS, Bootstrap, JavaScript
- Framework: Laravel 6
- Language: PHP
- Web-Server: XAMPP Server

3.26 Project Management

3.27 Model for Software Process

The first Process Model to be adopted was the Waterfall Model.. In a waterfall model, there is no overlap between the stages; Every stage needs to be finished before moving on to the next. The waterfall model was the first software development life cycle method. Using "The Waterfall" technique, the complete software manufacturing process is split into phases. One step's outcome forms the basis for the one that follows. This implies that the beginning of the subsequent step of the production process occurs only after the completion of the preceding stage. Under the waterfall model, the steps of conception, initiation, analysis, design, construction, testing, production/implementation, and maintenance are all seen as continuously flowing downward (like a cascade).

Often called a model of the linear sequential life cycle, the waterfall model, illustrates the software development process as a linear sequential flood.

© Daffodil International University

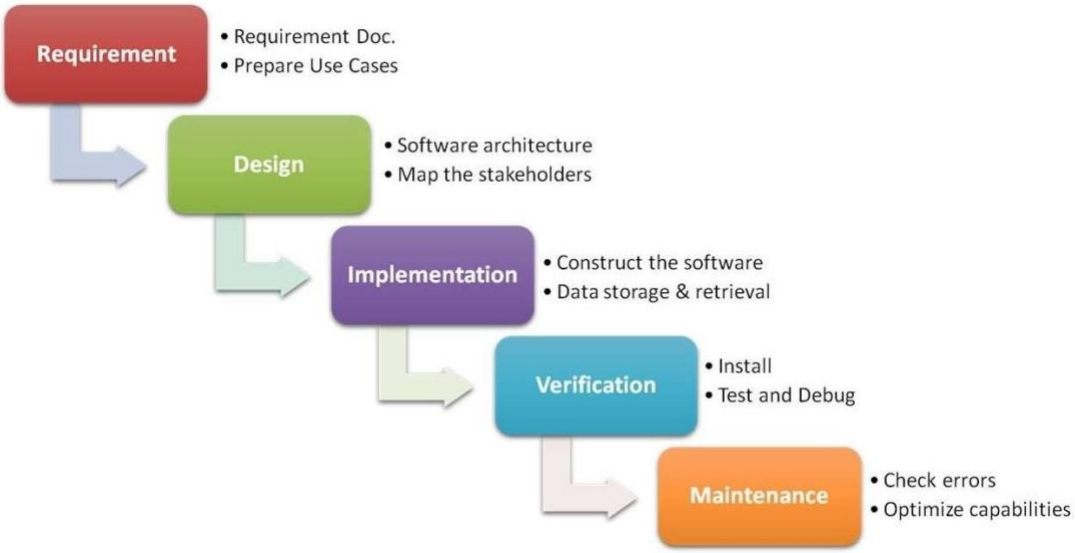


Figure3.27: Waterfall Model

© Daffodil International University

SECTION 4

TESTING OF THE SYSTEMS

4.1 Testing features

Making sure there are no faults in the system and that the actual results match the intended ones is the process of testing. One approach to provide flexibility for a project or modification that is currently underway is to test features.

4.2 Testable characteristics

The following characteristics are included:

- Login
- Calculating Taxes

4.3 Testing Techniques

Test methodologies use a distinct approach to each component of the software. It is a thorough set of instructions for completing the scenario's steps and the test. It illustrates the methodology to be used as well as the modules that require examination.

4.4 Test Method

Verification is one of the most important aspects of any software project. It shows how useful applications are. It assists in finding bugs and problems in programs as well. The user consequently believes that the software is straightforward and error-free. I manually assessed and validated each piece of work without utilizing any automated technologies.

4.5 Testing Category

- Testing for Intergration
- Testing of Modules

4.6 Success/Failure Standards

The test engineers will decide what passes and fails in the test. It all depends on how well each criterion cooperates with the others. A test will be considered successful or unsuccessful whenever the results are satisfactory. I'm positive that I'll graduate with honors in any situation. Incorrect performance of a function during testing would be regarded as an error.

© Daffodil International University

4.7 Environment for Testing

There are a few crucial places to prepare for testing

- System of Operations
- Web Browser
- Operating System
- Usage
- Database management system
- Test information
- Data Set

© Daffodil International University

4.8 Test Cases

T.C. No-1 (Integration Examination)

T.C. Identity.1	Dataset name: The User, Police Officer & District Officer
Priority of Test: High	Test Date: 26.11.2022
Test Description: Validating the Officer's and User's Email Address and Password	Test carried out by: Md. Sadman Sakib Khan
Description: Examine the officer's and user's login page	Test executed date: 26.11.2022
Priorities:	Users must have a valid password and email address.
Test steps:	1. Visit the login page 2. Enter a valid email address & password 3. Select the Sign in button
Test Data:	User's: Email: userabcd@gmail.com Password: abcd Officer's: Email: sadman@gmail.com Password: abcd45685
Goals Anticipated:	It's imperative that the user can log in
Realistic Outcome:	User successfully logged in
Pass/Fail status:	Passed
Following-condition:	User Logged in Successfully

Table 4.8.1: T.C. For User and Officer

© Daffodil International University

© Daffodil International University

T.C. No-2 (Module Examination)

T.C. Identity.2	dataset name: Calculating Tax
Priority of Test: High	Test Date: 26.11.2022
Test Title: Add teacher with validation	Test executed by: Md. Sadman Sakib Khan
Body: Tax Calculation	Test executed date: 26.11.2022
Priorities:	User needs to log in and enter correct data
Test procedures:	1. Once logged in, select Tax computation 2. Click to calculate taxes 3. Enter data into each field 4. Press the Submit button
Test Data:	
Goals Anticipated:	Successful User Addition
Realistic Outcome:	Successful User Addition
Pass/Fail status:	Passed

Table 4.8.2: T.C. for Add Teacher

© Daffodil International University

SECTION 5

MANUAL FOR USERS

5.1 Page One

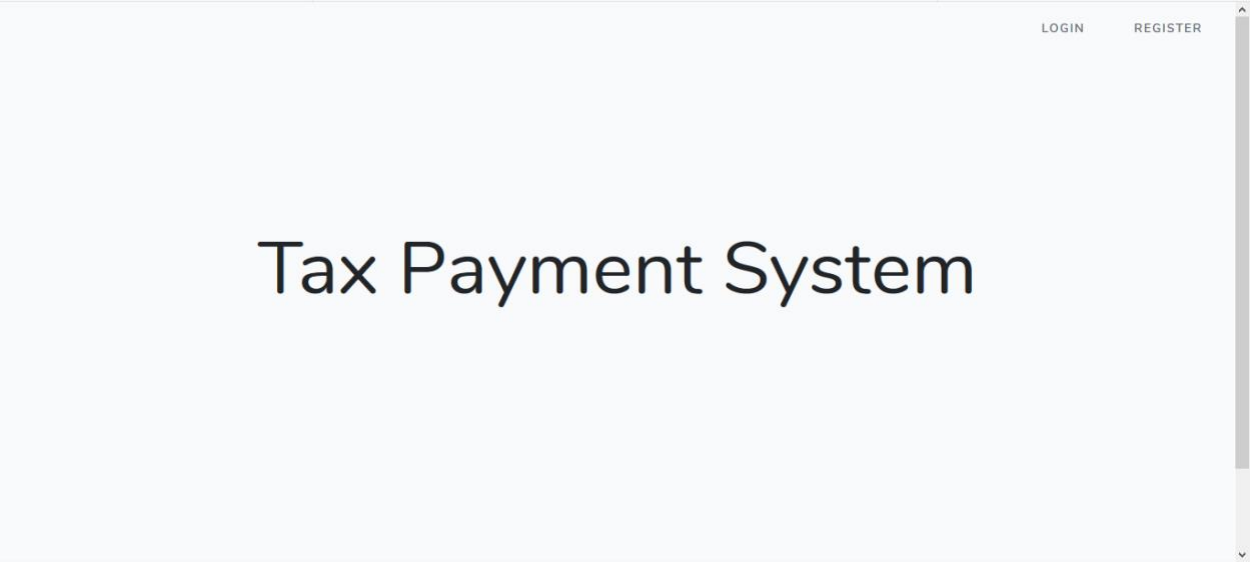


Figure 5.1 Page One

5.2 The User login

The administrator will use their email address and password to log in on this page.

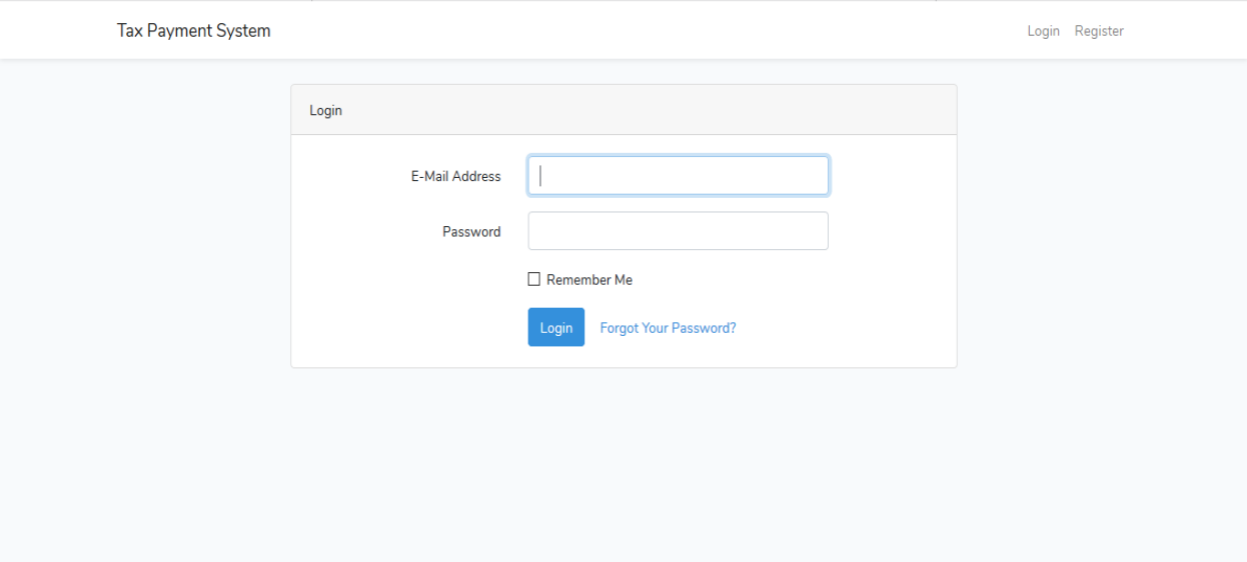


Figure 5.2 USER INTERFACE (User login page)

© Daffodil International University

5.3 The User Dashboard

Users get full access to the data dashboard and menu.

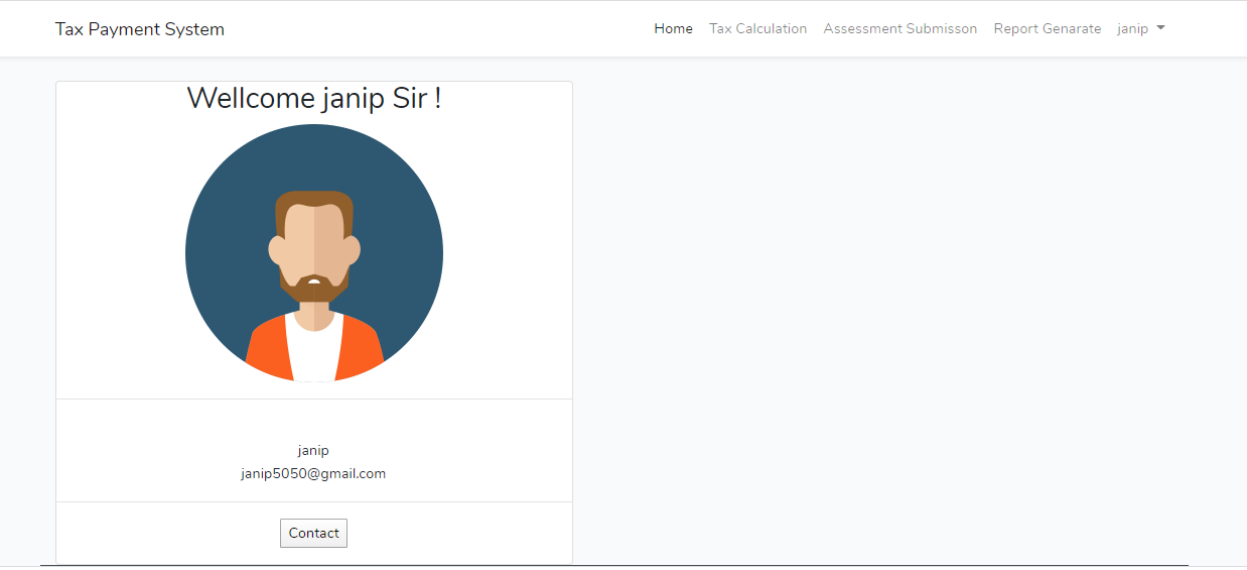


Figure 5.3 USER INTERFACE (User Dashboard)

5.4 Calculating Tax

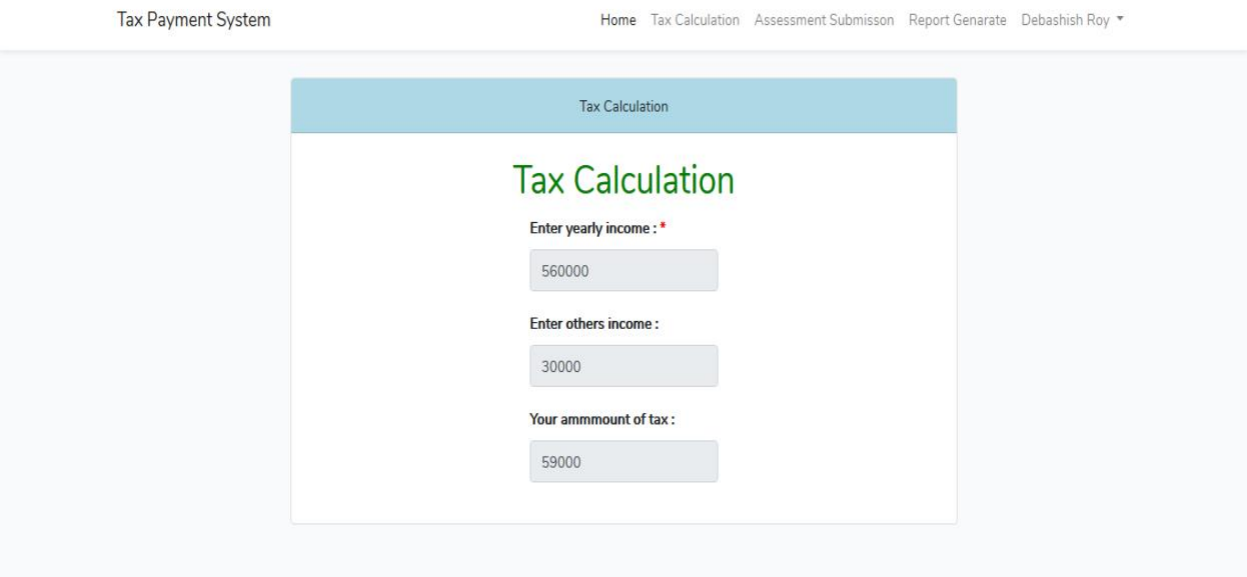


Figure 5.4 USER INTERFACE (Tax Calculation)

© Daffodil International University

5.5 Taxpayable Form

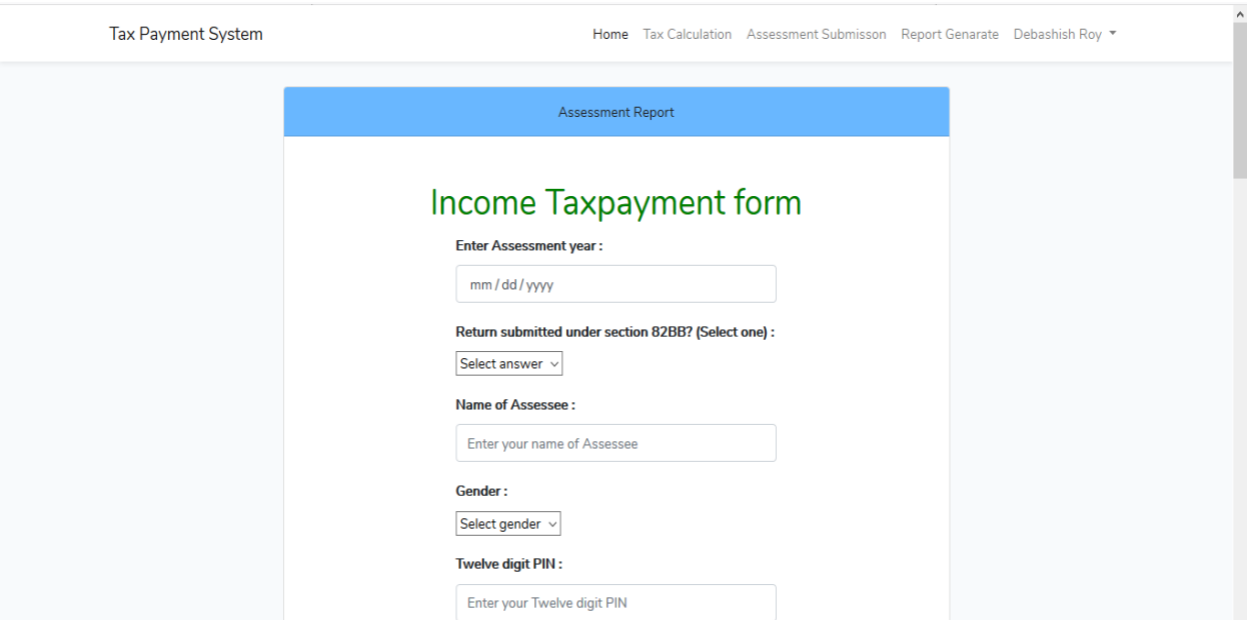


Figure 5. USER INTERFACE (TaxPayable Form)

5.6 Assessment report Download

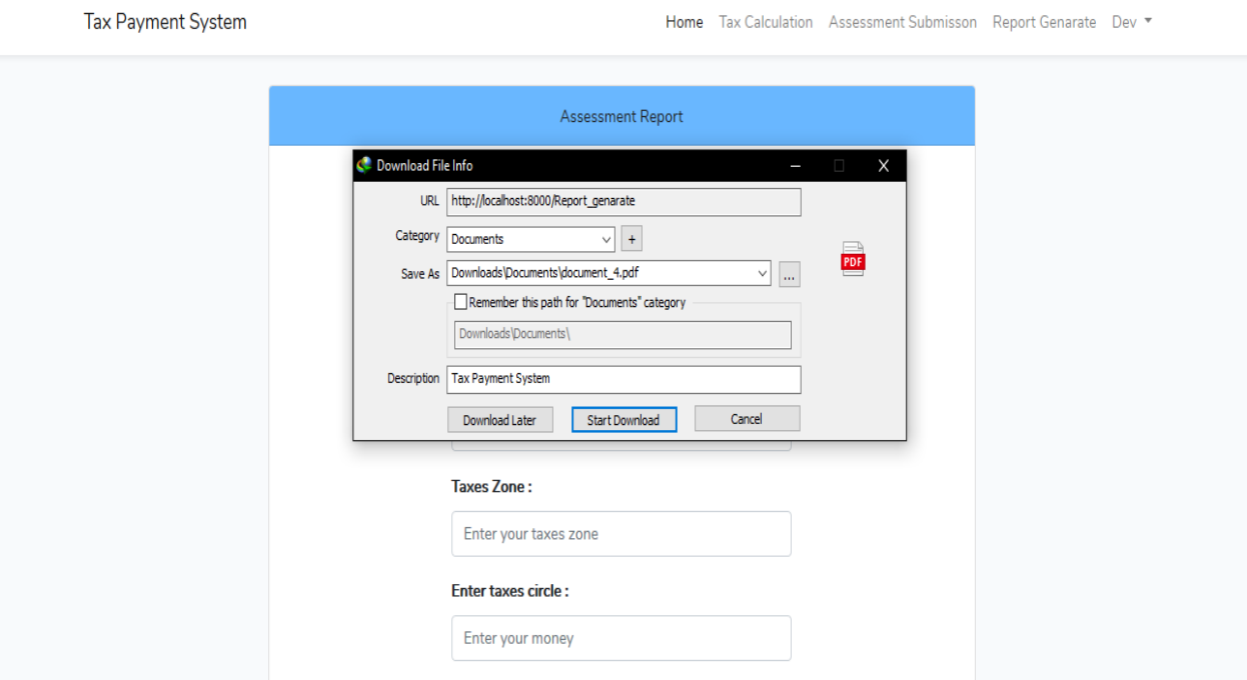


Figure 5.6 USER INTERFACE (Assessment report)

© Daffodil International University

5.7 The User Detail's page

Figure 5.7 USER INTERFACE (User Details)

5.8 Mailtrap

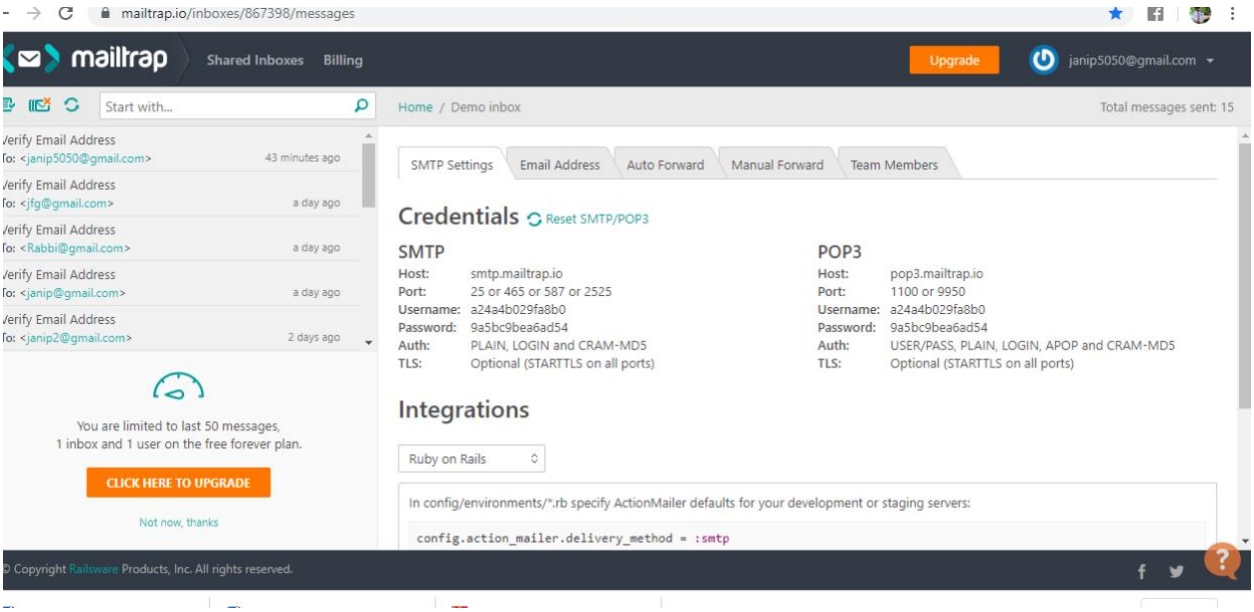


Figure 5.8 (Mailtrap)

© Daffodil International University

SECTION 6

SUMMARY OF THE PROJECT

6.1 GitHub Link

https://github.com/allinonesolutionastaxpaymentsystem

6.2 Restrictions

I had to overcome a lot of challenges along the road. I haven't yet been able to get over these challenges, despite the fact that I'm still studying the required technologies. However, If I have enough time, I am confident I can research challenging subjects and greatly enhance the code.

Version for mobile: The fact that it is a travel-related app makes the user choose to use it on their mobile device. I was unable to make the program mobile-friendly because I was short on time and ignorant about mobile devices.

6.3 Challenges and Successes

I've learned much too much that is helpful to developers since the process began.

I don't even know where to start with designing something; I don't know how to develop algorithms or draw diagrams for projects like database design. I didn't know what an algorithm was before, or how much of one a programmer needed to build a project. The language I chose to create this framework has several essential components that are crucial. I make sure the project USER INTERFACE and database design are finished before beginning the logical section because if they are, running the code will be simple. In conclusion, finishing this program was a significant turning point in my life.

6.4 Future Scope

High-quality software is currently being developed. I'm making every effort to meet the actual requirements for this phase of the process. However, there is still room for development. I've begun the program and am putting a lot of effort into creating a top-notch system.

© Daffodil International University

6.5 References

[1] "createtively," createtively, 2008-2022. [Internet]. Accessible: https://createtively.com/. [Previewed 2022].

[2] AdminLTEF, "AdminLTEF," AdminLTEF, 2015-2020. [Internet]. Accessible: https://adminlte.io/. [Previewed 2022].

© Daffodil International University

6.6 Plagiarism Report

© Daffodil International University