



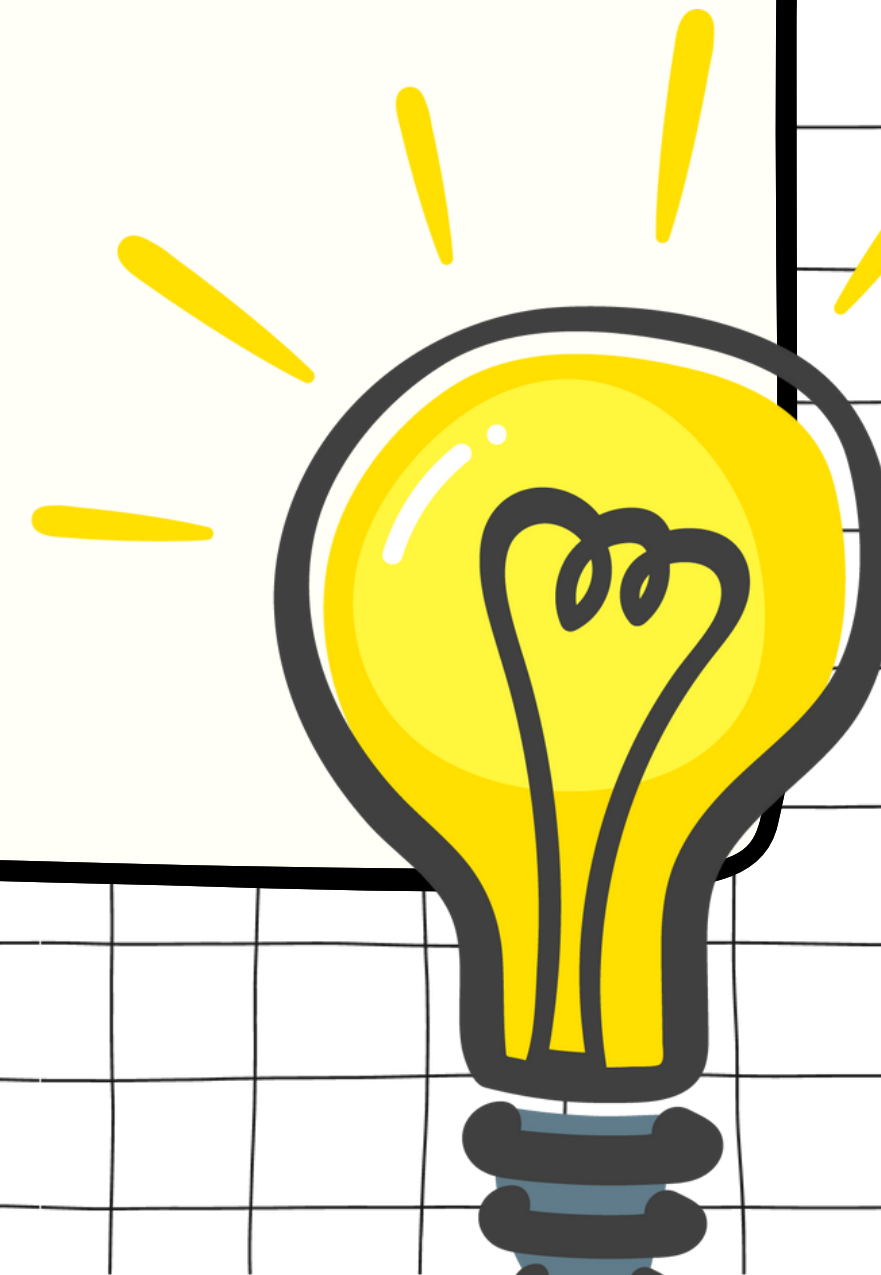
Program Academic

Accreditation System

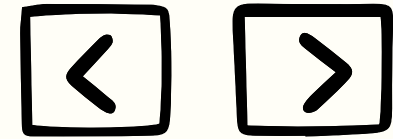
Student Name: Darrell Beckley Anak Johnson

Student ID: 17075190/2

Supervisor: Prof. TS. Dr. Rafidah binti MD Noor



Contents



01

Introduction

02

Problem
Statements

03

Objectives

04

Literature Review

05

Methodology

06

Skateholder

07

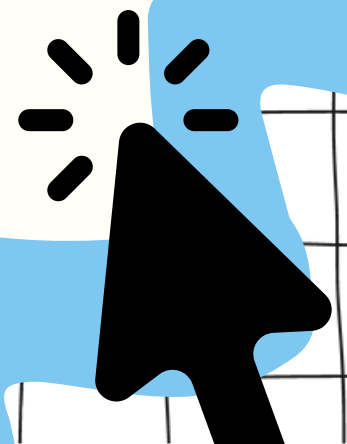
Project
Requirements

08

Analysis & Design

09

Technical
Implementations



01. INTRODUCTION

- Program Academic Accreditation System is a system that used to assure the quality of the higher education institutions.
- It will be used to evaluate the courses offered for the students in the institution.
- The goals of this system is to ensure that the courses offered to the students is relevant and can achieve the goals of the qualifications of the courses.
- The system will have its own panel to justify the whole process to accredit the course.

System Accreditation | Stiftung Akkreditierungsrat. (n.d.).
<https://www.akkreditierungsrat.de/en/accreditation-system/system-accreditation/system-accreditation>



02. PROBLEM STATEMENTS



01

Admin missed out on some courses accreditation due to the data being unorganized.



02

Some courses did not submit the accreditation even after the deadline has passed.



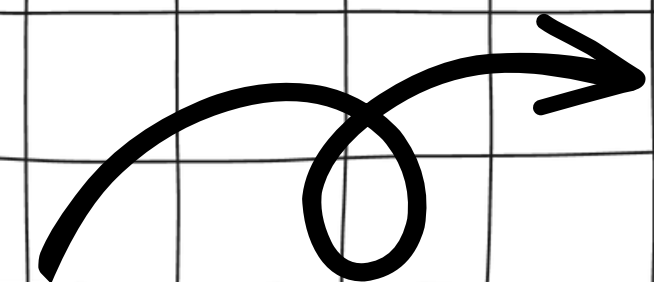
03

There are no centralized way to view the data for the courses making it harder to keep track for accreditation purposes.






03. OBJECTIVES



To develop a Programme Academic Accreditation management system based on user requirements for Quality Management and Enhancement Centre (QMEC), Universiti Malaya.



To develop a alert system for admins and user for the management system.



To visualize the data of users in the form of chart.



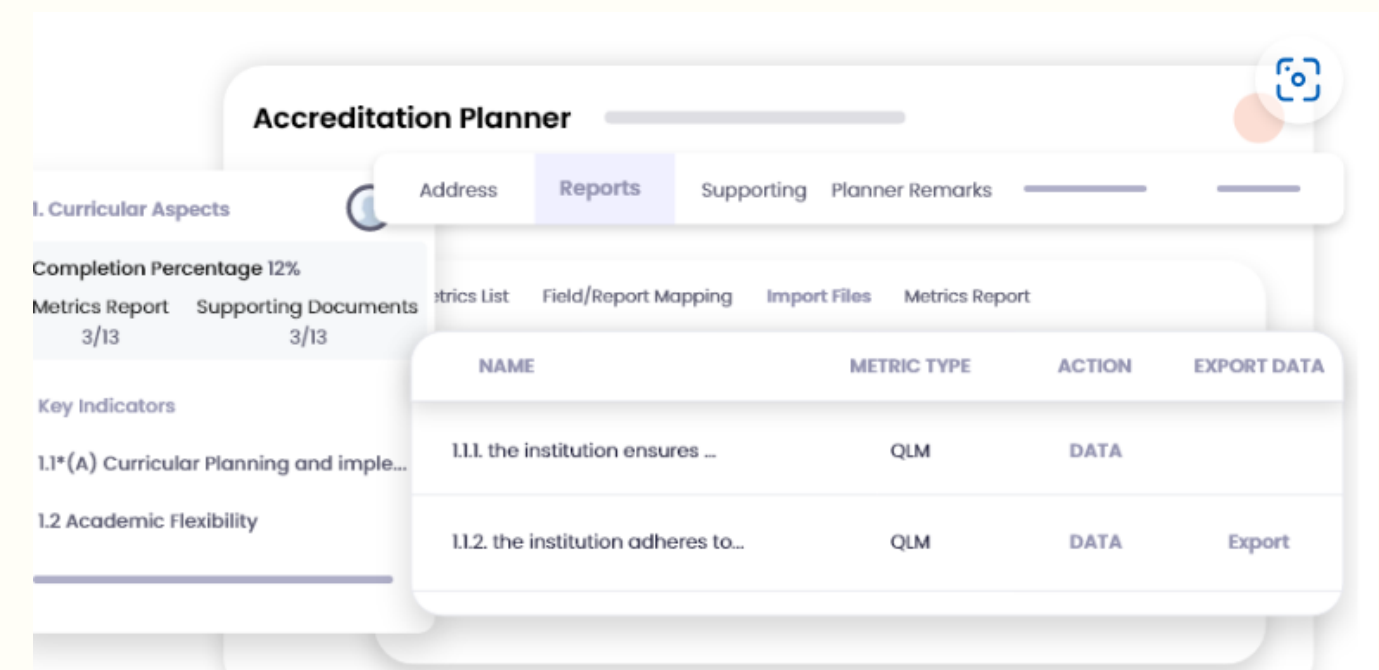
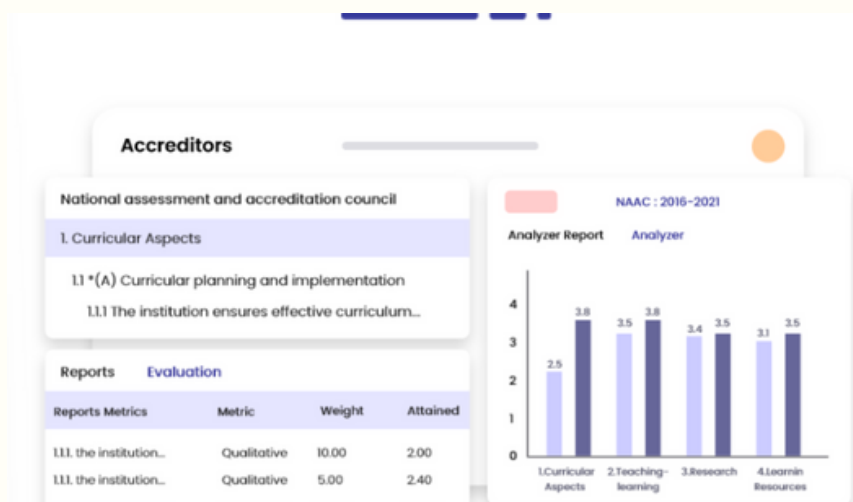
04 LITERATURE REVIEW

Existing Systems

Accreditation Management Software by Creatrix Campus

Accreditation Management Software by Creatrix Campus

- The system allows the user to submit the documents and analyse the quality of the course based on their weightage system.
- Besides, this system is more onto the analytics part as they use the Power BI to do the different charts.
- The dashboard has different varies that allowed the user to do the analysis based on criteria-wise and metric-wise.

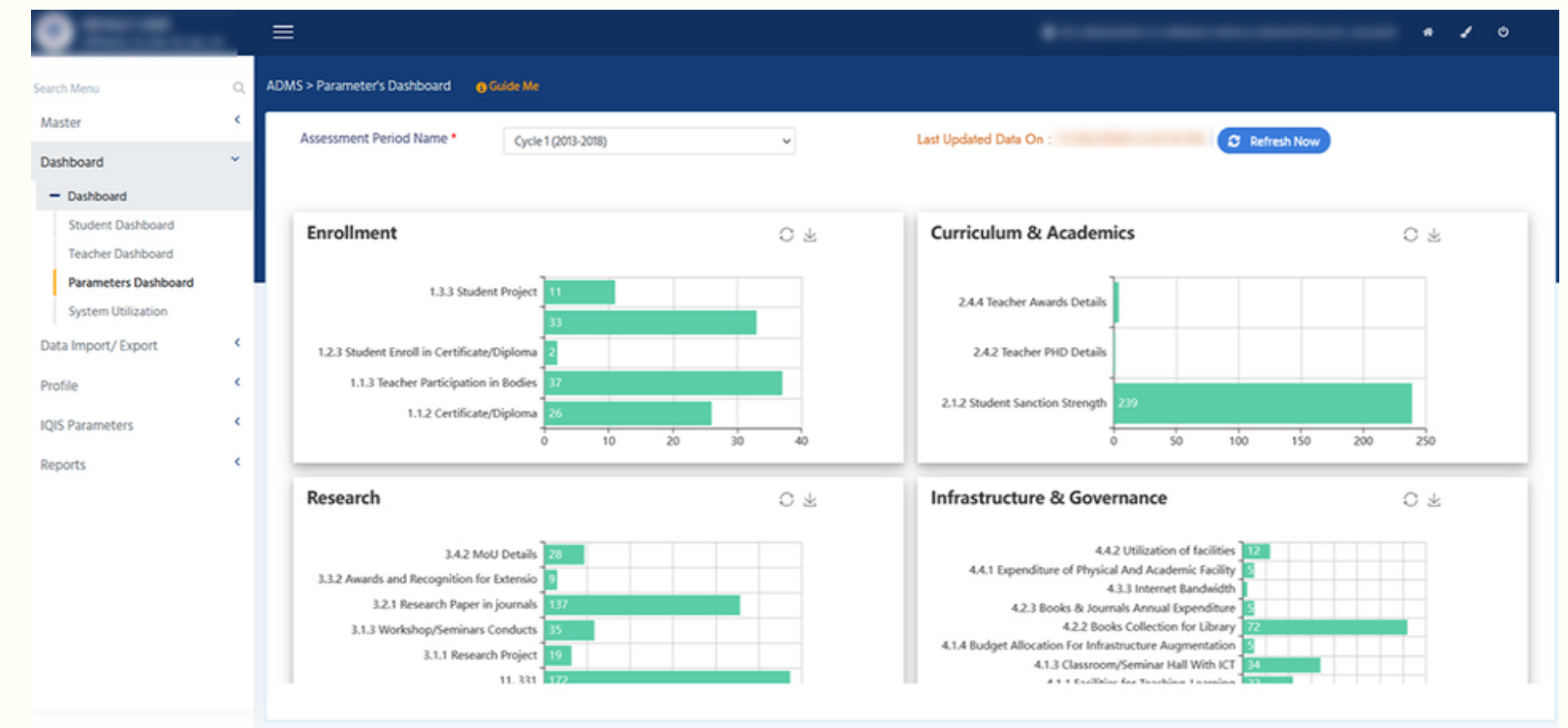
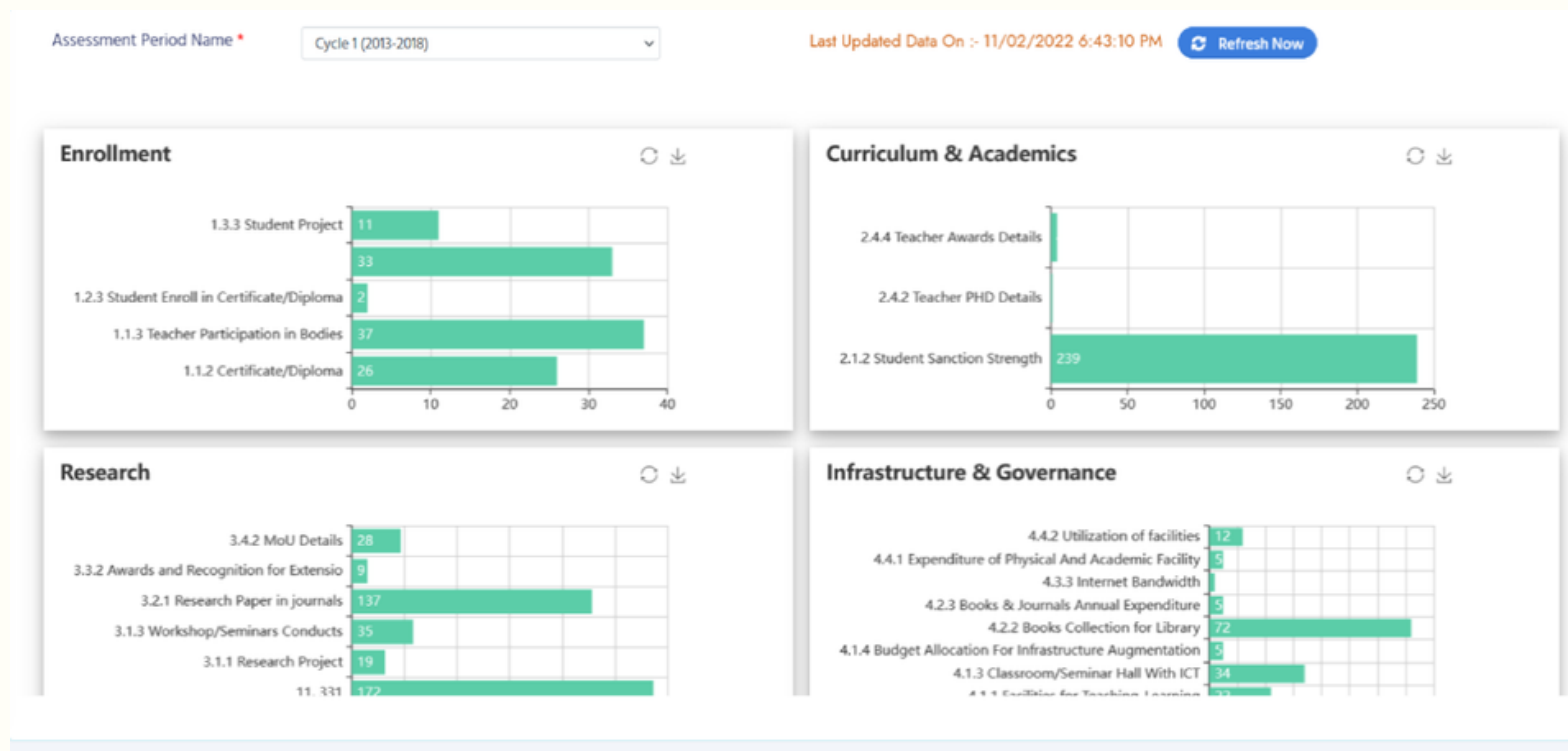


04 LITERATURE REVIEW

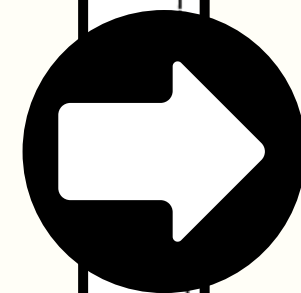
Existing Systems

Accreditation Data Management System by MasterSoft

- Allows users to send data accurately
- Provides graphical tools for visualization of data
- Provides multiple users to submit multiple data for the accreditation



05 METHODOLOGY: AGILE



METHOD	DESCRIPTION
Requirement gathering and analysis	Define the requirements and plan for the time frame
Design	Work on the user requirements and system's flow using UML diagram
Construction	Building the website within the time frame
Deployment	Deploy the system for UAT
Testing	Examine system's performance and look for bugs
Feedback	Acquire the feedback from the stakeholder

06 STAKEHOLDER

● ● ●
**Quality Management
and Enhancement
Center (QMEC),
Universiti Malaya**



07 Project Requirements

Functional Requirements:

There are 6 modules:

- 01** Admin's dashboard
- 02** Login
- 03** Register
- 04** Notifications on the expiration of the documents
- 05** Upload of the documents
- 06** Approve or reject of the documents

There are 2 roles:

- 01** Faculty User
- 01** Central Office (Admin)

07 Project Requirements

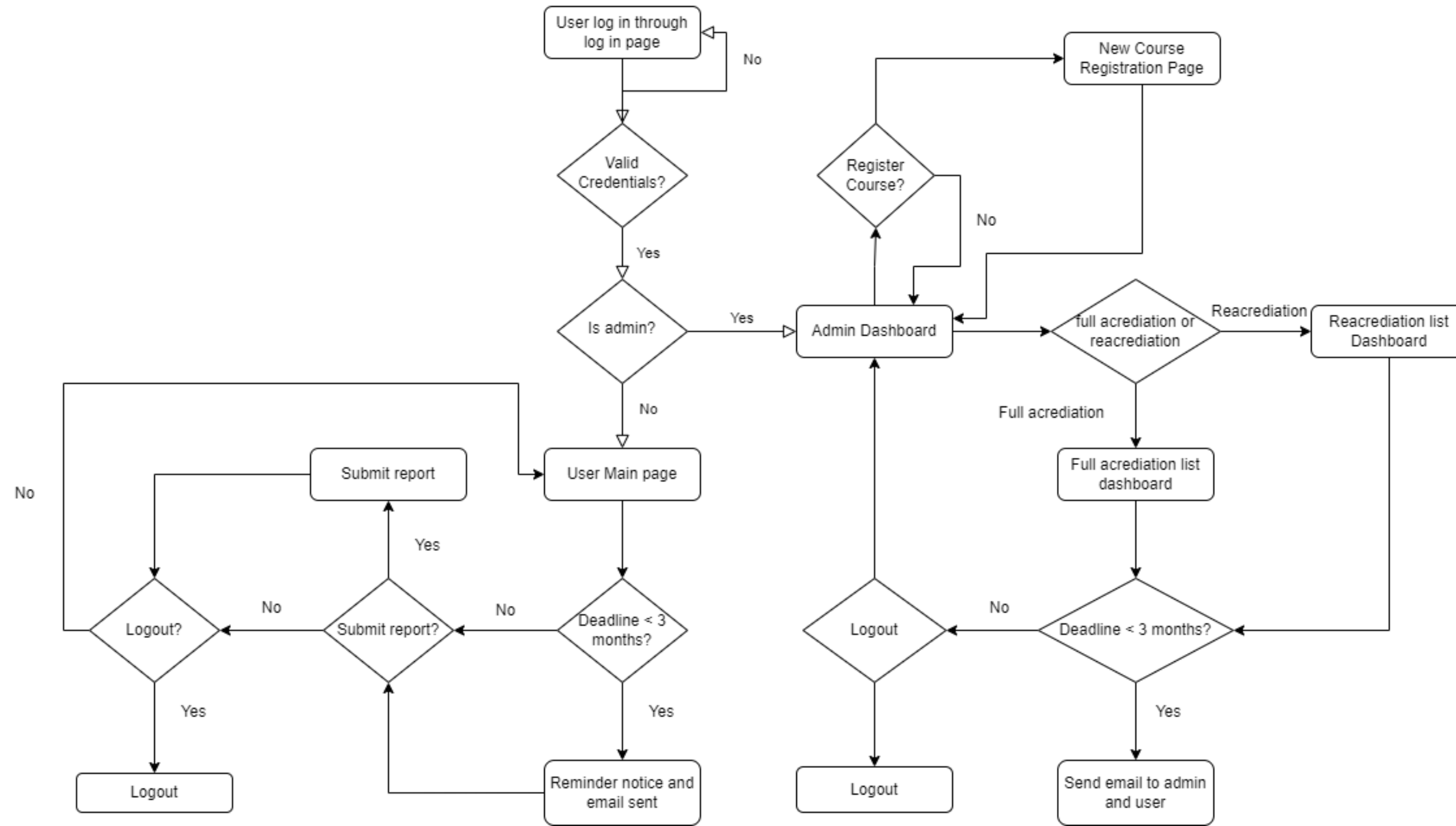
Quality Requirements:

No	Requirements	Priority
1	The system shall provide an easy-to-use interface	Usability
2	The system shall operate on Google Chrome, Mircosoft Edge, Firefox, and Safari.	Portability
3	The system shall allow only authorized user to login the system.	Security

08 ANALYSIS & DESIGN

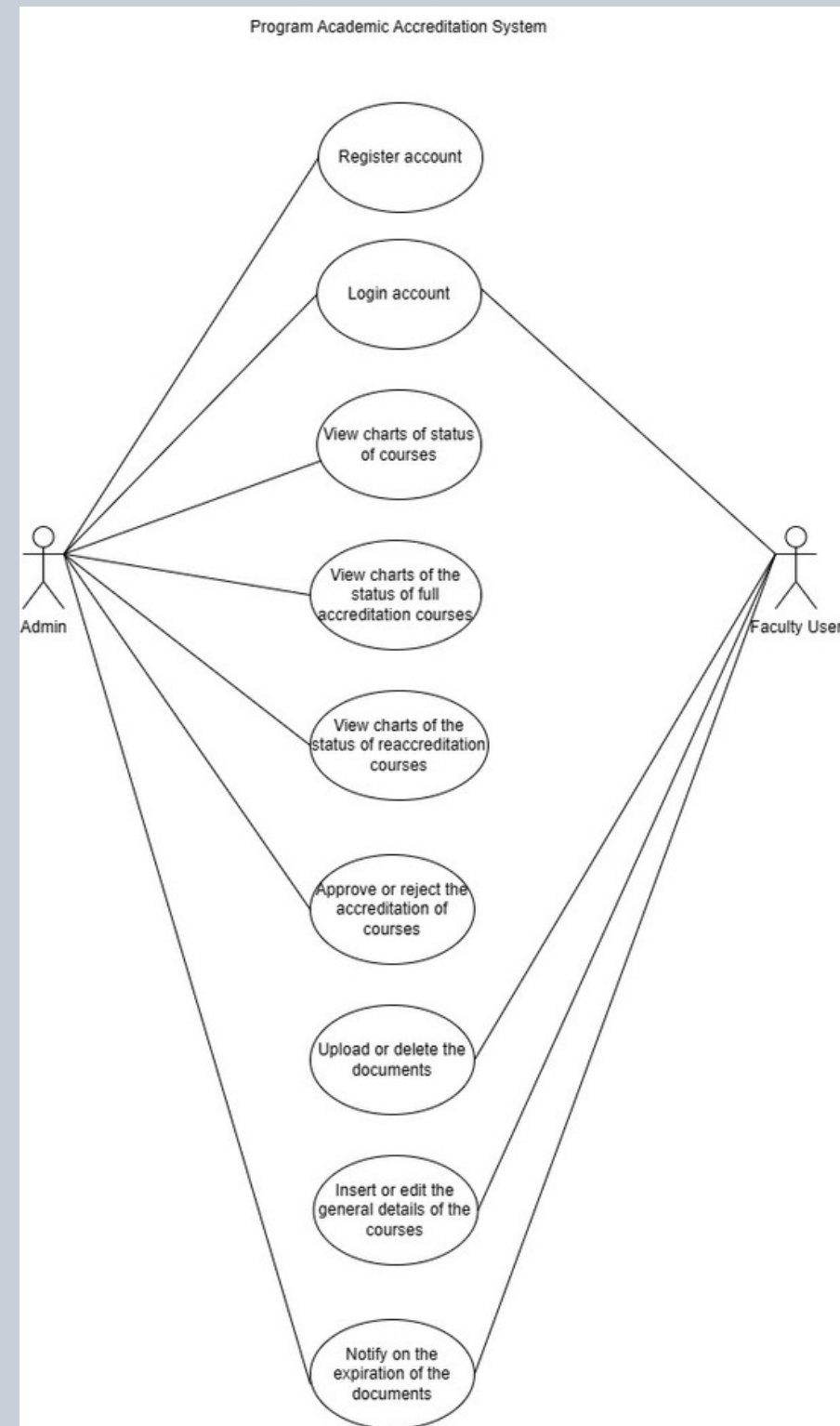
Flowchart

Flowchart



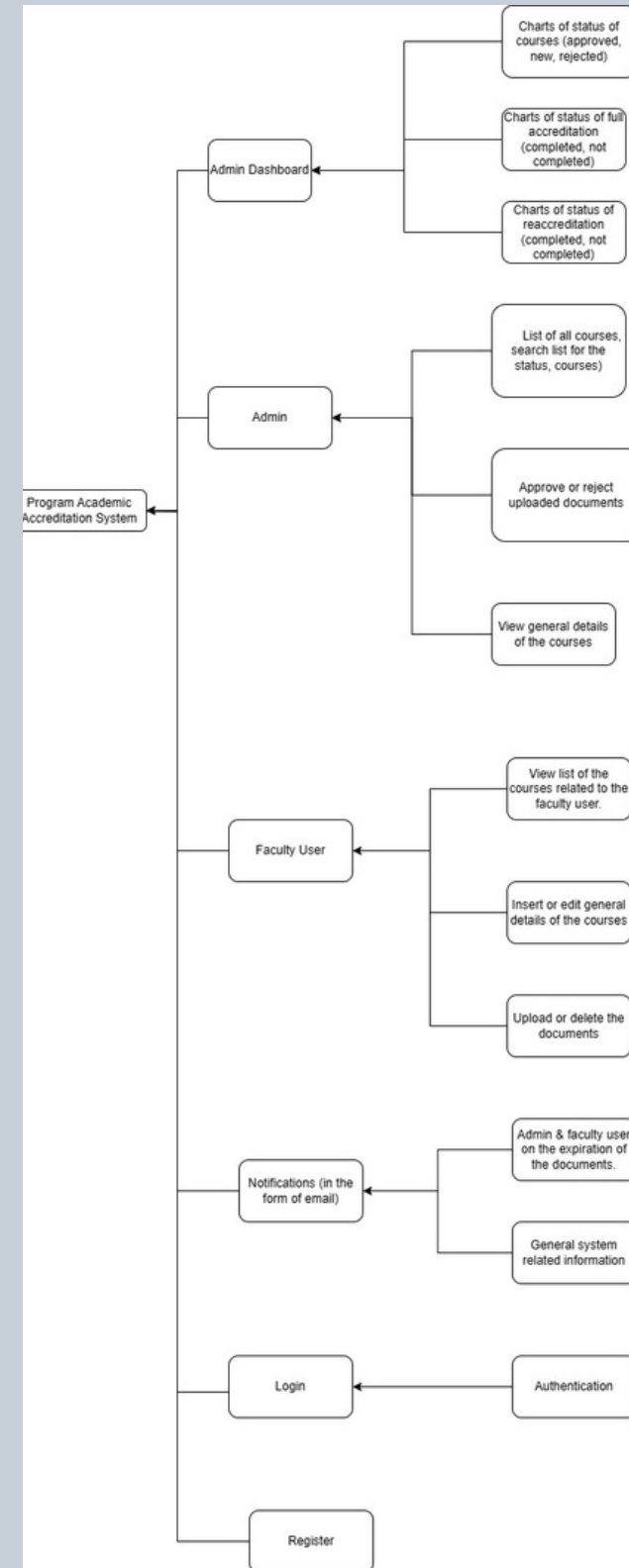
08 ANALYSIS & DESIGN

Use Case Diagram



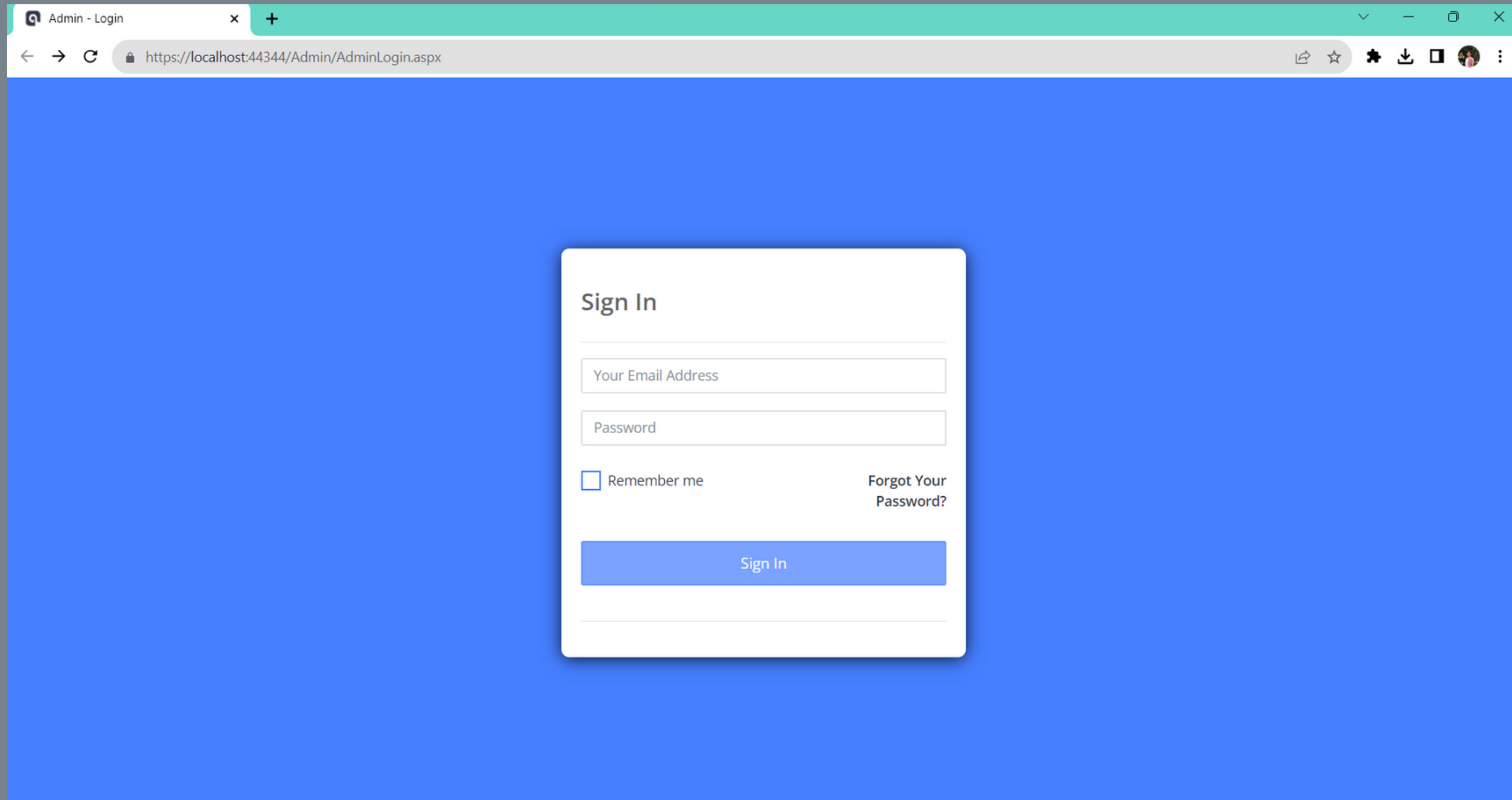
08 ANALYSIS & DESIGN

Module Diagram



08 ANALYSIS & DESIGN

Flowchart



The image shows a web browser window with a single tab titled "Admin - Login". The address bar displays the URL "https://localhost:44344/Admin/AdminLogin.aspx". The page has a solid blue background. In the center, there is a white rectangular box with a subtle drop shadow, containing the "Sign In" form. The form includes a title "Sign In", two input fields for "Your Email Address" and "Password", a checkbox for "Remember me", a link for "Forgot Your Password?", and a blue "Sign In" button.

Admin - Login

https://localhost:44344/Admin/AdminLogin.aspx

Sign In

Your Email Address

Password

☐ Remember me

[Forgot Your Password?](#)

Sign In

09 Technical Implementations

Mastery of Tools

Web Application Framework



ASP .NET Framework

- It is an open-source framework.
- It has cross-platform support.
- Implement the Model-View-Controller design.
- It offers different packages such as NuGet Package for web development and dashboard.

Programming Languages



- C# for the backend development of the website.
- JavaScript for the interactive front-end of the website.



Database

- Microsoft SQL Server is used for the database of the system.
- It is compatible with the ASP .NET Core framework.
- It can schedule the email sending for the notification module using SQL Server Agent.





Thank you

