



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECP3106 APPLICATION DEVELOPMENT (WBL)

SEMESTER 2 2024/2025

INDIVIDUAL TEST:

FYP1 SYSTEM PROJECT REPORT

SECTION: 02

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1.0 Introduction

This project report documents the design and development of the FYP1 System, a web-based application created to streamline and centralize the administrative and academic workflows of the Final Year Project 1 (FYP1) process. The application provides a platform for five key user roles who are Admin, Student, Supervisor, Evaluator and Committee, to manage the entire proposal lifecycle, from initial student registration and supervisor selection to proposal submission, evaluation and feedback.

Developed according to the specified technical requirements, the system is built on the .NET 9 platform using C#, features a responsive user interface for accessibility across various devices and utilizes an SQL Server database for data persistence. The resulting deliverable is a localhost fully working prototype. In summary, the FYP1 System successfully fulfills its objectives by providing a comprehensive, user-friendly solution that enhances the efficiency and transparency of the FYP1 process for all stakeholders involved.

2.0 Software, Language, Tools, API, Templates Used

2.1 Software

The application is architected as an ASP.NET Core Web Application built upon the .NET 9 Software Development Kit (SDK). For data persistence, the system utilizes a developer-focused instance of Microsoft SQL Server (localdb), providing a lightweight yet powerful database environment suitable for a prototype system.

2.2 Programming Language(s)

The entire backend logic, including controllers, data models and business services, was implemented in C#. The user interface views were dynamically rendered using the Razor templating engine, which seamlessly integrates server-side C# with client-side HTML, CSS and JavaScript. Transact-SQL (T-SQL) was used implicitly by the Object-Relational Mapper (ORM) for all database operations.

2.3 Development Tools & IDE

The primary development environment was Microsoft Visual Studio, which provided a comprehensive suite of tools for coding, debugging and project management. The dotnet Command-Line Interface (CLI) was leveraged for core tasks such as running the application and managing database migrations. Entity Framework (EF) Core tools were essential for implementing the code-first database approach and handling all schema migrations.

2.4 Database

The system's data layer is powered by Microsoft SQL Server (localdb), with the connection configured in the appsettings.json file. Database schema and table management were handled programmatically using Entity Framework Core Migrations. This code-first approach ensures that the database structure is version-controlled alongside the application source code.

2.5 Frameworks/Libraries

The project is built on robust and industry-standard frameworks and libraries.

- **ASP.NET Core MVC**

The core framework provides the Model-View-Controller (MVC) architectural pattern, which ensures a structured, testable and maintainable application.

- **Entity Framework Core**

The high-performance, cross-platform Object-Relational Mapper (ORM) used to abstract all database interactions into C# objects.

- **ASP.NET Core Identity**

A complete framework that provided the solution for user authentication and role-based authorization, with its UI components scaffolded via Microsoft.AspNetCore.Identity.UI.

- **Bootstrap 5**

The responsive, mobile-first CSS framework used to ensure a consistent and modern user interface across all devices.

- **jQuery**

A versatile JavaScript library utilized for enhancing client-side interactivity, event handling and DOM manipulation.

2.6 APIs Used

The FYPI System does not consume any third-party or external web APIs. All functionality is handled internally by leveraging the rich APIs provided by the chosen frameworks, primarily the ASP.NET Core Identity API for managing user accounts and roles, and the Entity Framework Core API for all data manipulation and querying operations.

2.7 Project Templates Used

The project's foundational structure was generated from the standard ASP.NET Core Web App (Model-View-Controller) template in Visual Studio. To expedite the implementation of security features, the ASP.NET Core Identity Scaffolding tool was used to generate the necessary UI pages and backend logic for user registration, login and account management. This template also provided the default integration of Bootstrap 5 for styling.

3.0 Development Steps

The development of the FYP1 System was executed through a structured, iterative methodology, breaking the project into distinct phases to ensure all requirements were met systematically. This approach enabled organized progress from initial planning through to final deployment.

3.1 Phase 1: Planning and Design

The project began with a thorough analysis of the requirements outlined in the project brief. The initial step involved designing the database schema, which included defining all necessary entities (such as Users, Lecturers and Proposals), their attributes and the relationships between them. This conceptual model was captured in an Entity-Relationship Diagram (ERD). Concurrently, the project was structured in Visual Studio using the ASP.NET Core MVC template with integrated ASP.NET Core Identity. This established the foundational architecture and security framework.

3.2 Phase 2: Backend Development

Upon completion of the design, development focused on the application's backend. C# model classes were created to represent the database entities and the DbContext was configured for Entity Framework Core, bridging the application logic and the database. The security model was implemented by defining the five distinct user roles (Admin, Student, Supervisor, Evaluator, Committee) and securing application controllers and actions with authorization attributes. Following this, the core business logic for each role's functionality was developed, including CRUD operations for administrative tasks, the proposal submission workflow for students and the evaluation assignment logic for the committee.

3.3 Phase 3: Frontend Development & UI

The next step was to concentrate on the user-facing aspects of the system. Razor views (.cshtml files) were created for each required function, providing intuitive interfaces for each user role. The responsive design requirement was met by using the Bootstrap 5 framework, particularly its grid system and pre-styled components. This ensures a consistent and accessible user experience. JavaScript and jQuery were utilized to add client-side validation and enhance user interactivity where needed.

3.4 Phase 4: Testing and Refinement

Testing was conducted continuously throughout all phases of development. As each feature was completed, it underwent component-level testing to verify its individual functionality. This was followed by end-to-end workflow testing, where user journeys were simulated to ensure data integrity and correct process flow. For example, tracking a proposal from submission by a student, through review and assignment, to final evaluation. This phase was crucial for identifying and resolving bugs, refining the user experience and validating that all business rules, such as preventing a supervisor from evaluating their own student's proposal, were correctly enforced.

3.5 Phase 5: Documentation

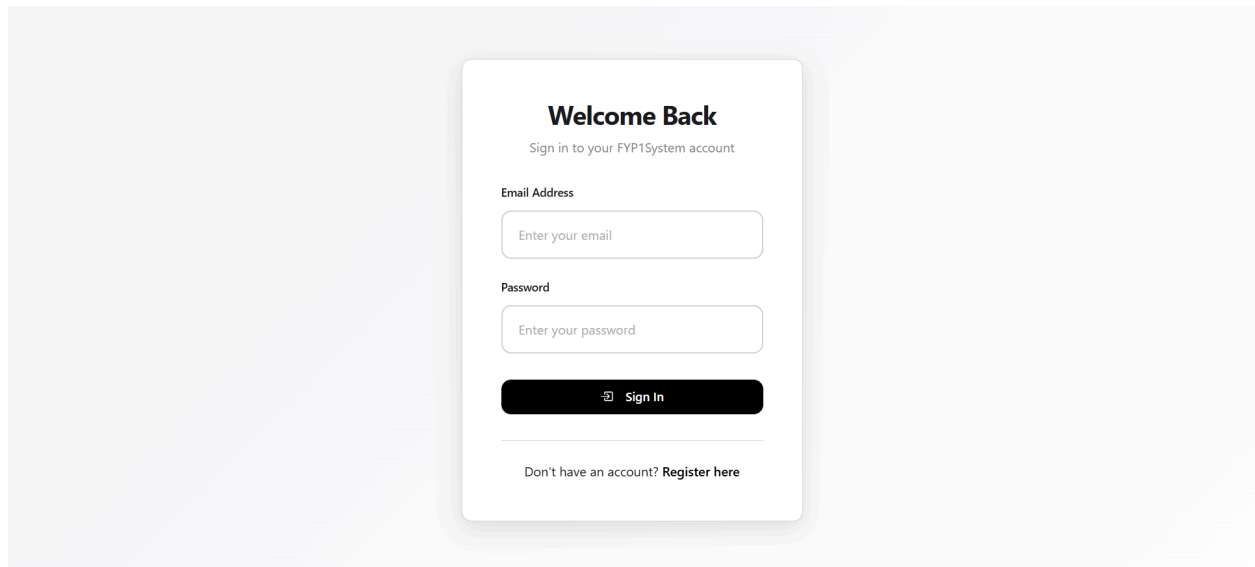
In the final phase, the codebase was cleaned to remove unused files and dependencies to ensure the final package size was minimized to meet the 20MB requirement. The detailed localhost installation steps were written and verified. Finally, this project report and the accompanying Software Design Document (SDD) were compiled to provide a complete overview of the system's functionality, design and implementation process.

4.0 System Interface for All Users

Note: The sidebar appearance may seem distorted due to the use of a long screenshot tool.

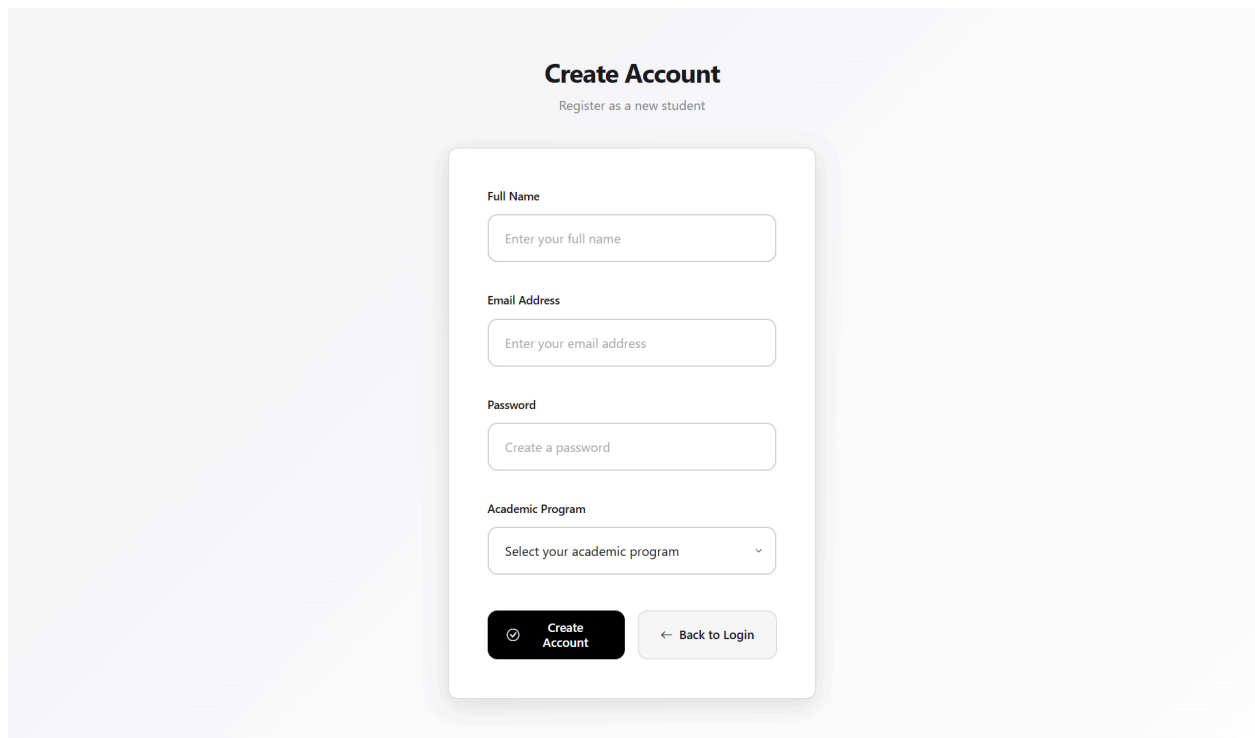
4.1 Public & General Interfaces

4.1.1 Login Page



The screenshot shows a login interface titled "Welcome Back" with the subtitle "Sign in to your FYP1System account". It features two input fields: "Email Address" with a placeholder "Enter your email" and "Password" with a placeholder "Enter your password". Below these fields is a black button with a white right-pointing arrow and the text "Sign In". At the bottom, there is a link that says "Don't have an account? Register here".

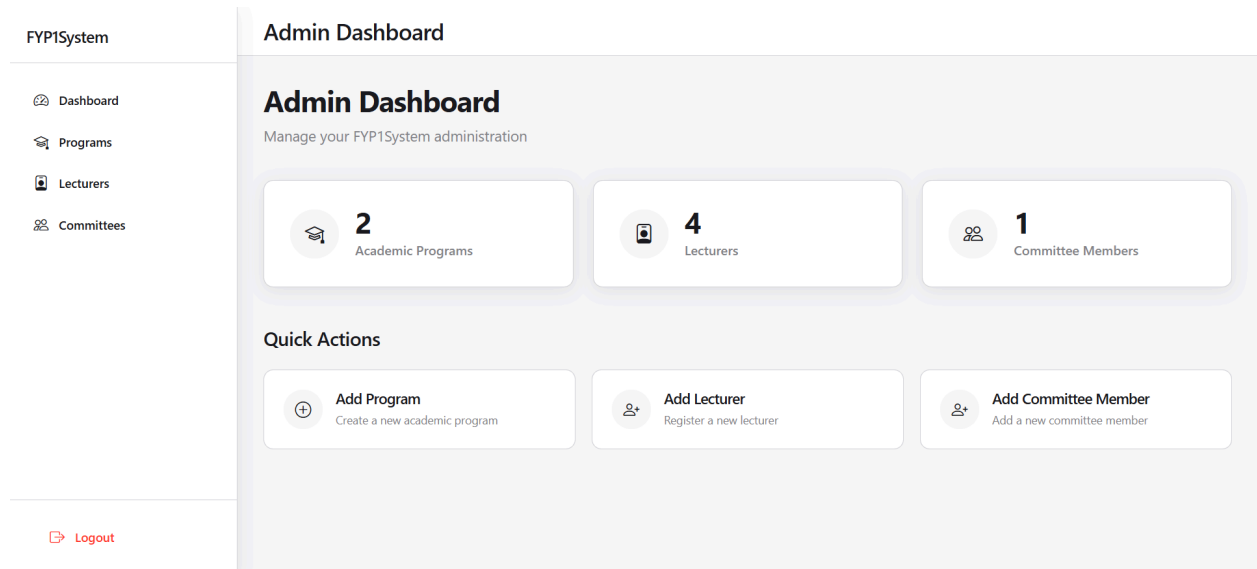
4.1.2 Student Registration Page



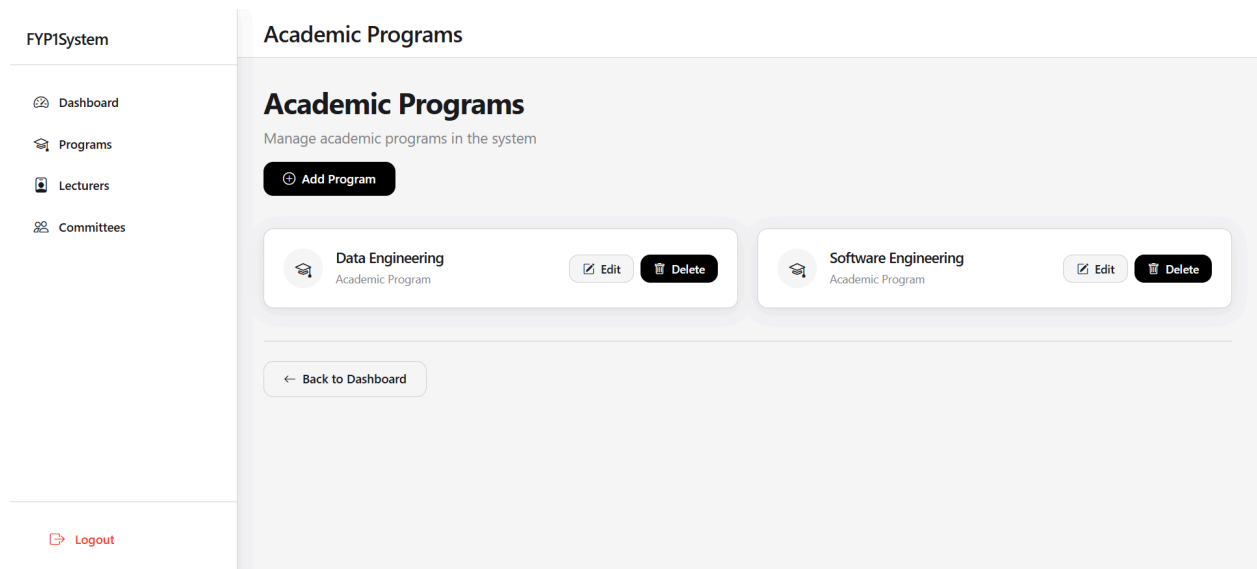
The screenshot shows a registration interface titled "Create Account" with the subtitle "Register as a new student". It features four input fields: "Full Name" with a placeholder "Enter your full name", "Email Address" with a placeholder "Enter your email address", "Password" with a placeholder "Create a password", and "Academic Program" with a dropdown menu showing "Select your academic program" and a downward arrow. At the bottom, there are two buttons: a black button with a white checkmark icon and the text "Create Account", and a light gray button with a left-pointing arrow and the text "Back to Login".

4.2 Admin Interface

4.2.1 Admin Dashboard



4.2.2 Academic Program Management Page



Create Program

Add a new academic program to the system

Program Name

✔ Create Program

← Cancel

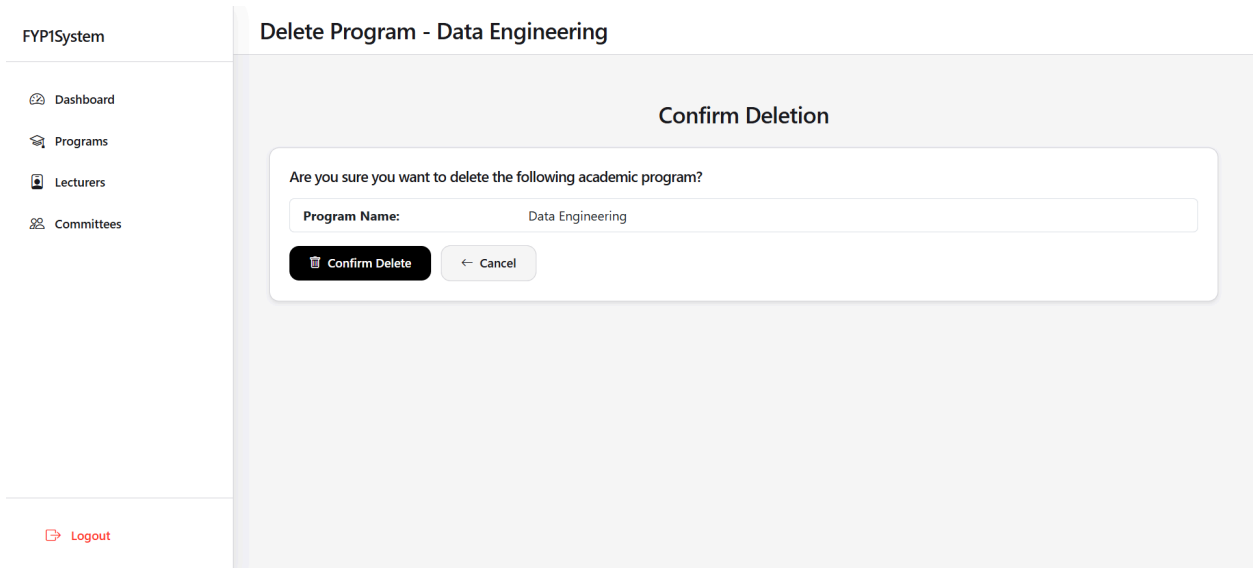
Edit Program

Update program information

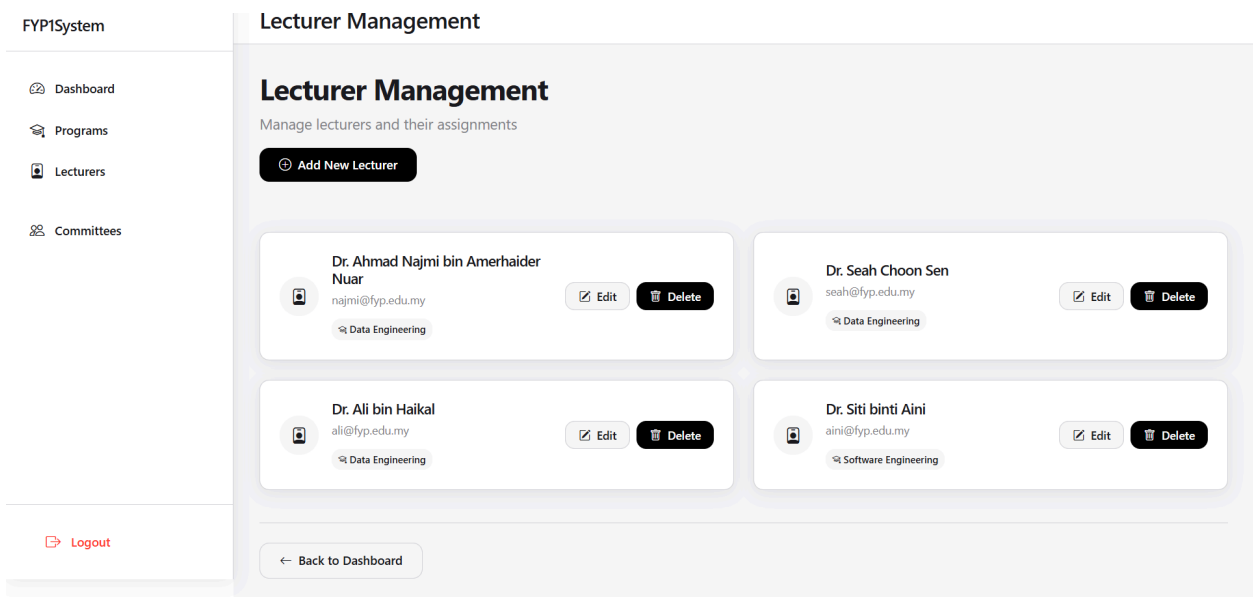
Program Name





✔ Save Changes

← Cancel



4.2.3 Lecturer Management Page



-  Dashboard
-  Programs
-  Lecturers
-  Committees

 Logout

Create New Lecturer

Create New Lecturer

Name

Email

Password

Academic Program

-- Select Program --

 Submit

 Cancel

- Dashboard
- Programs
- Lecturers
- Committees

[Logout](#)

Edit Lecturer

Update lecturer information

Name

Email

Password

Academic Program

- Dashboard
- Programs
- Lecturers
- Committees

[Logout](#)

Delete Lecturer - Dr. Ahmad Najmi bin Amerhaider Nuar

Are you sure you want to delete the following lecturer?

Name:	Dr. Ahmad Najmi bin Amerhaider Nuar
Email:	najmi@fyp.edu.my
Program:	Data Engineering
Domain:	Research

4.2.4 Committee Management Page

FYP1System

Dashboard

Programs

Lecturers

Committees

Logout

Manage Committee Members

Manage Committee Members

Program: Data Engineering

NAME	EMAIL	STATUS	COMMITTEE MEMBER
Dr. Ahmad Najmi bin Amerhaider Nuar	najmi@fyp.edu.my	Committee Member	<input checked="" type="checkbox"/>
Dr. Seah Choon Sen	seah@fyp.edu.my	Not Committee	<input type="checkbox"/>
Dr. Ali bin Haikal	ali@fyp.edu.my	Not Committee	<input type="checkbox"/>

Program: Software Engineering

NAME	EMAIL	STATUS	COMMITTEE MEMBER
Dr. Siti binti Aini	aini@fyp.edu.my	Not Committee	<input type="checkbox"/>

Back to Dashboard

Update Committee Members

FYP1System

Dashboard

Programs

Lecturers

Committees

Logout

Manage Committee Members

Manage Committee Members

Committee members updated successfully!

Program: Data Engineering

NAME	EMAIL	STATUS	COMMITTEE MEMBER
Dr. Ahmad Najmi bin Amerhaider Nuar	najmi@fyp.edu.my	Committee Member	<input checked="" type="checkbox"/>
Dr. Seah Choon Sen	seah@fyp.edu.my	Committee Member	<input checked="" type="checkbox"/>
Dr. Ali bin Haikal	ali@fyp.edu.my	Not Committee	<input type="checkbox"/>

Program: Software Engineering

NAME	EMAIL	STATUS	COMMITTEE MEMBER
Dr. Siti binti Aini	aini@fyp.edu.my	Not Committee	<input type="checkbox"/>

Back to Dashboard

Update Committee Members

4.3 Committee Interface

4.3.1 Committee Dashboard

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Lecturer Dashboard

Lecturer Dashboard

Welcome back, Dr. Ahmad Najmi bin Amerhaider Nuar

Academic Program

Domain

Data Engineering

Research

Committee Actions

Assign Domain

Assign domains to lecturers

Manage Students

View and manage student registrations

Manage Proposals

Review and manage student proposals

Pending Approvals

Review supervisor approval requests

Supervised Proposals

Students Under Supervision

No Supervised Proposals

You don't have any supervised proposals yet.

4.3.2 Lecturer Domain Assignment Page

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Assign Domain to Lecturer

Assign Domain to Lecturer

LECTURER NAME	PROGRAM	CURRENT DOMAIN	ASSIGN DOMAIN
Dr. Ahmad Najmi bin Amerhaider Nuar	Data Engineering	Research	<div>Research</div> <div>Assign</div>
Dr. Seah Choon Sen	Data Engineering	Not Assigned	<div>Research</div> <div>Assign</div>
Dr. Ali bin Haikal	Data Engineering	Not Assigned	<div>Research</div> <div>Assign</div>

Back to Dashboard

4.3.3 Student Management Page

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Manage Students

Manage Students

NAME	EMAIL	PROGRAM	ACTIONS
Koh Su Xuan	ksx0428@gmail.com	Data Engineering	<div><div>Edit</div><div>Delete</div></div>

← Back to Dashboard

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Edit Student - Koh Su Xuan

Edit Student - Koh Su Xuan

Name

Koh Su Xuan

Email

ksx0428@gmail.com

Password

.....

Academic Program

Data Engineering

▼

Save Changes

← Cancel

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Delete Student - Koh Su Xuan

Delete Student - Koh Su Xuan

Are you sure you want to delete the following student?

Name: Koh Su Xuan

Email: ksx0428@gmail.com

Program: Data Engineering

Confirm Delete

Cancel

4.3.4 Proposal Management Page

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Manage Proposals

Semester

-- All --

Session

-- All --

Apply Filter

STUDENT	TITLE	PROJECT TYPE	SEMESTER	STATUS	SUPERVISOR	SUPERVISOR COMMENT	ACTIONS
Koh Su Xuan	AI-powered Chatbot for Mental Health	Research	1	Pending	Dr. Ahmad Najmi bin Amerhaider Nuar	Refine the proposed solution to be more detailed.	<div>Assign</div> <div>Details</div>
Adishree A/P Rajali	Human and Robot Detectors	Research	2	Accepted	Dr. Ahmad Najmi bin Amerhaider Nuar	Refine the objective to be clearer and more straightforward.	<div>Assign</div> <div>Details</div>

Back to Dashboard

- Dashboard
- Students Under Supervision
- Assign Domain
- Manage Students
- Manage Proposals
- Pending Approvals
- Assigned Proposals

[Logout](#)

Manage Proposals

Manage Proposals

Semester

-- All --

Session

2023/2024

[Apply Filter](#)

STUDENT	TITLE	PROJECT TYPE	SEMESTER	STATUS	SUPERVISOR	SUPERVISOR COMMENT	ACTIONS
Adishree A/P Rajali	Human and Robot Detectors	Research	2	Accepted	Dr. Ahmad Najmi bin Amerhaider Nuar	Refine the objective to be clearer and more straightforward.	Assign Details

[← Back to Dashboard](#)

- Dashboard
- Students Under Supervision
- Assign Domain
- Manage Students
- Manage Proposals
- Pending Approvals
- Assigned Proposals

[Logout](#)

Proposal Details

Proposal Details

Title	Human and Robot Detectors
Student	Adishree A/P Rajali (adishree@gmail.com)
Supervisor	Dr. Ahmad Najmi bin Amerhaider Nuar
Project Type	Research
Semester	2
Session	2023/2024
Supervisor Comment	Refine the objective to be clearer and more straightforward.
Evaluation Status	ACCEPTED
Evaluation Comment	Satisfied.
Evaluators	1. Dr. Seah Choon Sen 2. Dr. Ali bin Haikal
Online Proposal Form	Download Filled Online Proposal Form
Proposal Document	Download Submitted Proposal Document

[← Back to Proposals](#)

4.3.5 Evaluator Assignment Page

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Assigned Proposals

Logout

Assign Evaluators

Assign Evaluators

Proposal Information

Title

AI-powered Chatbot for Mental Health

Student

Koh Su Xuan (ksx0428@gmail.com)

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

Project Type

Research

Semester

1

Session

2024/2025

Supervisor Comment

Refine the proposed solution to be more detailed.

First Evaluator

-- Select First Evaluator --

Second Evaluator

-- Select Second Evaluator --

Assign Evaluators

Cancel

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Assigned Proposals

Logout

Assign Evaluators

Assign Evaluators

Proposal Information

Title

AI-powered Chatbot for Mental Health

Student

Koh Su Xuan (ksx0428@gmail.com)

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

Project Type

Research

Semester

1

Session

2024/2025

Supervisor Comment

Refine the proposed solution to be more detailed.

First Evaluator

-- Select First Evaluator --

-- Select First Evaluator --

Dr. Seah Choon Sen

Dr. Ali bin Haikal

Assign Evaluators

Cancel

4.3.6 Pending Supervisor Approvals Page

FYP1System

Dashboard

Students Under Supervision

Assign Domain

Manage Students

Manage Proposals

Pending Approvals

Logout

Pending Supervisor Approvals

Pending Supervisor Approvals

Review and approve supervisor requests for proposals

Proposals Pending Approval

TITLE	STUDENT	PROJECT TYPE	SEMESTER	SESSION	ACTIONS
AI-powered Chatbot for Mental Health	Koh Su Xuan	Research	1	2024/2025	<div><div>Approve</div><div>Reject</div></div>

4.4 Student Interface

4.4.1 Student Registration Page

Create Account

Register as a new student

Full Name

Enter your full name

Email Address

Enter your email address

Password

Create a password

Academic Program

Select your academic program

Create Account

Back to Login

4.4.2 Student Dashboard

FYP1System

Dashboard

New Proposal

Logout

Student Dashboard

Welcome back, Koh Su Xuan

Academic Program

Data Engineering

No Proposal Submitted

You haven't submitted any proposal yet. Start by creating your first proposal.

Create Proposal

4.4.3 Proposal Submission Interface

FYP1System

Dashboard

New Proposal

Logout

Create Proposal

Create Proposal

Title

AI-powered Chatbot for Mental Health

Project Type

Research

Semester

1

Session

2024/2025

Download Online Proposal Form From Official Website

Upload Filled Online Proposal Form

Choose File

PSM1.PF_05u-1.docx

Upload Proposal Document

Choose File

PSM1.PF_05u-1.pdf

Submit

Back

4.4.4 Select Supervisor Page

FYP1System

Dashboard

New Proposal

Logout

Student Dashboard

Student Dashboard

Welcome back, Koh Su Xuan

Academic Program

Data Engineering

Your Proposal

AI-powered Chatbot for Mental Health

PENDING

Research

Semester

1

Supervisor

Select Supervisor

View Details

Remove

FYP1System

Dashboard

New Proposal

Logout

Select Supervisor

Select Supervisor

Proposal: AI-powered Chatbot for Mental Health

Select Supervisor

-- Select Supervisor --

Submit for Approval

Cancel

4.4.5 Proposal Agreement Page

FYP1System

Dashboard

New Proposal

Logout

Student Dashboard

Student Dashboard

Welcome back, Koh Su Xuan

Academic Program

Data Engineering

Your Proposal

AI-powered Chatbot for Mental Health

PENDING

Research

Semester

1

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

View Agreement

View Details

Remove


[Dashboard](#)[New Proposal](#)[Logout](#)

Supervisory Agreement

Proposal: AI-powered Chatbot for Mental Health

Supervisor	Dr. Ahmad Najmi bin Amerhaider Nuar
Project Type	Research
Semester	1
Session	2024/2025

Student-Supervisory Agreement

 Notice: This constitutes a formal academic agreement between you and your assigned supervisor.

Student Responsibilities and Commitments:

- Attend all scheduled supervision meetings and maintain regular communication
- Submit progress reports and deliverables according to agreed timelines
- Demonstrate consistent effort and commitment to the project objectives
- Adhere to academic integrity policies and ethical research standards
- Seek guidance proactively when encountering challenges or uncertainties
- Maintain professional conduct in all interactions and communications
- Complete the project within the stipulated timeframe and academic requirements

Supervisor Support:

Your assigned supervisor will provide academic guidance, technical expertise, and mentorship throughout your project. They are committed to supporting your academic growth while ensuring the project meets institutional standards.

Important: By proceeding, you acknowledge your understanding of these responsibilities and commit to fulfilling your obligations as outlined in this agreement and the institutional academic policies.

[← Back to Dashboard](#)

- Dashboard
- Students Under Supervision
- Assign Domain
- Manage Students
- Manage Proposals
- Pending Approvals

[Logout](#)

Supervisory Agreement

Proposal: AI-powered Chatbot for Mental Health

Supervisor	Dr. Ahmad Najmi bin Amerhaider Nuar
Project Type	Research
Semester	1
Session	2024/2025

Supervisory Agreement and Responsibilities

Important: By accepting this supervisory role, you are entering into a formal academic commitment.

Supervisor Responsibilities:

- Provide comprehensive academic guidance and mentorship throughout the project duration
- Conduct regular supervision meetings (minimum bi-weekly) to monitor student progress
- Review and provide constructive feedback on project deliverables within 7 working days
- Ensure adherence to academic standards, ethical guidelines, and institutional policies
- Support the student in developing research methodology and technical competencies
- Facilitate access to necessary resources and research facilities
- Participate in formal assessment and evaluation processes as required

Professional Commitment:

This supervisory agreement constitutes a professional commitment to maintain the highest standards of academic supervision. The supervisor acknowledges responsibility for guiding the student toward successful project completion while fostering independent research capabilities and critical thinking skills.

Duration: This agreement remains in effect for the entire duration of the project as specified in the academic calendar, unless formally terminated through proper institutional procedures.

[← Back to Dashboard](#)

4.4.6 View Evaluation Page

FYP1System

Dashboard

New Proposal

Logout

Student Dashboard

Student Dashboard

Welcome back, Koh Su Xuan

Academic Program
Data Engineering

Your Proposal

AI-powered Chatbot for Mental Health

ACCEPTED WITH CONDITIONS

Research

Semester
1

Supervisor
Dr. Ahmad Najmi bin Amerhaider Nuar

View Agreement

View Details

Resubmit

Remove

FYP1System

Dashboard

New Proposal

Logout

Proposal Details

Title

Student

Supervisor

Project Type

Semester

Session

Supervisor Comment

Evaluation Status

Evaluation Comment

Evaluators

Online Proposal Form

Proposal Document

AI-powered Chatbot for Mental Health

Koh Su Xuan (ksx0428@gmail.com)

Dr. Ahmad Najmi bin Amerhaider Nuar

Research

1

2024/2025

Refine the proposed solution to be more detailed.

ACCEPTED WITH CONDITIONS

Description for proposed solution too brief. Need to be detailed.

1. Dr. Seah Choon Sen
2. Dr. Ali bin Haikal

Download Filled Online Proposal Form

Download Submitted Proposal Document

Resubmit

Back to Dashboard

24

4.4.7 Proposal Resubmission Page

FYP1System

Dashboard

New Proposal

Logout

Edit Proposal

Edit Proposal

Title

AI-powered Chatbot for Mental Health

Project Type

Research

Semester

1

Session

2024/2025

Upload Filled Online Proposal Form

Choose File

No file chosen

Current file:

Online Proposal Form

Download to View File

Choose a new file to replace the current one, or leave empty to keep the existing file.

Upload Proposal Document

Choose File

No file chosen

Current file:

Proposal Document

Download to View File

Choose a new file to replace the current one, or leave empty to keep the existing file.

Save Changes

Back

25

4.5 Supervisor Interface

4.5.1 Supervisor Dashboard

FYP1System

Dashboard

Students Under Supervision

Logout

Lecturer Dashboard

Lecturer Dashboard

Welcome back, Dr. Ahmad Najmi bin Amerhaider Nuar

Academic Program

Domain

Data Engineering

Research

Supervised Proposals

Students Under Supervision

AI-powered Chatbot for Mental Health

PENDING

Submitted by: Koh Su Xuan

Semester

1

View Details

View Agreement

4.5.2 View Own Students Based on Semester and Academic Session

FYP1System

Dashboard

Students Under Supervision

Logout

Students Under Supervision

Students Under Supervision

Semester

Session

-- All --

-- All --

Apply Filter

STUDENT	TITLE	SEMESTER	SESSION	STATUS	ACTIONS
Koh Su Xuan	AI-powered Chatbot for Mental Health	1	2024/2025	Pending	<div>View</div>
Adishree A/P Rajali	Human and Robot Detectors	2	2023/2024	Pending	<div>View</div>

Back to Dashboard

26

FYP1System

Dashboard

Students Under Supervision

Logout

Students Under Supervision

Semester

Session

Apply Filter

STUDENT	TITLE	SEMESTER	SESSION	STATUS	ACTIONS
Koh Su Xuan	AI-powered Chatbot for Mental Health	1	2024/2025	Pending	View

Back to Dashboard

4.5.3 Proposal View & Comment Page

FYP1System

Dashboard

Students Under Supervision

Logout

Proposal Details

Proposal Details

Title

Student

Supervisor

Project Type

Semester

Session

Supervisor Comment

Evaluation Status

Evaluation Comment

Evaluators

Online Proposal Form

Proposal Document

AI-powered Chatbot for Mental Health

Koh Su Xuan (ksx0428@gmail.com)

Dr. Ahmad Najmi bin Amerhaider Nuar

Research

1

2024/2025

-

PENDING

-

1. Unassigned
2. Unassigned

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Supervisor Comments

Enter your comments here...

Save Comment

Back

4.5.4 Evaluation Results & Comments View Page

FYP1System

Dashboard

Students Under Supervision

Logout

Lecturer Dashboard

Lecturer Dashboard

Welcome back, Dr. Ahmad Najmi bin Amerhaider Nuar

Academic Program

Domain

Data Engineering

Research

Supervised Proposals

Students Under Supervision

AI-powered Chatbot for Mental Health

ACCEPTED WITH CONDITIONS

Submitted by: Koh Su Xuan

Semester

1

View Details

View Agreement

Human and Robot Detectors

ACCEPTED

Submitted by: Adishree A/P Rajali

Semester

2

View Details

View Agreement

FYP1System

Dashboard

Students Under Supervision

Logout

Proposal Details

Proposal Details

Title

Student

Supervisor

Project Type

Semester

Session

Supervisor Comment

Evaluation Status

Evaluation Comment

Evaluators

Online Proposal Form

Proposal Document

AI-powered Chatbot for Mental Health

Koh Su Xuan (ksx0428@gmail.com)

Dr. Ahmad Najmi bin Amerhaider Nuar

Research

1

2024/2025

Refine the proposed solution to be more detailed.

ACCEPTED WITH CONDITIONS

Description for proposed solution too brief. Need to be detailed.

1. Dr. Seah Choon Sen
2. Dr. Ali bin Haikal

Download Filled Online Proposal Form

Download Submitted Proposal Document

Supervisor Comments

Refine the proposed solution to be more detailed.

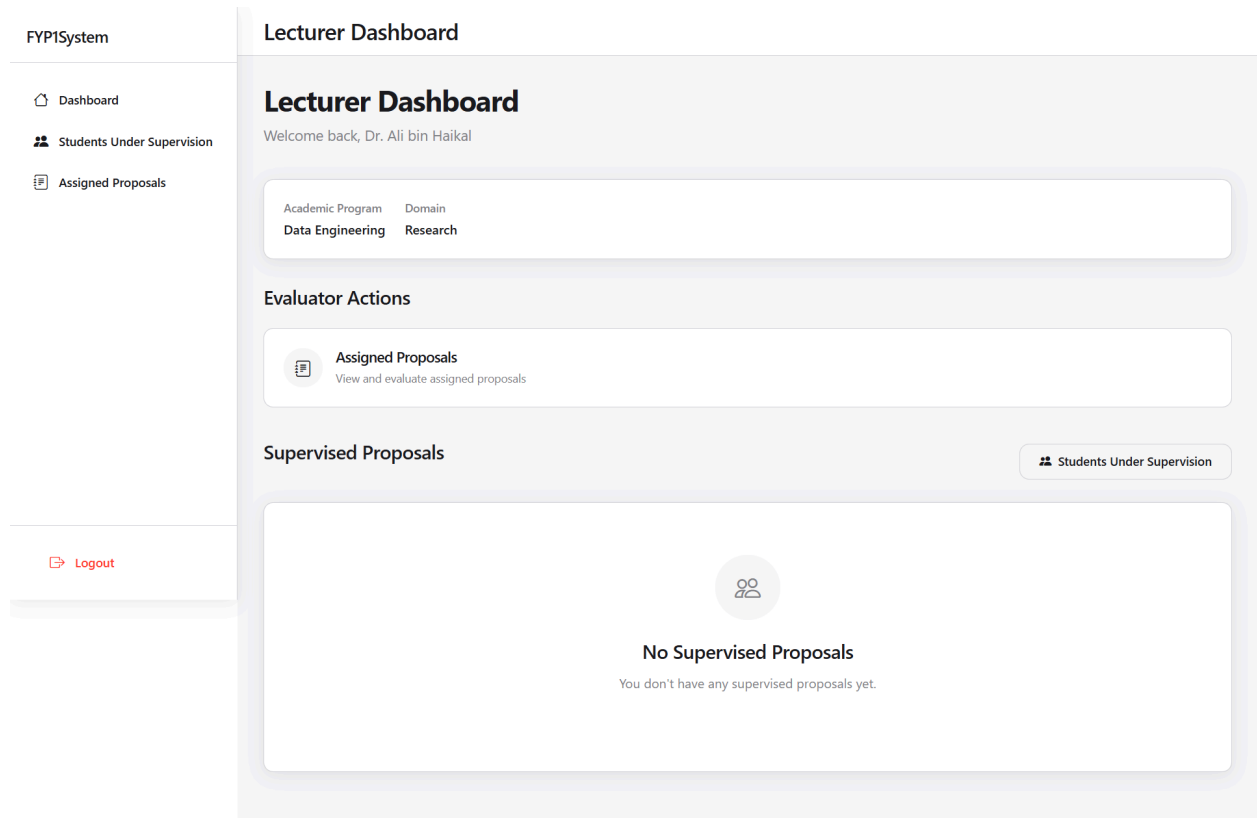
Save Comment

Back

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4.6 Evaluator Interface

4.6.1 Evaluator Dashboard



4.6.2 Assigned Proposals Page

FYP1System

Dashboard

Students Under Supervision

Assigned Proposals

Logout

Assigned Proposals

Review and evaluate assigned proposals

AI-powered Chatbot for Mental Health

PENDING

Research

Student
Koh Su Xuan
(ksx0428@gmail.com)

Semester
1

Supervisor
Dr. Ahmad Najmi bin Amerhaider Nuar

Session
2024/2025

Proposal Documents

Online Proposal Form

Proposal Document

SUPERVISOR COMMENT

Refine the proposed solution to be more detailed.

Evaluate

View Details

Human and Robot Detectors

ACCEPTED

Research

Student
Adishree A/P Rajali
(adishree@gmail.com)

Semester
2

Supervisor
Dr. Ahmad Najmi bin Amerhaider Nuar

Session
2023/2024

Proposal Documents

Online Proposal Form

Proposal Document

SUPERVISOR COMMENT

Refine the objective to be clearer and more straightforward.

Evaluate

View Details

Back to Dashboard

FYP1System

Dashboard

Students Under Supervision

Assigned Proposals

Logout

Proposal Details

Title

AI-powered Chatbot for Mental Health

Student

Koh Su Xuan (ksx0428@gmail.com)

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

Project Type

Research

Semester

1

Session

2024/2025

Status

Pending

Supervisor Comment

Refine the proposed solution to be more detailed.

Evaluation Comment

-

Evaluators

1. Dr. Seah Choon Sen
2. Dr. Ali bin Haikal

Online Proposal Form

Download Filled Online Proposal Form

Proposal Document

Download Submitted Proposal Document

Evaluate Proposal

Back to Assigned Proposals

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4.6.3 Evaluation Page

FYP1System

Dashboard

Students Under Supervision

Assigned Proposals

Logout

Evaluate Proposal

Evaluate Proposal

Proposal Title

AI-powered Chatbot for Mental Health

Student

Koh Su Xuan (ksx0428@gmail.com)

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

Supervisor Comment

Refine the proposed solution to be more detailed.

Evaluation Status

-- Select --

Evaluator Comment

Submit Evaluation

Back

FYP1System

Dashboard

Students Under Supervision

Assigned Proposals

Logout

Evaluate Proposal

Evaluate Proposal

Proposal Title

AI-powered Chatbot for Mental Health

Student

Koh Su Xuan (ksx0428@gmail.com)

Supervisor

Dr. Ahmad Najmi bin Amerhaider Nuar

Supervisor Comment

Refine the proposed solution to be more detailed.

Evaluation Status

-- Select --

-- Select --

Accepted

Accepted With Conditions

Rejected

Submit Evaluation

Back

5.0 Localhost Installation Steps

5.1 Prerequisites

Before proceeding, it is necessary to ensure the following software is installed on the local machine.

- **.NET 9 SDK**

The runtime and build tools required for the application.

- **Visual Studio 2022**

The recommended IDE, with the "ASP.NET and web development" workload installed.

- **Microsoft SQL Server**

An active instance is required. The system is preconfigured to use the (localdb)\mssqllocaldb instance, typically installed with Visual Studio.

5.2 Project Setup

This stage involves preparing the project source code for configuration and execution.

- **Extract Project Files**

Uncompress the submitted project archive (FYP1System_KohSuXuan_A22EC0060.zip) to a suitable directory.

- **Open the Solution**

Launch Visual Studio 2022 and open the solution file (FYP1System.sln) from the extracted directory. Visual Studio will automatically restore the required NuGet package dependencies upon opening.

5.3 Database Setup

With the project open, the database can now be created and seeded using Entity Framework Core.

1. **Verify Connection String**

In the Solution Explorer, open the appsettings.json file. Confirm the DefaultConnection string points to the correct local SQL Server instance. The default configuration is designed to work on a standard Visual Studio installation without modification.

2. Create and Seed Database

- a. In Visual Studio, navigate to Tools > NuGet Package Manager > Package Manager Console.
- b. Once the console has initialized, execute the following command:
Update-Database
- c. This command will connect to SQL Server, create the database, apply the complete table schema and populate it with all initial required data, including user roles and sample accounts.

5.4 Project Execution

The application is now fully configured and ready to be launched.

1. Start the Project

In Visual Studio, press the F5 key or click the green run button in the main toolbar.

2. Access the System

Visual Studio will build the project, start the Kestrel web server and automatically open the default web browser to the application's homepage.

6.0 User Credentials

The following table provides user credentials for testing the distinct functionalities of each user role within the FYP1 System. The system uses email and password for authentication.

Table 6.0: User Credentials

Role	Email	Password	Notes
Admin	admin@fyp.edu.my	admin123	Provides full administrative access to manage academic programs, lecturers and committee members.
Committee	lect1@fyp.edu.my	lect123	Lecturers who can manage student lists and assign evaluators to proposals.
Student	stud@fyp.edu.my	stud123	Registers personal details, selects a supervisor and submits a new proposal.
Supervisor	lect1@fyp.edu.my	lect123	Lecturers who can view assigned students, comment on proposals and view evaluation results.
Evaluator	lect2@fyp.edu.my lect3@fyp.edu.my	lect123	Lecturers who receive and evaluate assigned project proposals based on their domain.

7.0 Documentation: SDD

A Software Design Document (SDD) has been prepared to provide a detailed technical overview of the system's internal design, including key aspects such as the system architectural design, architecture style and rationale, component model, detailed description of components, complete package diagram and their detailed description, data design and data dictionary.

The complete SDD is provided as a separate document within the final project submission zip. For a full technical breakdown of the application's design, please refer to the file named SDD.pdf.