



**FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

**ASSIGNMENT 1: PROPOSAL  
BITM 2113 (WEB APPLICATION DEVELOPMENT)**

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<b>Project Title</b>	Online business registration by Suruhanjaya Syarikat Malaysia (SSM)
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<b>Due date: 3 MAY 2025</b>	<b>Course : BACHELOR OF COMPUTER SCIENCE (COMPUTER NETWORKING) (BITC S2G2)</b>

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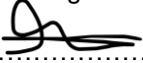
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## **1.0 INTRODUCTION**

### **1.1 Background**

The developer will create a web application for this project based on the Suruhanjaya Syarikat Malaysia (SSM). The Companies Commission of Malaysia (SSM) is a statutory body formed by the merger of the Registrar of Companies (ROC) and the Registrar of Businesses (ROB). SSM is responsible for carrying out all activities necessary for the administration of the Commission and any other purposes as directed by the Minister. However, many business owners still encounter challenges when accessing SSM services efficiently and understanding the system.

### **1.2 Problem Statement**

The client faces several issues, including time-consuming manual processing for business registration, which takes 5 to 7 working days. Additionally, there is a lack of transparency in tracking client applications. Finally, the current system makes the registration procedures inconvenient and complicated.

### **1.3 Objectives**

This web application aims to provide a user-friendly system for business registration. The developer will ensure automated document validation and will offer clients real-time tracking of their application status during document processing.

### **1.4 Scope**

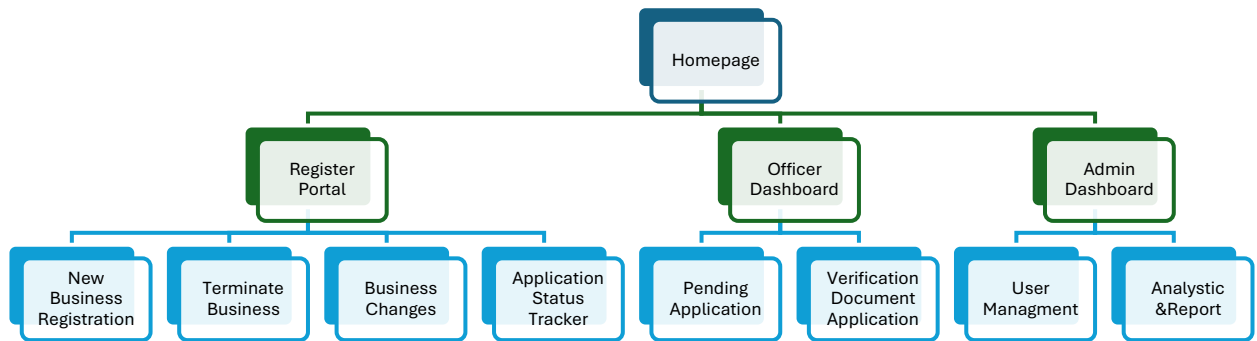
This project's scope is aimed at entrepreneurs managing or registering their businesses. It involves officers responsible for processing and verifying application documents and an administrator overseeing platform operations. The system will facilitate online business registration, including secure document uploads, a user dashboard, and an admin or officer panel.

### **1.5 Project Significance**

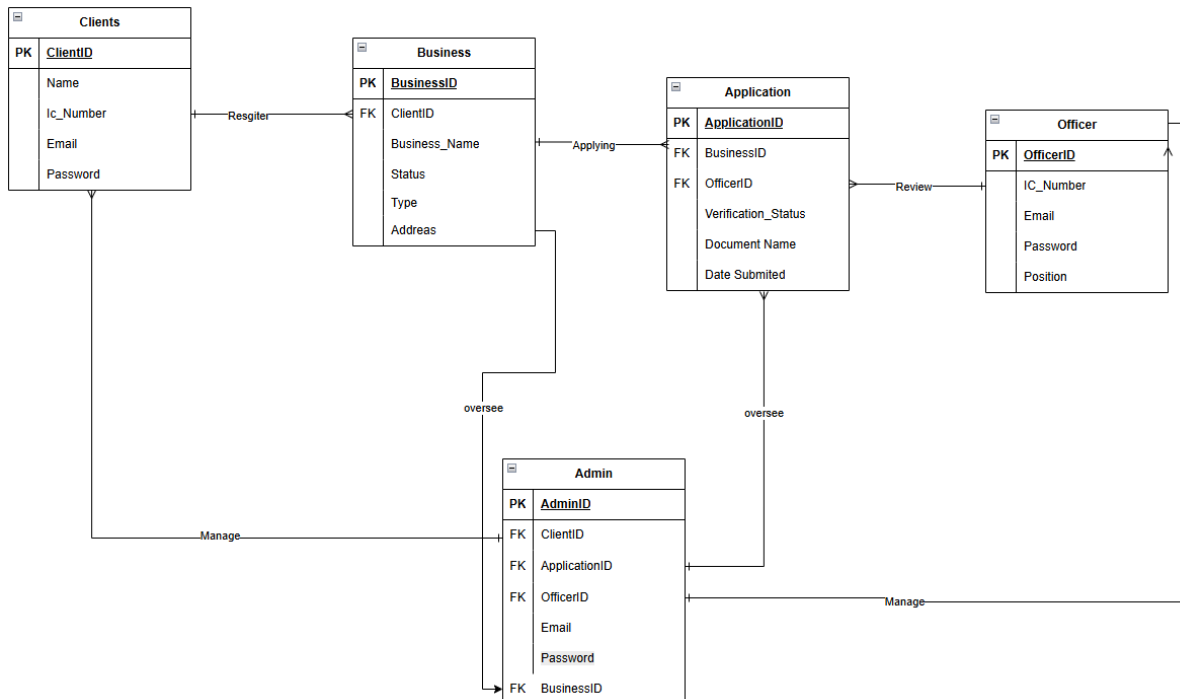
The web application project aims to reduce processing time significantly. It will enhance user satisfaction and adoption while improving accuracy to minimize errors through automated validation. Additionally, the project will improve accessibility and clarity regarding document processes. As a result, it will foster greater public trust in government services.

## 2.0 Conceptual Design

### 2.1 Site Structure Design



### 2.2 Entity Relational Diagram (ERD)



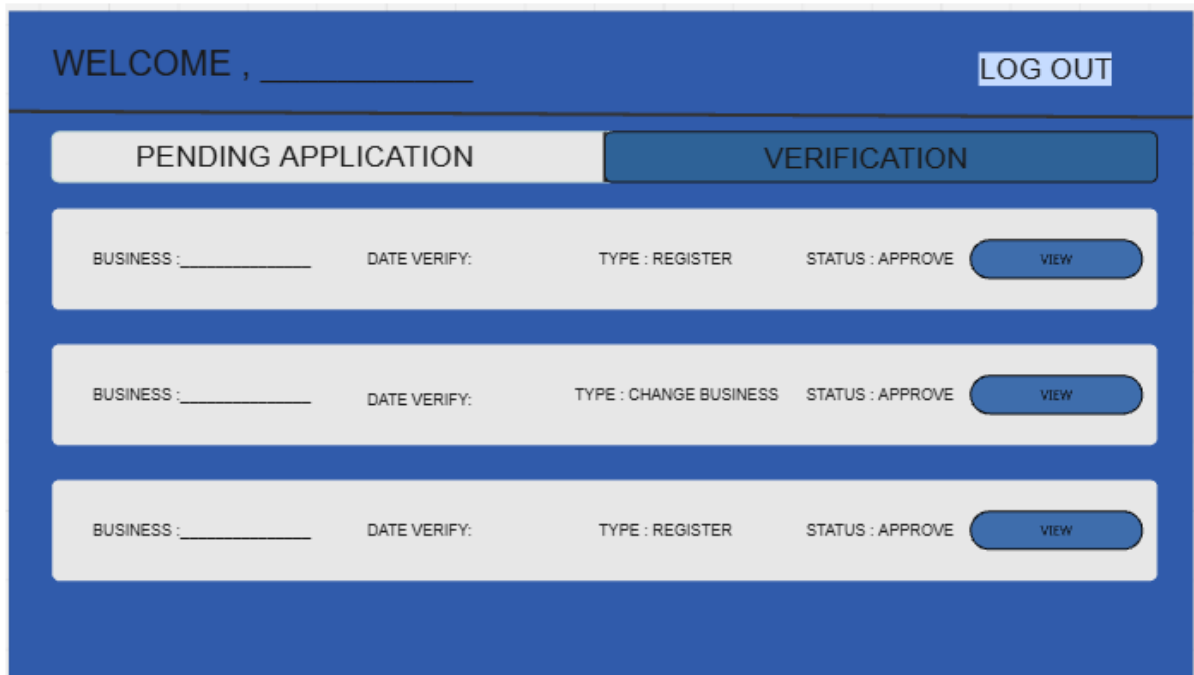
## 2.3 Interface Design

The homepage interface design will feature elements in the navigation bar, including links for Login/Register and a "Forgot Password" button for all users. These features will help identify user roles, such as admin, officer, or client. Additionally, the homepage will include an informational banner or welcome message. It is also important to include copyright information to prevent plagiarism.

The image displays five wireframe screenshots of a web application interface, arranged in a grid. The interface is designed with a blue header and a light blue main content area.

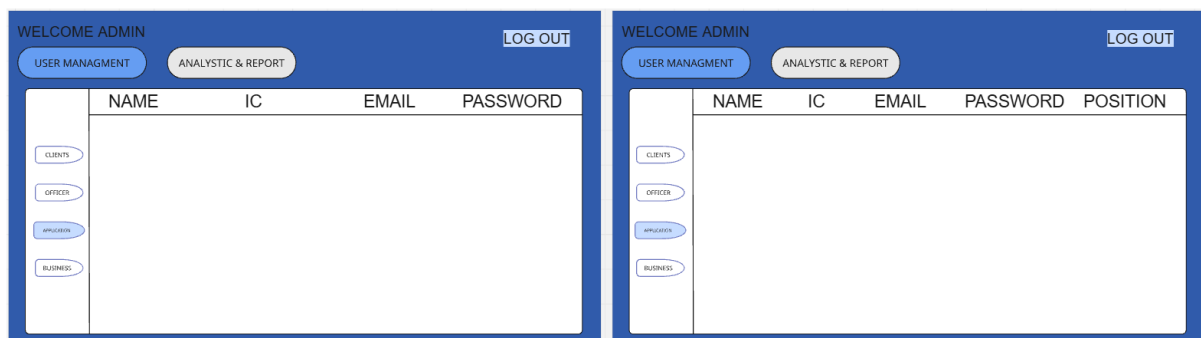
- Top Left:** A login/register page. The header contains "WELCOME , \_\_\_\_\_" and a "LOG OUT" button. Below the header is a navigation bar with "BUSINESS" and "STATUS" tabs. The main content area is empty.
- Top Right:** A page titled "Frame 3". The header is the same as the top left. The navigation bar has "BUSINESS" and "STATUS" tabs. The main content area displays a message: "YOU DONT HAVE ANY BUSINESS RIGHT NOW" with a "REGISTER" button below it.
- Middle Left:** A registration page. The header is the same. The navigation bar has "REGISTER" and "STATUS" tabs. The main content area contains a form with fields for "NAME", "IC NUMBER", "BUSINESS NAME", "ADDRESS", and "TYPE", followed by a "REGISTER" button.
- Middle Right:** A page titled "Frame 3". The header is the same. The navigation bar has "BUSINESS" and "STATUS" tabs. The main content area displays a message: "BUSINESS : \_\_\_\_\_ DATE SUBMITTED : TYPE : REGISTER STATUS : APPROVE".
- Bottom:** A detailed view of the business registration process. The header is the same. The navigation bar has "BUSINESS" and "STATUS" tabs. The main content area contains a form with fields for "NAME", "IC NUMBER", "BUSINESS NAME", "ADDRESS", and "BUSINESS NUMBER", followed by "TYPE: FOOD" and "STATUS : APPROVE".

After logging in with their email and password, officers will access the officer dashboard. This dashboard will feature a section for pending applications, allowing clients to submit their business documents. Furthermore, a verification process will confirm the clients' personal and business information, which will ultimately determine whether the application is approved or rejected.

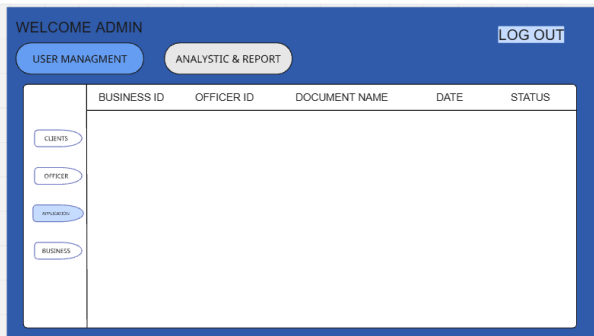
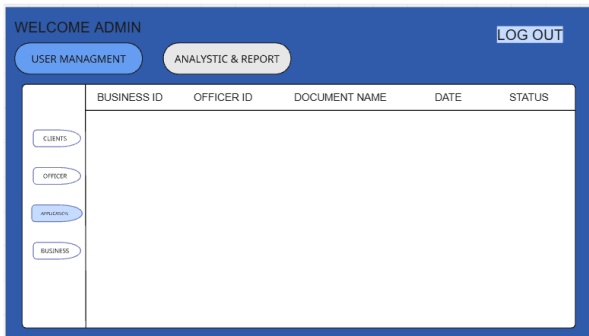


The image shows a UI mockup for an officer's dashboard. At the top, there is a blue header bar with the text "WELCOME , \_\_\_\_\_" on the left and a "LOG OUT" button on the right. Below the header, there are two tabs: "PENDING APPLICATION" (highlighted in light blue) and "VERIFICATION" (in dark blue). The main content area contains three identical horizontal panels, each representing a pending application. Each panel includes the following fields: "BUSINESS : \_\_\_\_\_", "DATE VERIFY:", "TYPE : REGISTER", "STATUS : APPROVE", and a blue "VIEW" button.

When the admin logs in with their email and password, they will access the admin dashboard, consisting of two main functionalities. The first is user management, allowing the admin to manage clients, officers, applications, and businesses. The admin can add, edit, or deactivate clients or officers. The second function is analytics and reporting, which will generate a dashboard card displaying the number of applications submitted, approved, and rejected. It will also create graphs illustrating monthly submissions, officer activity, and user growth, facilitating easier analysis and reporting to superiors.



The image shows two side-by-side UI mockups for an admin dashboard. Both have a blue header bar with "WELCOME ADMIN" on the left and "LOG OUT" on the right. Below the header, there are two tabs: "USER MANAGEMENT" (highlighted in blue) and "ANALYSTIC & REPORT" (in light blue). The main content area features a table with columns: NAME, IC, EMAIL, PASSWORD, and POSITION. To the left of the table is a vertical sidebar with four buttons: "CLIENTS", "OFFICER", "APPLICATION", and "BUSINESS". The "APPLICATION" button is highlighted in blue. The table is currently empty.



This is the reference for interaction design:

[https://miro.com/app/board/uXjVI63xUcs=?share\\_link\\_id=529201982079](https://miro.com/app/board/uXjVI63xUcs=?share_link_id=529201982079).