



اَبُو سَيِّدِي تَكْوَلُو كِي مَبَارَا
UNIVERSITI
TEKNOLOGI
MARA

Cawangan Terengganu
Kampus Kuala Terengganu

CSC264 Proposal

[ONLINE CLINIC MANAGEMENT SYSTEM]

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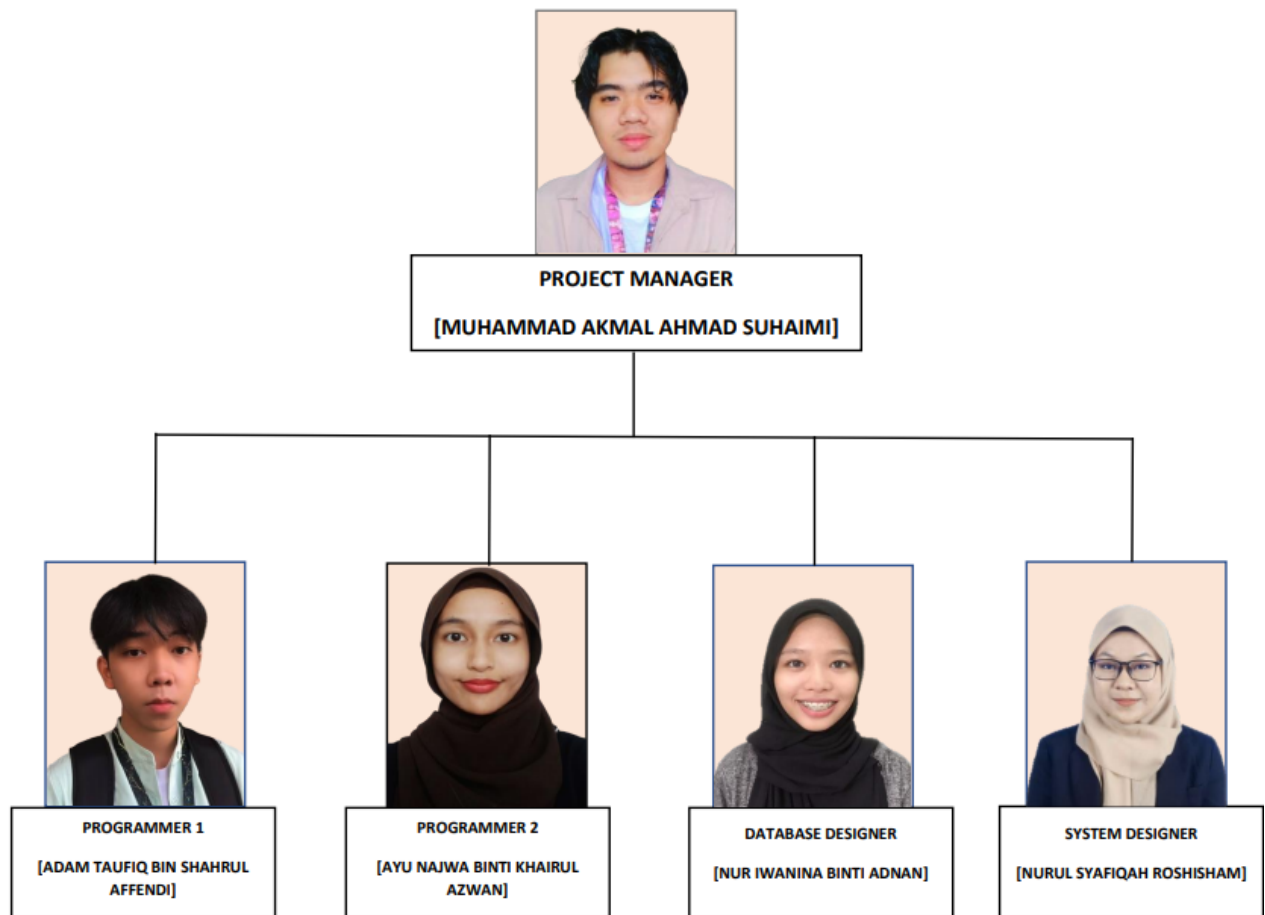
PREPARED FOR:

**CSC264 INTRODUCTION TO WEB AND
MOBILE APPLICATION**

Lecturer Name:

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ORGANIZATIONAL CHART AND GROUP MEMBER



INTRODUCTION



Our company's name is MyPenawar. The main idea of our web project is to improve the current clinic management system by replacing the traditional walk-in and queue system, and manual file system with an online system that allows end-users to securely and conveniently book appointments, and clinic employees to check patients' medical details and booking slots online using a laptop, tablet, smartphone, computer, or other web-connected devices

We got the idea to develop this project from our last semester project, in which we developed a clinic database system but without a web system. Hence, we use this opportunity to develop a proper online clinic management web and mobile application system for this project.

PROJECT BACKGROUND

Synopsis

We have been hired by Poliklinik Penawar Semenyih Kumpulan Perubatan Penawar Sdn. Bhd. to develop a sophisticated clinic system. Led by passionate directors and supported by a capable, committed, and skilled workforce. The Poliklinik Penawar strategically placed, owned by the company Kumpulan Perubatan Penawar Sdn. Bhd is located at No 28G, Jalan Semenyih Sentral 4, Taman Semenyih Sentral, 43500 Semenyih, Selangor, Malaysia, and was discovered by Dr. Rushmini Maris Ismail.

The polyclinic provided services such as regular medical check-ups, as well as mental health services. Contribute to the care of patients suffering from behavioral issues — especially those from low socio-economic backgrounds. Furthermore, advocate for women's reproductive health such as menstrual hygiene and pediatric care. Lastly, nutritional and dietary plans.

Functional requirements:

- Login
- Register
- Booking
- Checking medical data

Why we develop the system

In the current clinic operation, the clinic manages the registration and monitoring the treatment data of patients by hand in which the receptionist must manually fill out a form in order to register new patients and keep the data in a paper file. In addition, the receptionist usually spends an unnecessary amount of time handling patients' booking slots, registering or tracking patients, and data redundancy will most likely occur, which can lead to data inconsistency.

Not only that, the current system does not provide a booking system for new patients. Patients must walk into the clinic for consultation. This makes the clinic unable to estimate the number of patients present on a given day. In addition to that, if there are a lot of patients who walk in at the same time, the queue line will be long, and the patients must wait for a long time waiting for their turn.

Furthermore, long waiting queues make patients upset and reduce clinic productivity. Therefore, our team members came up with an idea to change the current clinic management system which has a few flaws to a new online clinic management system that will improve the clinic's day-to-day operation.

Impact of this project

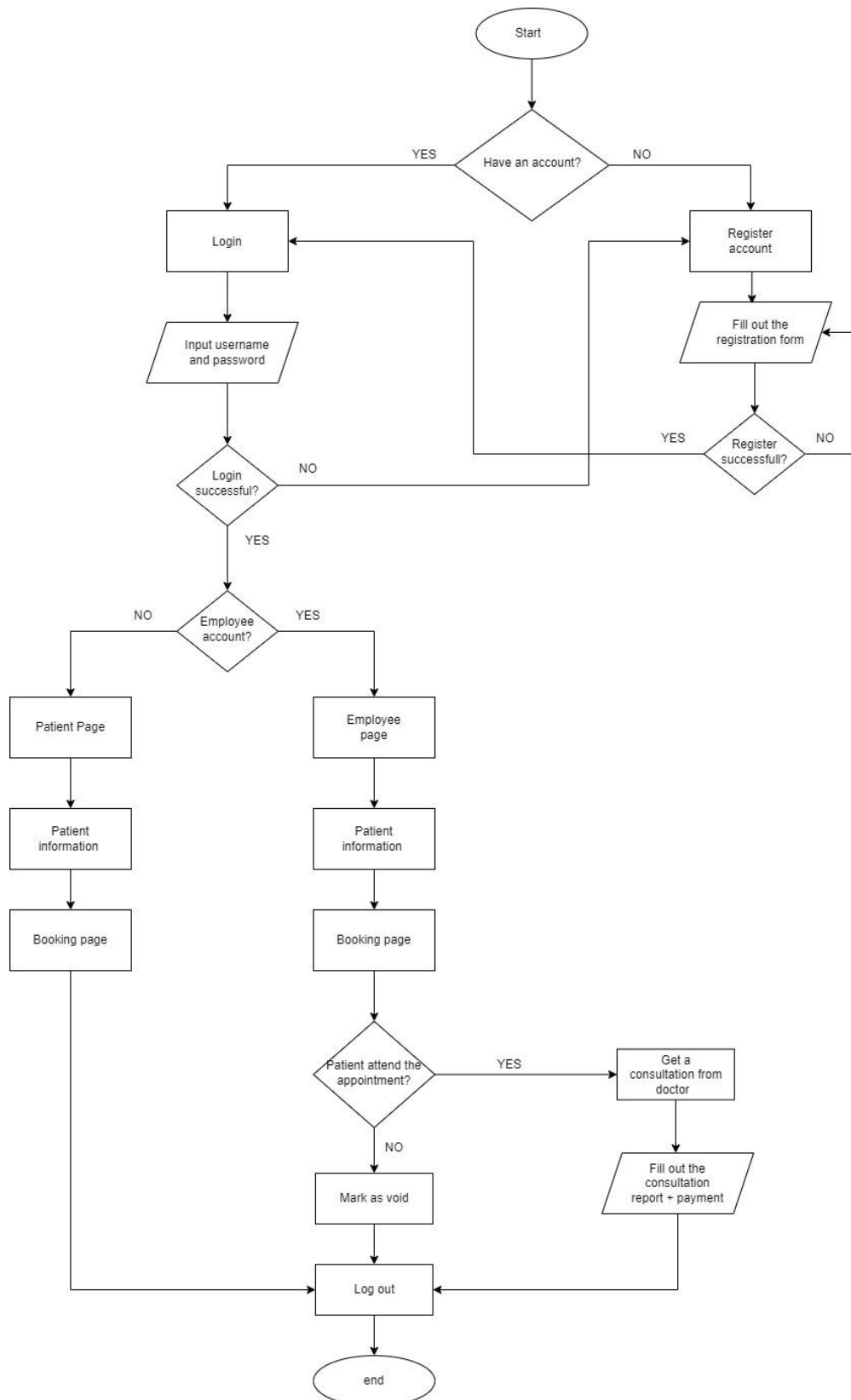
1. The clinic has a platform for employees to conduct patient registration online.
2. Employees can manage registration data and treatment data much faster.
3. Patients can book an appointment online.

How we deliver the system

We deliver the system through a website, which employees have access to store, update, and remove patient consultation data and booking slots. Moreover, the website will be the platform for patients to register and book an appointment online.

Next, the system will be delivered through a mobile application specially for patients, where the patients can register, log in, book, and check their profile in the mobile application.

SYSTEM FLOW DIAGRAM



AUDIENCE

1) Clinic employee

- The one who can access the patient data and history.
- The authorized user can accept and deny the booking appointment.
- The one who will need to update the consultation data after each successful appointment.

2) Patient

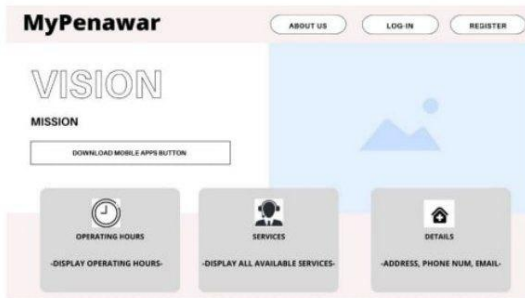
- Update their own personal data.
- Booking an appointment.

PROJECT SCHEDULE

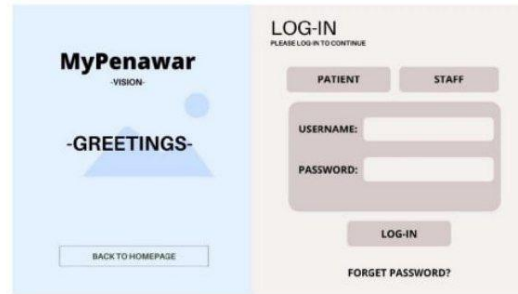
PROJECT PLAN	W 01	W 02	W 03	W 04	W 05	W 06	W 07	W 08	W 09	W 10	W 11	W 12	W 13	W 14
Prepare Project Proposal														
Design Web Storyboard														
Develop Web Project														
Testing and Finalize Project														
Project Presentation														

PROPOSED USER INTERFACE DESIGN

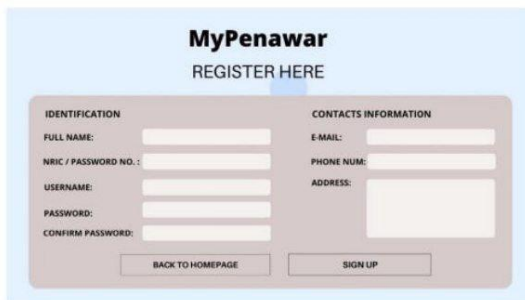
1) Proposed Website Interface Design



HOMESCREEN PAGE



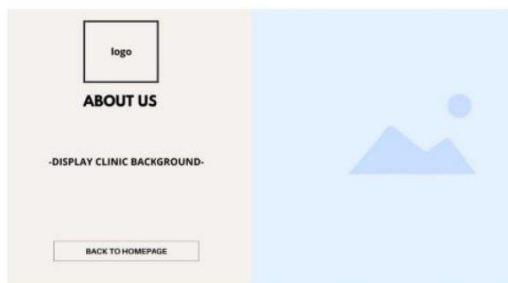
LOG-IN PAGE



REGISTER PAGE



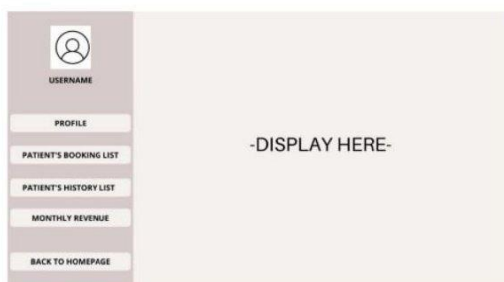
FORGET PASSWORD PAGE



ABOUT US PAGE

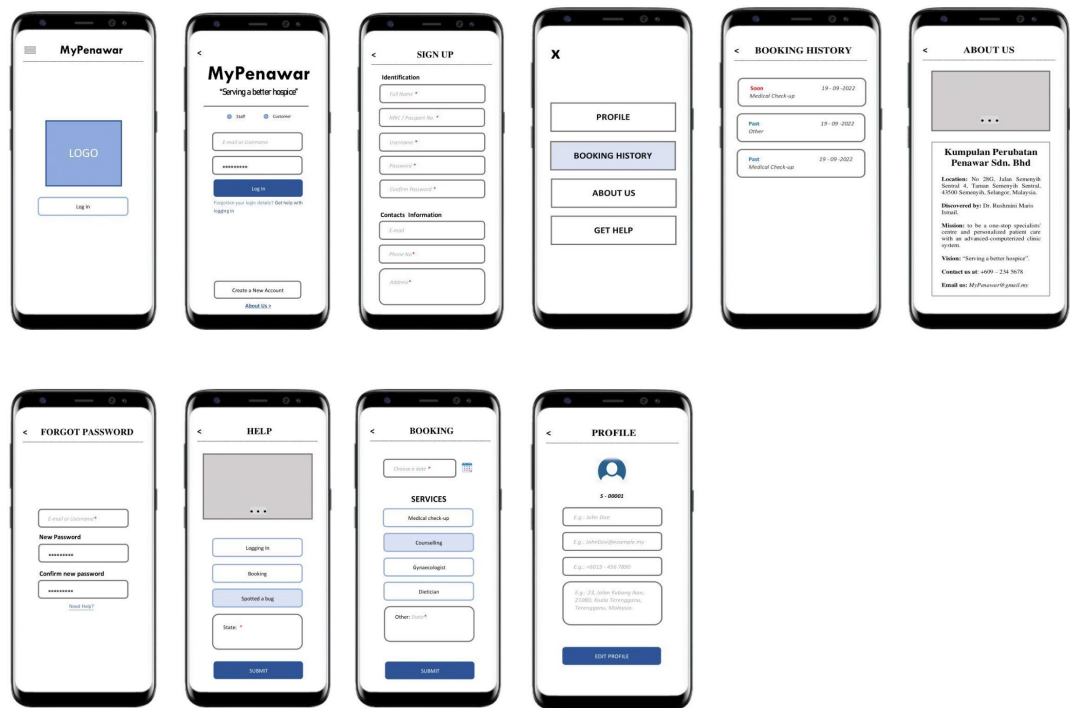


PATIENT SELECTION PAGE



STAFF SELECTION PAGE

2) Proposed Mobile Application Interface Design



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