

Clinic Appointment System

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Clinic Appointment System Web Development

INFO 3305 – WEB APPLICATION DEVELOPMENT

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1. INTRODUCTION

The purpose of this document is to provide details on the plan of our project. We developed a system which is known as Clinic Appointment System (CAS). CAS is going to help the patient who would like to arrange an online appointment for the clinic services such as doctor consultation, blood test and so on. This system will ease patient in making appointment based on preferred date and specialized doctor. The system also aims to the clinic or health service center especially doctor to see the appointment list made by the patients and for the staff to approve the appointment.

2. PROBLEM DESCRIPTION

Our project, Clinic Appointment System were developed in web application so it can help patient to access easily through our system. This project will be developed to enhance the appointment system in the clinic which previously in some clinic is still use manual appointment which is paper-based to record and make an appointment through a phone call between patients and staff. Clinic Appointment System provides a system for patient to set an appointment in advance so that they do not have to have a long queue to do the registration. The staff which is nurse will approve or reject the application based on the availability of the time slot and doctor. Therefore, we decided to develop CAS to solve this kind of problems.

3. OBJECTIVES

The objectives of this web development are:

- To ease the users on making an appointment through online system
- To help the clinic in manage and see a clear picture of appointments that have been made by the user.
- The users are able to choose their preferred time and date based on their availability
- To ease the doctors see the details of their patients.

4. PROJECT SCOPE

There will be 2 sections which are for patients, staff which are the doctors and nurses. For this system, we focused on patients who would book an appointment; clinic or health service center for appointment management; and doctors who had to treat the patients which booked an appointment.

Throughout the development of CAS, we used:

Component	Specification
Database	MySQL Server
Browser	Chrome
Web Server	Tomcat 8, 9
Java Application	Eclipse
Scripting language	JSP, Servlet, JavaBeans

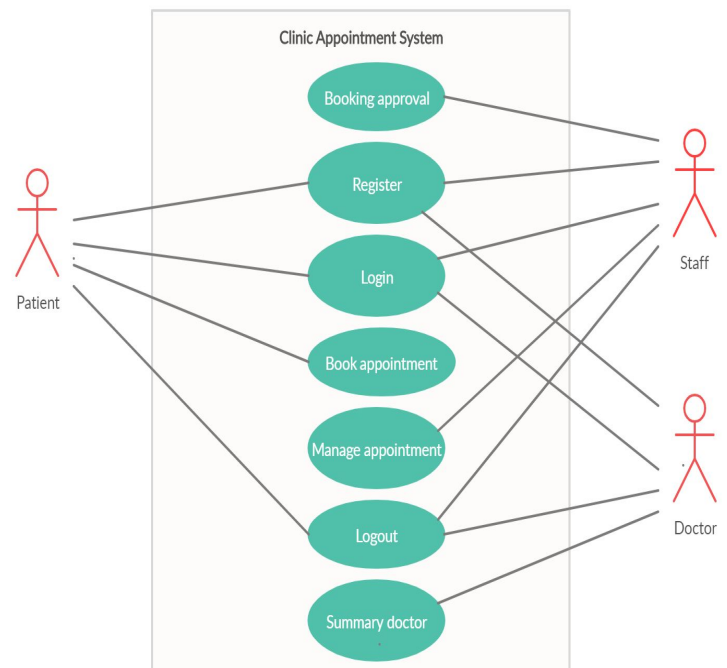
5. CONSTRAINTS

There are some constraints that happened during developing the CAS. Firstly, time constraints. We need to learn the functions that will be used in developing the website within a short period of time. Beside that, we have a hard time to connect with database. We used so many versions of jar list to get ping success in order our system connect with database.

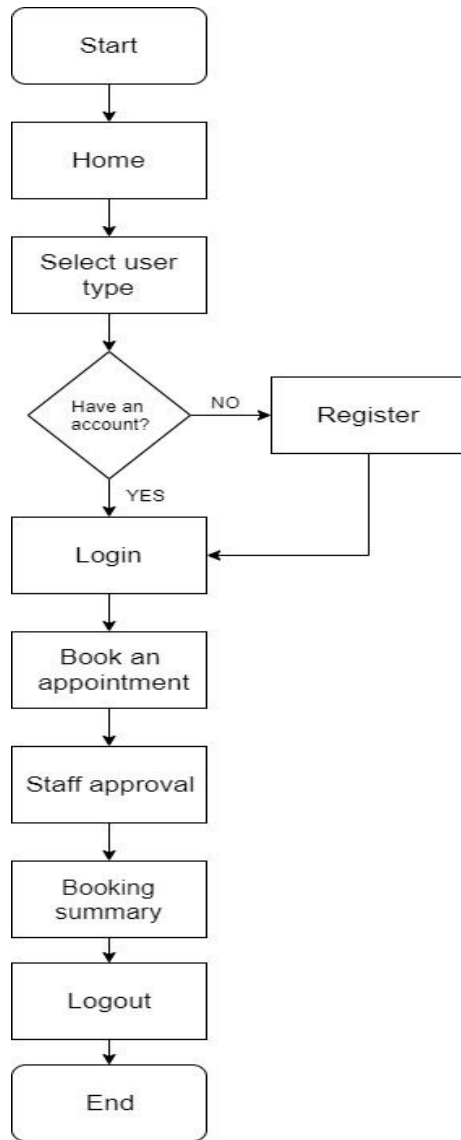
6. PROJECT STAGES

- Project planning
- Define resources & requirements
- Define the function
- Program development
- Testing

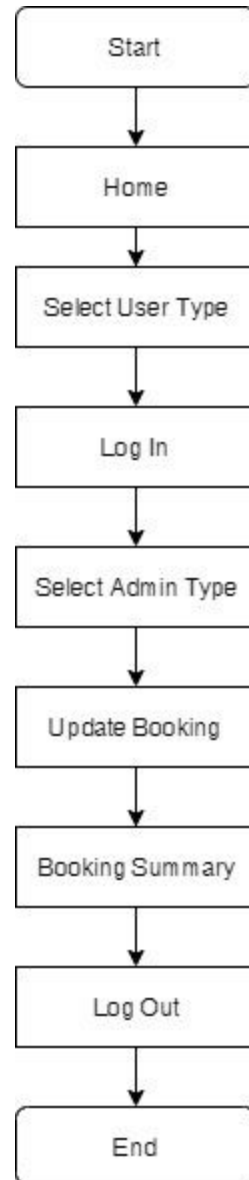
7. USE CASE DIAGRAM



8. FLOW OF THE SYSTEM



Flow Chart for Patient



Flow Chart for Admin

9. SIGNIFICANT OF THE SYSTEM

There are a lot of benefits that people can earn from this project. First and foremost, it definitely eases the patients who would like to make an online appointment with the doctors. So, this system will assist them in booking an appointment based on their preferred date, specialized doctor, and

services that they wanted to use. Our system then will allow the user to see the summary of the appointment that they have just made earlier so that user can see the result and keep it as a reference. On the doctor side, the doctors are able to see the timetable of users' appointment so that it will ease the doctors in seeing the clear picture of their appointed patient and can make a proper plan for the future.

10. CONCLUSION

We developed the Clinic Appointment System to solve the current patient's difficulties in booking an appointment. We created this system in order to give them an alternative and easier way in booking an appointment. In conclusion, we have managed to develop this system, and we hope both patient and doctor will be able to gain benefits from our system, Clinic Appointment System.

11. ACKNOWLEDGEMENT

First and foremost, we are grateful to Allah SWT for the good health and wellbeing throughout this semester.

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12. REFERENCES

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