

COMP5590 – Software Development

Group Project Overview

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The groups will implement part of a general practitioner (GP) booking system.

- Groups are formed of four or five people from the same class slot. You can form your own groups.
- Each group will be assigned one of the following interfaces and implement the features of the assigned interface: Patient (assigned to Groups A and D), Doctor (assigned to Groups B and E), Admin/Receptionist (assigned to Groups C and F). Features associated with each interface are described below.
- Each group will also implement authentication and logging features (see below for details).

For A1, groups will write eight (four people groups) or 10 (five people groups) user stories.

For A2, groups will then implement those user stories in three stages.

- Each stage corresponds to a Sprint lasting two weeks.
- Authentication and one more user story will be implemented in the first Sprint.
- Three additional user stories will be implemented in the second Sprint. One additional user story for five people groups.
- Logging and two more user stories will be implemented in the third Sprint. One additional user story for five people groups.
- Groups will submit deliverables after each Sprint.

Project Features

All Groups: Authentication and logging features.

- Login to the system as a role and logout.
- Log all access to the system, e.g. when Doctor X views Patient Y's information.

Groups A and D: Features of the "Patient" interface are:

- Register as new patient (and choose doctor and send confirmation messages).
- Change doctor (and send confirmation messages).

- Enter new booking (and send confirmation messages).
- View bookings.
- Reschedule booking (and send confirmation messages).
- View visit details and prescriptions.
- (Five people groups) View all doctors.
- (Five people groups) View a doctor's details.

Groups B and E: Features of the “Doctor” interface are:

- View bookings.
- View own patients.
- Enter visit details and prescriptions (and send confirmation messages).
- View visit details and prescriptions.
- Edit visit details and prescriptions (and send confirmation messages).
- Assign new doctor to a patient (and send confirmation messages).
- (Five people groups) View all patients.
- (Five people groups) Send message to an admin/receptionist.

Groups C and F: Features of the “Admin/Receptionist” interface are:

- Enter new doctor.
- Enter new patient (and assign doctor and send confirmation messages).
- Assign new doctor to a patient (and send confirmation messages).
- Enter new booking (and send confirmation messages).
- View bookings (by doctor or by patient or by date).
- Remove or reschedule booking (and send confirmation messages).
- (Five people groups) View all doctors.
- (Five people groups) View all patients.