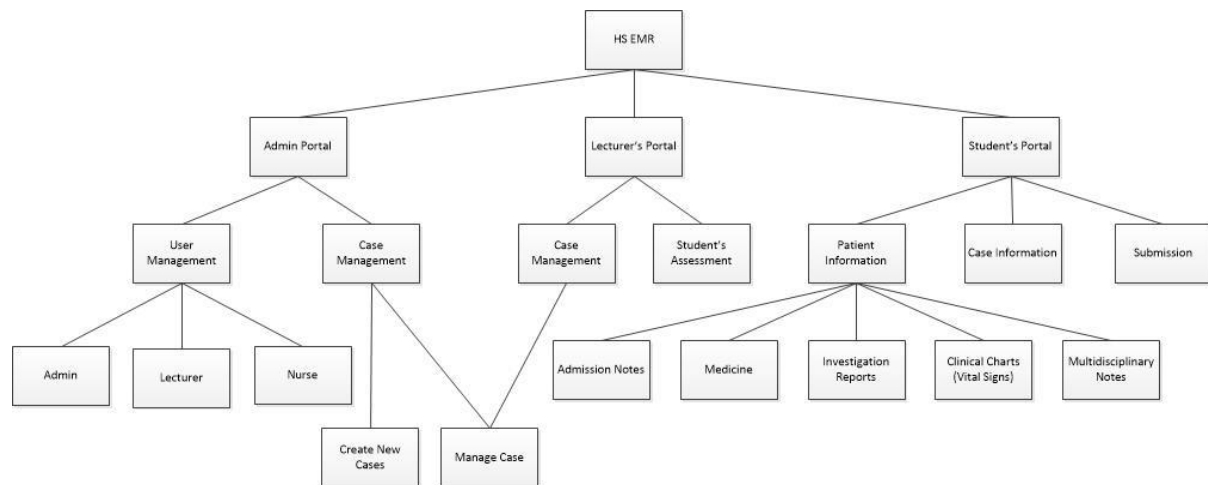


HS EMR UI Prototype (Low Fi) v3

Prepared by Gladys Khong Zhi Xuan, Jocelyn Ng, Khoo Hui Ping, Ngow Wei Yi, Tan Shi Qi

1 Navigation Diagram



2 Admin Portal

2.1 User Management

2.1.1 Administrator

The screenshot shows the 'HS EMR Admin Portal - Administrator Accounts Management' interface. The browser address bar displays 'http://localhost:8080/HS-EMR/viewAdminAccount.jsp'. The page title is 'Administrator Accounts Management'. Below the title, there is a table with columns 'User Id', 'Password', and 'Actions'. The table contains two rows: 'admin1' with password 'admin1' and 'admin2' with password 'admin2'. The 'Actions' column for 'admin1' has 'logged in' and 'edit' buttons, and for 'admin2' it has 'delete' and 'edit' buttons. Below the table, there is a 'Create New Account' button.

| User Id | Password | Actions |
|---------|----------|----------------|
| admin1 | admin1 | logged in edit |
| admin2 | admin2 | delete edit |

Create New Account

This screen is similar for editing all user accounts (admin, lecturer, nurse)

2.2 Case Management

2.2.1 Manage Cases

| ID | Name | Status | Description | Admission Information | Edit | Activate/Deactivate |
|-----|------------------------------|-------------|-------------------------------|-------------------------------------|------|---------------------|
| SC1 | ECS UK Anaphylactic Reaction | activated | Designed to expose students.. | A married woman is being admitted.. | edit | deactivate |
| SC2 | ECS UK Cardiac Assessment | deactivated | Designed to expose students.. | A lorry driver is being hit by.. | edit | activate |

2.2.2 Create New Case

Case Information, Patient Information and Default Vital Signs are similar to tabs, when clicked it will show the contents

Case Name

Case Information

Case Description

Admission Information

Status ☐ Activate ☐ Deactivate

Patient Information

Default Vital Signs

Define State(s)

Add New Scenario

Sample screen when Case Information is clicked

HS EMR Admin Portal - Create Scenario

← → ↻ 🔍 /createScenario.jsp

HSEMR Case Management User Management Logout

Case Set Up

Case Name

Case Information

Patient's Information

Patient's NRIC Patient's NRIC Patient's NRIC

Gender ☐ Male ☐ Female

Date of Birth

Marital Status

Weight

Height

Occupation

Race

Religion

Nationality

Default Vital Signs

Define State(s)

Add New Scenario

Sample screen when Patient Information is clicked

HS EMR Admin Portal - Create Scenario

← → ↻ 🔍 /createScenario.jsp

HSEMR Case Management User Management Logout

Case Set Up

Case Name

Case Information

Patient's Information

Default Vital Signs

Respiratory Rate

Blood Pressure

Heart Rate

SPO

Intake

Output

Temperature

Define State(s)

Add New Scenario

Sample screen when Default Vital Signs is clicked

The screenshot shows a web browser window titled "HS EMR Admin Portal - Create Scenario". The address bar contains "/createScenario.jsp". The navigation bar includes "HSEMR", "Case Management" (highlighted), and "User Management", with a "Logout" link on the right. The main heading is "Case Set Up". Below it is a "Case Name" input field. A sidebar on the left lists "Case Information", "Patient Information", "Default Vital Signs", and "Define State(s)" (highlighted in blue). The "Define State(s)" section contains a "State Description" text area and a grid of input fields for vital signs: Respiratory Rate, Blood Pressure, Heart Rate, SPO, Intake, and Output. A "Temperature" input field is located below the SPO field. An "Add New Scenario" button is at the bottom center.

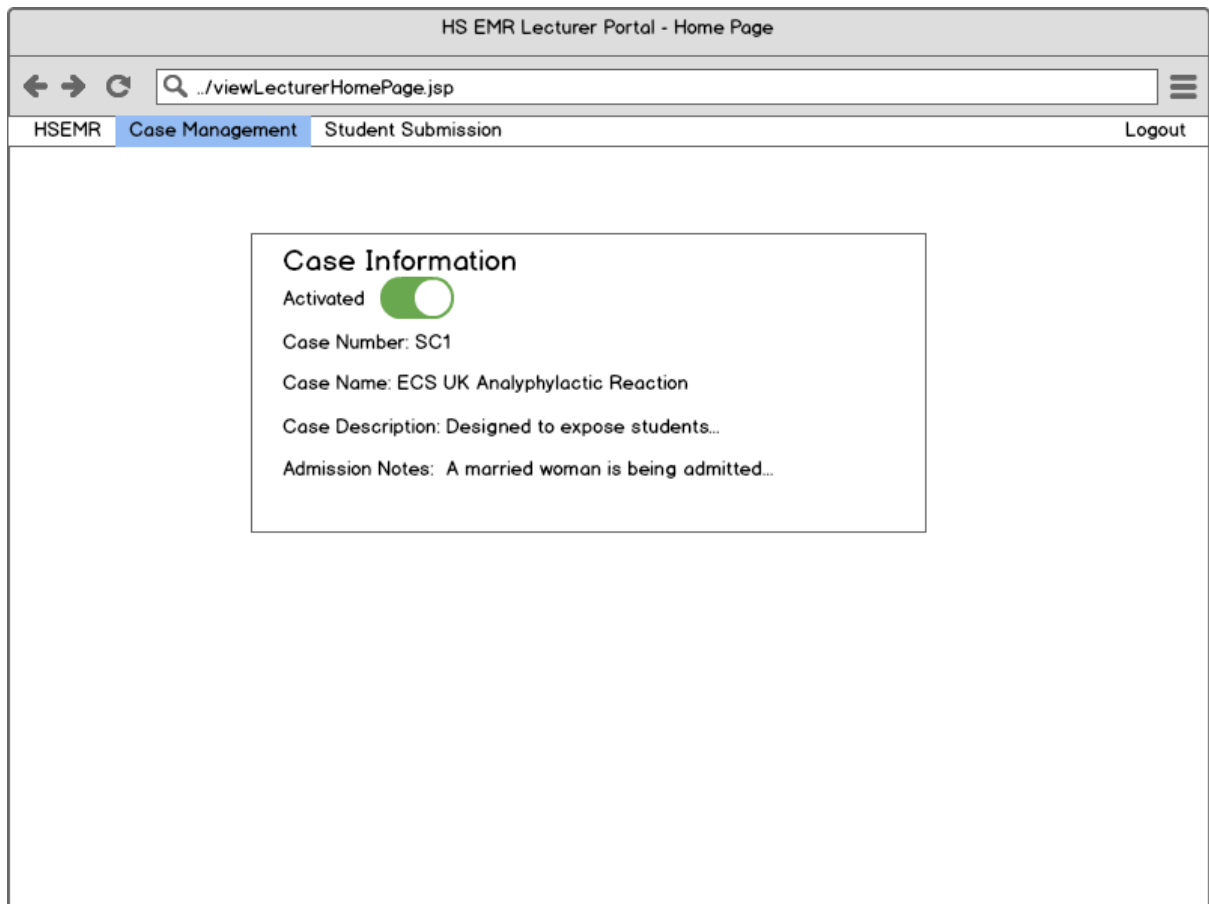
Sample screen when Define State(s) is clicked

3 Lecturer Portal

3.1 Manage Case

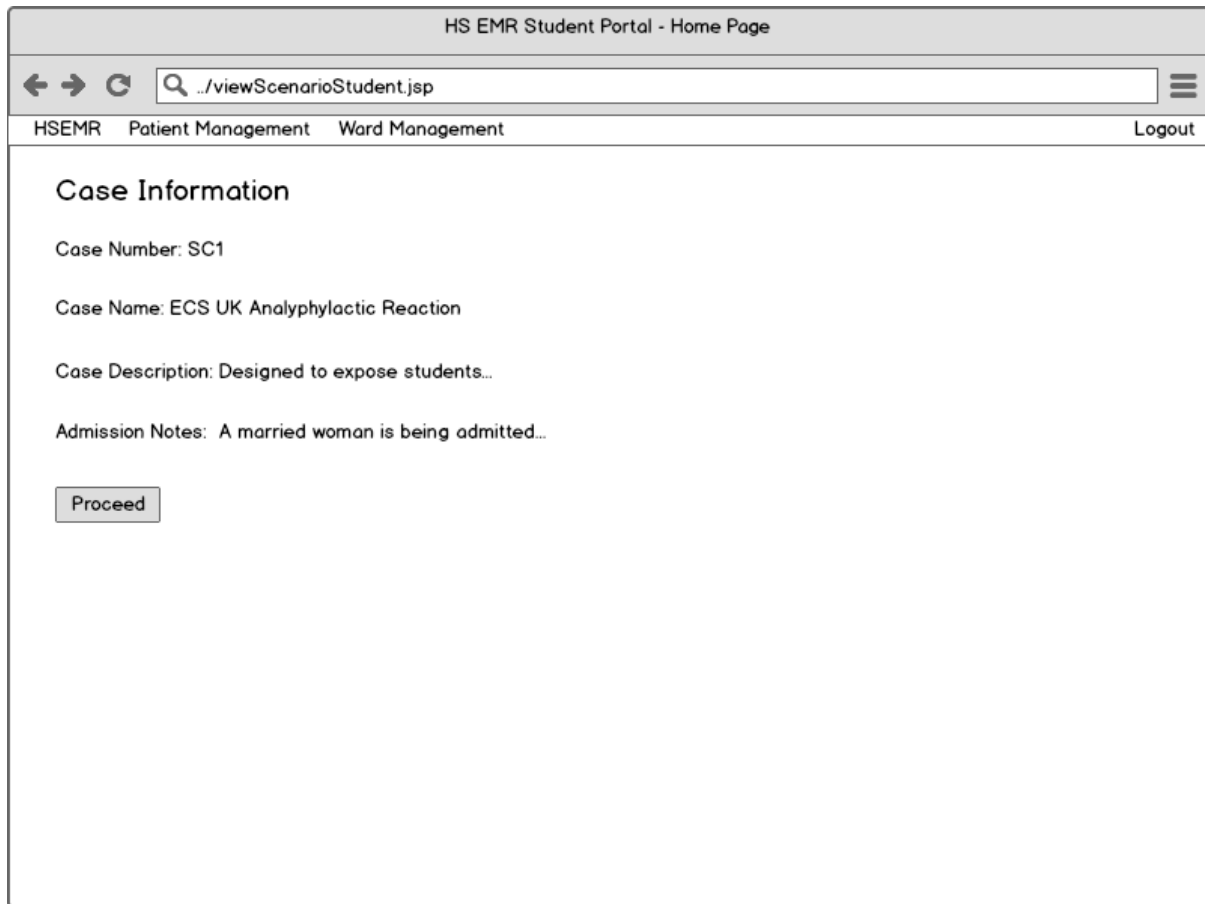
The screenshot shows a web browser window titled "HS EMR Lecturer Portal - Home Page". The address bar contains ".../viewLecturerHomePage.jsp". The navigation bar includes "HSEMR", "Case Management" (highlighted), and "Student Submission", with a "Logout" link on the right. The main heading is "All Cases". Below it is a grid of 10 square icons, each labeled "Case 1" through "Case 10".

When clicked, lecturer will be able to view case's information via a popup



4 Student's Portal

4.1 Home Page



The screenshot displays a web browser window titled "HS EMR Student Portal - Home Page". The browser's address bar shows the URL ".../viewScenarioStudent.jsp". Below the address bar, a navigation menu contains the links "HSEMR", "Patient Management", "Ward Management", and "Logout". The main content area is titled "Case Information" and contains the following details:

- Case Number: SC1
- Case Name: ECS UK Analphylactic Reaction
- Case Description: Designed to expose students...
- Admission Notes: A married woman is being admitted...

A "Proceed" button is located at the bottom of the case information section.

4.2 Patient's Information

4.2.1 Admission Notes

HS EMR Student Portal - Patient Information

← → ↺

Q

.../viewPatientInformation.jsp

≡

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

A married woman is being admitted to the hospital yesterday morning for a total abdominal hysterectomy with bilateral salpingo due to multiple large uterine fibroids. Over the past two years she had increasing pain that was not relieved with medication, excessively large menstrual flow, and long standing anemia refractory to standard treatment. Despite earlier recommendations from her healthcare provider to seek surgical intervention, she elected to wait due to multiple personal issues including her recent divorce and having two teenage children at home. During this time of postponing the surgery, she required two outpatient blood transfusions due to the severe anemia. Her significant preoperative lab values included a haemoglobin of 8.4 mmol and a

4.2.2 Investigation Reports

HS EMR Student Portal - Patient Information

← → ↺

Q

../viewPatientInformation.jsp

☰

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

☐ Chemistry
 ☒ FBC

Retrieve Reports

Report History

| Name | Type | Date Generated | |
|--------------|-------|-------------------|--------|
| X-Ray Report | X-Ray | 18-09-2014 8:00AM | |
| Heart Report | Heart | 15-09-2014 | 5:14PM |

4.2.3 Clinical Chart (Vital Signs)

HS EMR Student Portal - Patient Information

← → ↻

Q ../viewPatientInformation.jsp

☰

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male Allergy: Seafood

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

| Vitals | Last Updated as of 17-10-2014 2pm | Current as of 18-10-2014 3pm |
|-----------------------------|-----------------------------------|------------------------------|
| Temperature | 37.0 | <input type="text"/> |
| Respiratory Rate | 11 | <input type="text"/> |
| Blood Pressure | 111/21 | <input type="text"/> |
| Heart Rate | 11 | <input type="text"/> |
| SPO | 100% | <input type="text"/> |
| Intake - Oral/Intragastrics | food | <input type="text"/> |
| Intake - Intravenous | | <input type="text"/> |
| Output | 11ml | <input type="text"/> |

Update Vitals

4.2.4 Medication

HS EMR Student Portal - Patient Information

← → ↺

Q

../viewPatientInformation.jsp

☰

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

Step 1: Scan Patient Barcode

Step 2: Scan Medication Barcode

| Medicine Barcode | Medication Name | Route | Dosage | Frequency | Doctor Name | Last Administered |
|------------------|-----------------|-------|--------|-----------|-------------|-------------------|
| | Epinephrine | P.O | 200ml | Q.AM | James | 15-09 10AM |
| | Chlobax | P.O | 200ml | Q.AM | James | NA |

Administer

10

4.2.5 Multidisciplinary Notes

HS EMR Student Portal - Patient Information

← → ↺

Q

../viewPatientInformation.jsp

☰

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

Group Members

Multidisciplinary Notes

Submit

Cancel

HS EMR Student Portal - Patient Information

←

→

↺

🔍

../viewPatientInformation.jsp

≡

HSEMR

Patient Management

Ward Management

Logout

Patient's Information

Name: James Tan NRIC: S1231231A DOB: 10/10/1998 Gender: Male

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

Tutorial Group

Group Members

Multidisciplinary Notes

Submit

Cancel