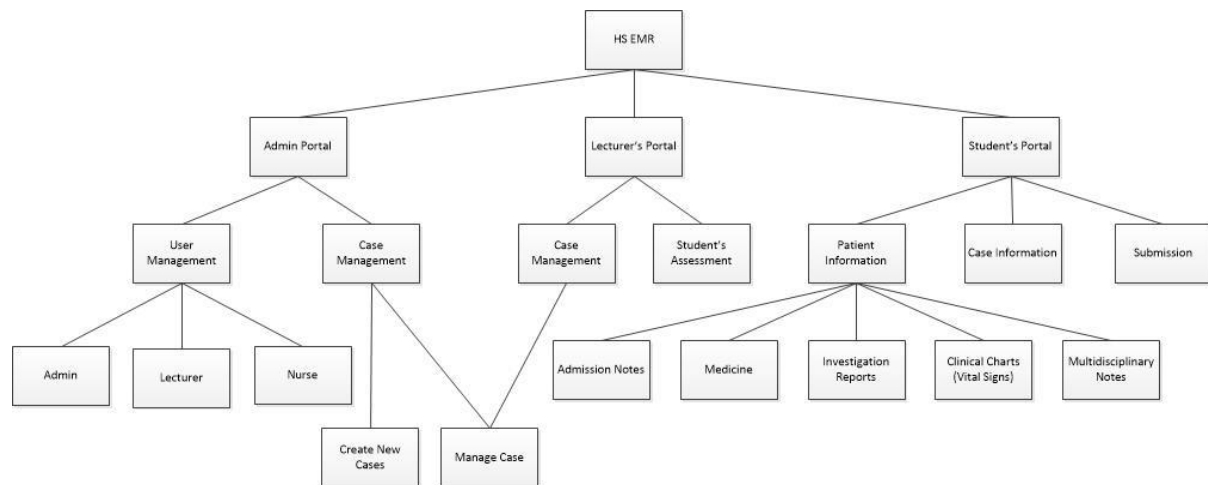


# HS EMR UI Prototype (Low Fi) v2

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## 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 '.\_/viewAdminAccount.jsp'. The page title is 'Administrator Accounts Management'. Below the title 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' shows 'logged in' and 'edit' buttons, while for 'admin2' it shows 'delete' and 'edit' buttons. Below the table is a 'Create New Account' button. The page also includes a 'Logout' link in the top right corner.

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

Gender ☐ Male ☐ Female

Weight

Race

Patient's NRIC

Date of Birth

Height

Religion

Patient's NRIC

Marital Status

Occupation

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 Information

Default Vital Signs

Respiratory Rate

SPO

Temperature

Blood Pressure

Intake

Heart Rate

Output

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 shows the URL ".../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, Output, and Temperature. An "Add New Scenario" button is at the bottom center.

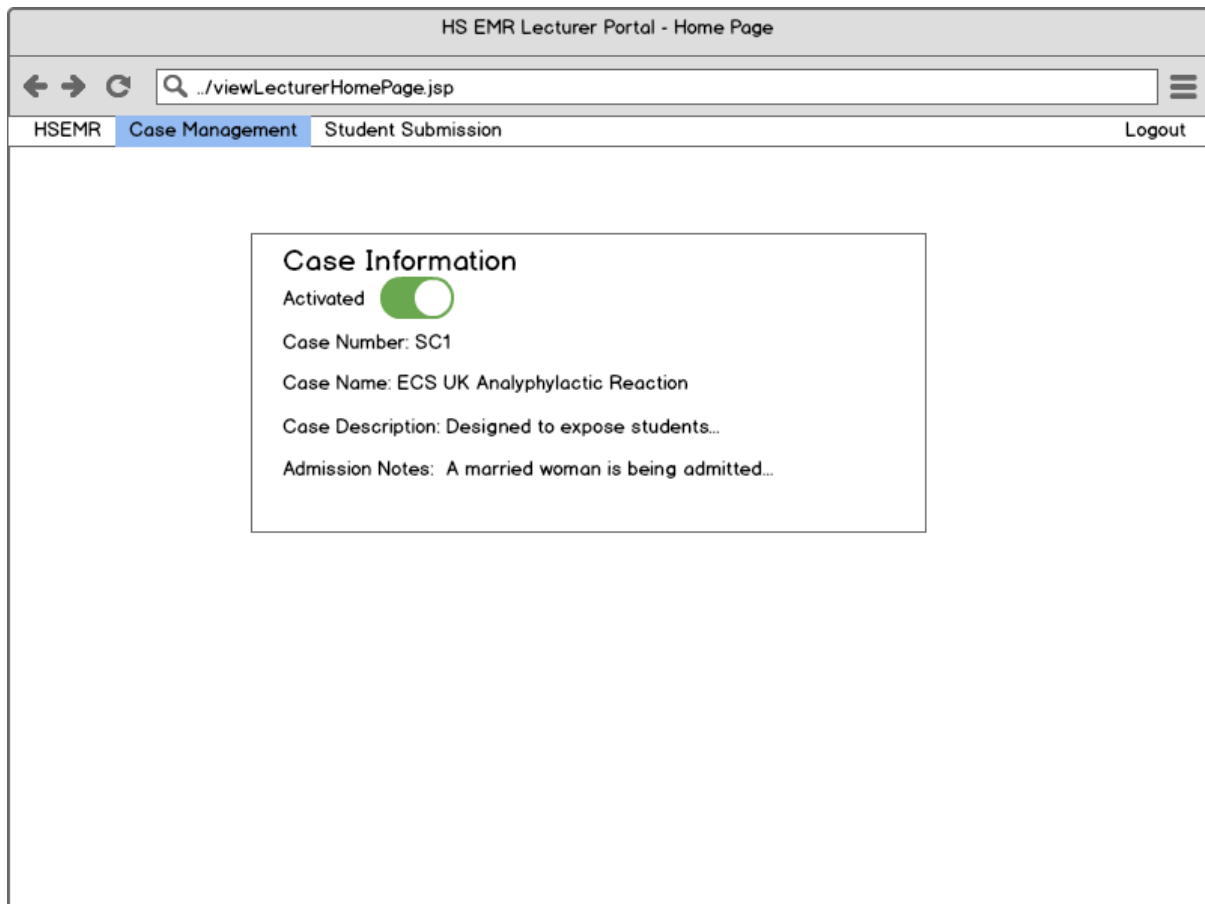
*Sample screen when Define State(s) is clicked*

### 3 Lecturer Portal

#### 3.1 Manage Case

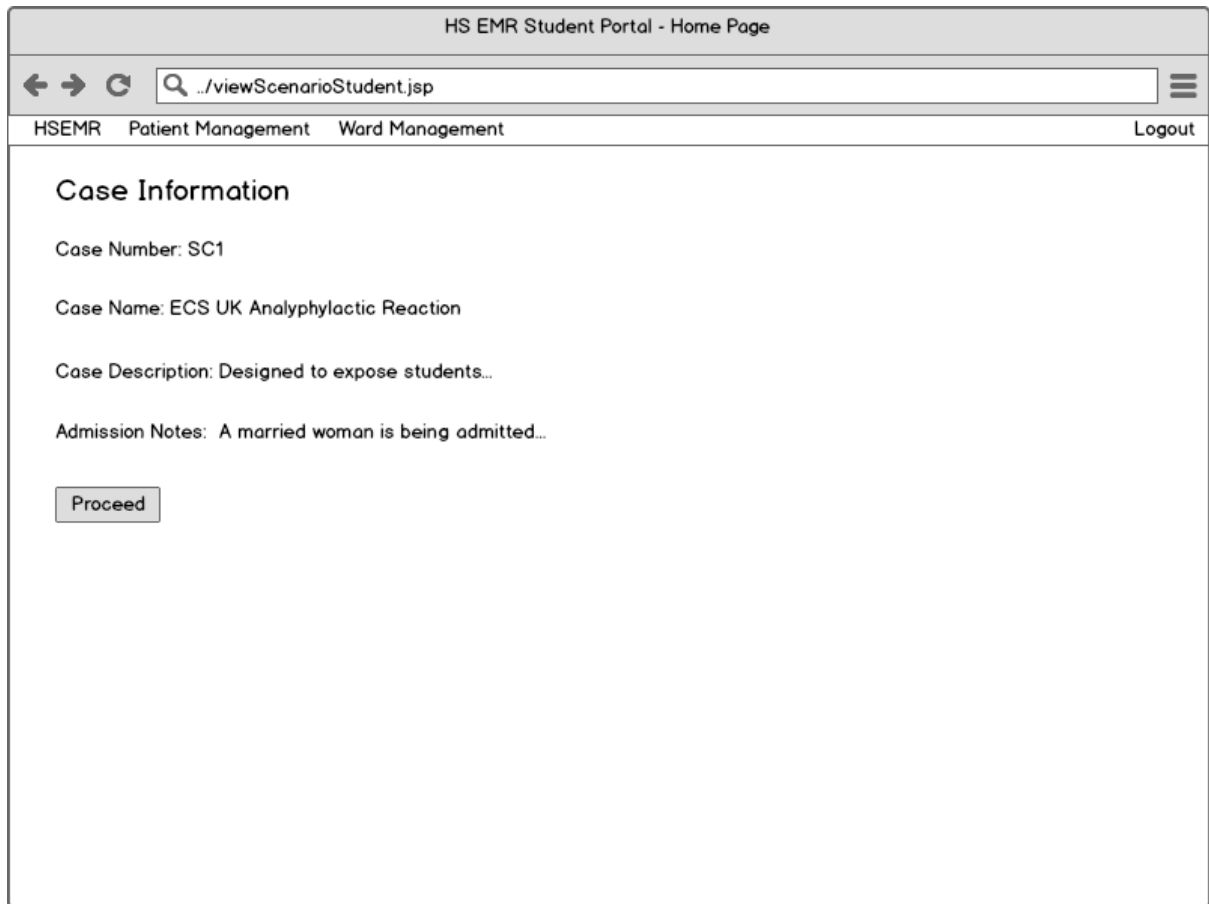
The screenshot shows a web browser window titled "HS EMR Lecturer Portal - Home Page". The address bar shows the URL ".../viewLecturerHomePage.jsp". The navigation bar includes "HSEMR", "Case Management" (highlighted), and "Student Submission", with a "Logout" link on the right. The main heading is "All 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 Anaphylactic 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

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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

Admission Notes

Multidisciplinary Notes

Investigations

Medication

Clinical Chart

Vitals	Last Updated	Current
Respiratory Rate	111	<input type="text"/>
Blood Pressure	111/21	<input type="text"/>
Heart Rate	11	<input type="text"/>
SPO	100%	<input type="text"/>
Intake	food	<input type="text"/>
Output	11ml	<input type="text"/>

Update Vitals

9

#### 4.2.4 Medication

HS EMR Student Portal - Patient Information

← → ↺

Q

../viewPatientInformation.jsp

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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

← → ↺

🔍 ../viewPatientInformation.jsp

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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

HS EMR Student Portal - Patient Information

←

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↺

🔍 ../viewPatientInformation.jsp

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HSEMR

Patient Management

Ward Management

Logout

Patient's Information

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

Admission Notes

Multidisciplinary Notes

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Submit

Cancel