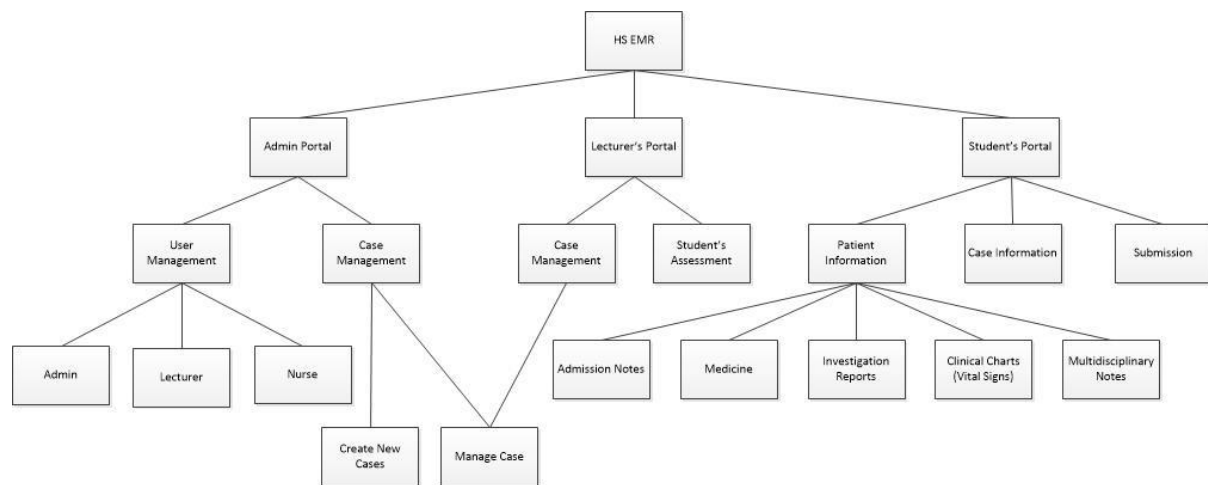


HS EMR UI Prototype (Med Fi) v4

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

HS EMR Admin Portal - Administrator Accounts Management

Browser address: ../viewAdminAccount.jsp

Navigation: HSEMR Case Management User Management Logout

Administrator Accounts Management

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

HS EMR Admin Portal - View Scenario

← → ↻

Q /viewScenarioAdmin.jsp

≡

HSEMR Case Management User Management Logout

Case Management

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 Edit State

Edit State Information

← → ↻

Q

≡

[Edit Case Information](#) > [Edit State Information](#) > [Edit Medication](#) > Edit Report and Documents

Create State 3

State Description

Create State

Edit States

State 1

State 2

Save and Proceed

2.2.3 Edit Medication

Edit State Information

← → ↻ 🔍

[Edit Case Information](#) > [Edit State Information](#) > [Edit Medication](#) > Edit Report and Documents

Create Medication

Can't find the medicine you're looking for? Add new medicine here

State

Discontinue State

Medicine Name

Route

Frequency

Doctor's Name

Doctor's Order

Dosage

Add Medication

State	Medicine Barcode	Medicine Name	Route	Frequency	Doctor's Name	Doctor's Order	Dosage
State 1	DIGOXIN	Digoxin	P.O	eon	Dr. Tan	medication eon at IVP	10ml

Save and Proceed

2.2.4 Create New Case

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

HS EMR Admin Portal - Create Scenario

← → ↻ 🔍 /createScenario.jsp

HSEMR Case Management User Management Logout

Case Set Up

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

User Management

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

User Management

Respiratory Rate Blood Pressure Heart Rate

SPO Intake Output

Temperature

Define State(s)

Add New Scenario

Sample screen when Default Vital Signs 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
Define State(s)

State Description

Respiratory Rate
Blood Pressure
Heart Rate

SPO
Intake
Output

Temperature

Add New Scenario

Sample screen when Define State(s) is clicked

2.2.5 Create Medication

Edit State Information

← → ↻ 🔍

[Edit Case Information](#) > [Edit State Information](#) > [Edit Medication](#) > Edit Report and Documents

Create Medication

Can't find the medicine you're looking for? Add new medicine here

State

Discontinue State

Medicine Name

Route

Frequency

Doctor's Name

Doctor's Order

Dosage

Add Medication

2.2.6 Upload Reports

Edit Report and Documents

[Edit Case Information](#) > [Edit State Information](#) > [Edit Medication](#) > Edit Report and Documents

Upload Report and Document

Upload new Reports [Add](#)

There are no reports(s) uploaded yet.

Upload new Documents [Add](#)

There are no document(s) uploaded yet.

Save and Proceed

3 Lecturer Portal

3.1 Manage Case

HS EMR Lecturer Portal - Home Page

[HSEMR](#) [Case Management](#) [Student Submission](#) [Logout](#)

All Cases

Case 1 Case 2 Case 3 Case 4 Case 5

Case 6 Case 7 Case 8 Case 9 Case 10

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

HS EMR Lecturer Portal - Home Page

← → ↺

🔍 .../viewLecturerHomePage.jsp

☰

HSEMR

Case Management

Student Submission

Logout

Case Information

Activated ☒

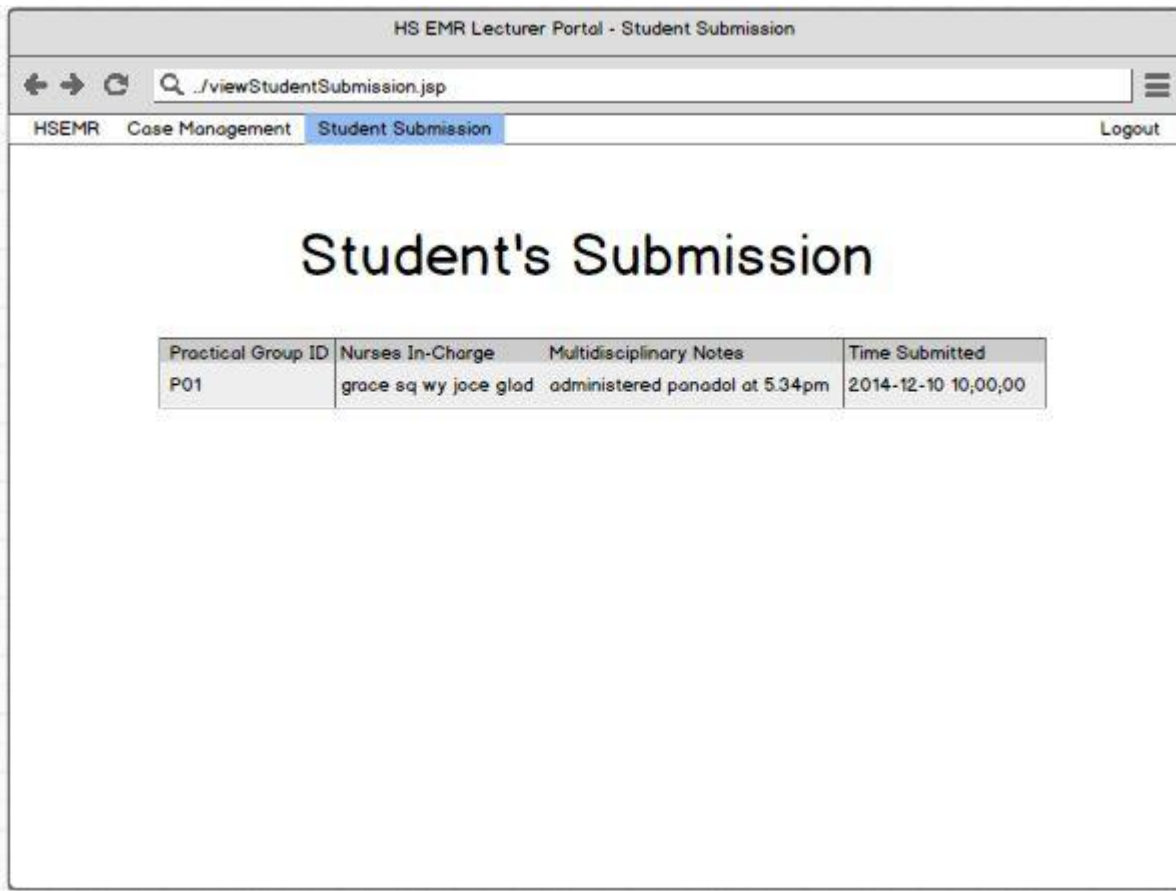
Case Number: SC1

Case Name: ECS UK Analyphylactic Reaction

Case Description: Designed to expose students...

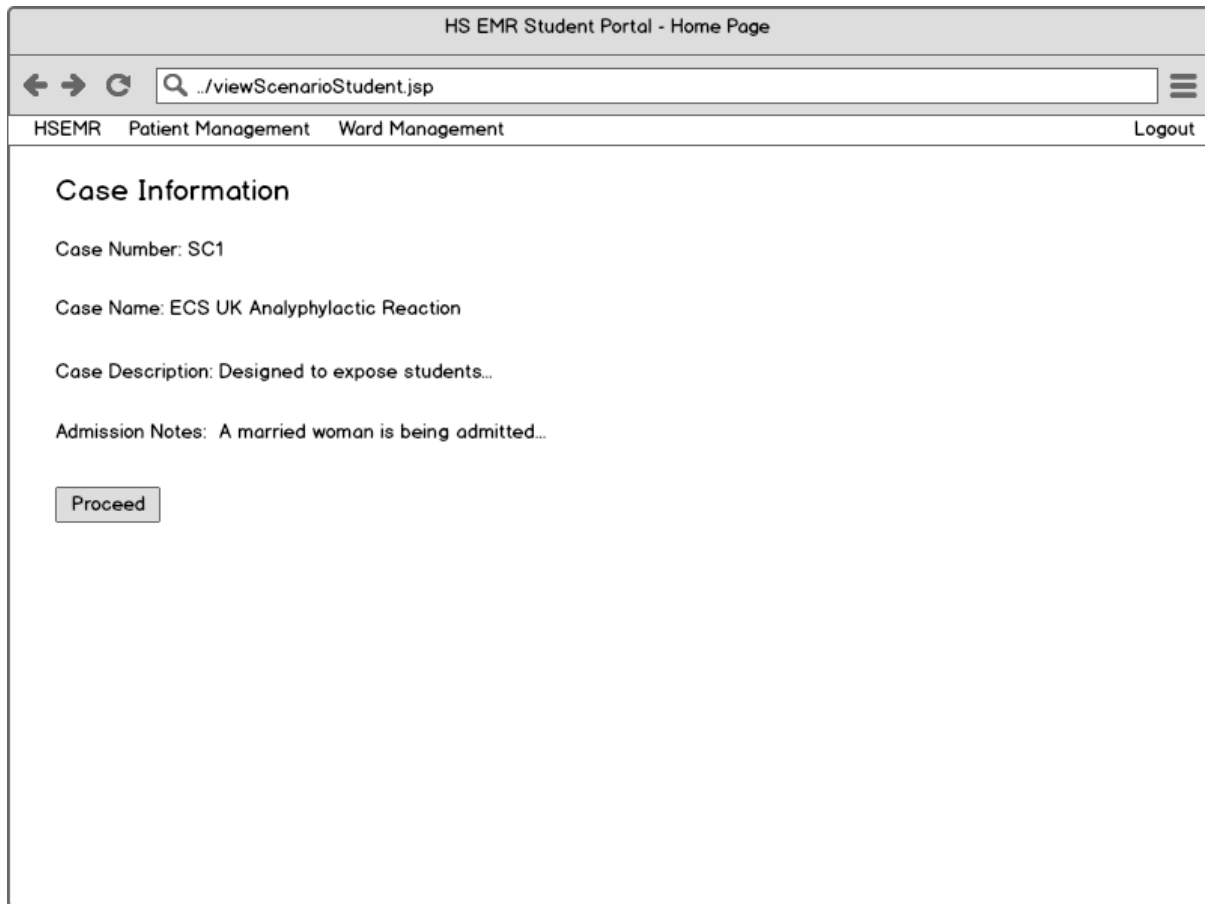
Admission Notes: A married woman is being admitted...

3.2 View Submissions



4 Student's Portal

4.1 Home Page



The screenshot displays the 'HS EMR Student Portal - Home Page'. At the top, a navigation bar includes links for 'HSEMR', 'Patient Management', 'Ward Management', and a 'Logout' button. Below this is a search bar with the text '.../viewScenarioStudent.jsp' and a magnifying glass icon. 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

12

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

Temperature

View Chart

Respiration

Blood Pressure

Heart Rate

SPO2

Intake

Intake

Output

Current as of 18-10-2014 3p

Historial Temperature Chart

Update Vitals

13

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

14

4.2.5 Multidisciplinary Notes

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

Group Members

Multidisciplinary Notes

Submit

Cancel

4.2.6 Documents

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

Investigations

Clinical Charts

Medication

Multidisciplinary Notes

Documents

Consent Name	Date and Time	Procedure Ordered	Action
Oesophagogastroduodenoscopy and Biopsy	18-09-2014 8:00AM	Blood Transfusion	Obtain Consent