Group Assignment 2

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Possible use-cases:

Case 1: Adding a patient manually.

Scope: clinical trial application

Level: user goal

Primary actor: nurse

Stakeholders and interest:

Nurses: want a computerized easy-to-use system to record data taken for a clinical trial conducted on each patient.

Clinic management: want a robust system to keep record of every trail conducted by their nurses, either from the same clinic or a partner clinic.

Precondition: log in into the computer or the tablet and opens the application

Post condition: A patient reading is successfully added

Main Success Scenarios:

- Nurse finishes a trail and records the patient data into their journals

-Nurse logs in into the computer or the tablet and opens the application

- Nurse adds a patient to a trail, by manually creating a new entry using patient’s ID.

-Nurse starts a trail by clicking on the button on the main menu of the GUI screen identified as “start patient Trail”

-Nurse uses the data fields to enter reading id, reading date, reading type, and reading value.

-Nurse clicks the button “add” on the main menu of the GUI screen to add readings associated with the selected patient.

Some possible alternative flows:

Alternative flow case 1:

In case a nurse tries to enter data for a patient without starting a trail they should be notified by a popup message reminding them to start the trail first.

Case 2: Saving patient’s reading to a JSON file

Scope: clinical trial application

Level: user goal

Primary actor: nurse

Stakeholders and interest:

Nurses: want a computerized easy-to-use system to record data taken for a clinical trial conducted on each patient.

Clinic management: want a robust system to keep record of every trail conducted by their nurses, either from the same clinic or a partner clinic.

Precondition: nurse login into the computer or the tablet and opens the application

Post condition: all the data associated with patients is successfully saved into a JSON file

Main Success Scenarios:

- Nurse finishes a trail and records the patient data into their journals

-Nurse logs in into the computer or the tablet and opens the application

- Nurse adds a patient to a trail, by manually creating a new entry using patient’s ID.

-Nurse starts a trail by clicking on the button on the main menu of the GUI screen identified as “start patient Trail”

-Nurse uses the data fields to enter reading id, reading date, reading type, and reading value.

-Nurse clicks the button “add” on the main menu of the GUI screen to add readings associated with the selected patient.

-Nurse open the file management tab to create a new JSON file, containing all the manually entered data.

-nurse selects the button “save as JSON file”, and then get prompt by window which allows to select the desired directory to save the file.

Some possible alternative flows:

Alternative flow case 2:

In case a nurse tries to enter data for a patient without starting a trail they should be notified by a popup message reminding them to start the trail first.

In case a nurse select a file that is not of type JSON the program should handle the exception and prompt a message.

Case 3: Load data form an XML files to the application

Scope: clinical trial application

Level: user goal

Primary actor: nurse

Stakeholders and interest:

Nurses: want a computerized easy-to-use system to record data taken for a clinical trial conducted on each patient.

Clinic management: want a robust system to keep record of every trail conducted by their nurses, either from the same clinic or a partner clinic.

Precondition: nurse login into the computer or the tablet and opens the application

Post condition: patient data is loaded to the application from an external XML file

Main Success Scenarios:

-Nurse logs in into the computer or the tablet and opens the application

- Nurse adds patients to a trail, by loading an XML file containing patient information and the readings associated with each.

-Nurse open the file management tab to create a new JSON file containing all the manually entered data.

-nurse selects the button “save as JSON file” and then get prompt by window which allows to select the desired directory to save the file.

Some possible alternative flows:

Alternative flow case 3:

In case a nurse selects a file that is not of type JSON the program should handle the exception and prompt a message.

Case 4:Show information related to a patient

Scope: clinical trial application

Level: user goal

Primary actor: nurse

Stakeholders and interest:

Nurses: want a computerized easy-to-use system to record data taken for a clinical trial conducted on each patient.

Clinic management: want a robust system to keep record of every trail conducted by their nurses, either from the same clinic or a partner clinic.

Precondition: log in into the computer or the tablet and opens the application

Post condition: A patient’s reading information is shown by the application

Main Success Scenarios:

-Nurse logs in into the computer or the tablet and opens the application

- Nurse adds patients to a trail, by loading an XML file containing patient information and the readings associated with each.

Nurse selects the tab “Patient info” from “main menu”, and select one patient form the drop list

Nurse selects “Show patient Info”. A window opens containing all data associated with the selected patient.

Some possible alternative flows:

Alternative flow case 4:

In case a nurse selects a file that is not of type JSON the program should handle the exception and prompt a message.