CSCI 213

**FINAL PROJECT**

Part 3A

**Team members:**

Luke Meincke

Devin Gluesing

1. Identify Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement N** | **Description** | **Use-case Number** |
| REQ1 | Login as patient/doctor | UC-1.00 |
| REQ2 | Manage Test Results | UC-2.00 |
| REQ3 | Manage Appointments | UC-3.00 |
| REQ4 | Manage Medication Info | UC-4.00 |
| REQ5 | Manage inbox/messages | UC-5.00 |
| REQ6 | Search for patient by ID/name | UC-6.00 |
|  |  |  |

1. Use-case diagram for Patient.
2. Use-case diagram for Doctor.
3. Use-case Description for “Make an Appointment with Doctor”

# Use Case # [number: name]

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Intent** | [a summary statement of the purpose of the use case] |
| **Primary Actor** | [role name for the primary actor, <optional description>] |
| **Secondary Actors** | [role names of other actors (could be systems) relied upon to accomplish use case] |
| **Preconditions** | [what we expect is already the state of the world] < [pointer to precondition object model]> |
| Assumptions | [any assumptions relative to this use case] |
| **Success Post Condition** | [the state of the world upon successful completion] < [pointer to post condition object model]> |
| **Failed Post Condition** | [the state of the world if use case abandoned] <[pointer to post condition object model]> |

|  |  |
| --- | --- |
| **MAIN SUCCESS SCENARIO** | |
| **Step** | **Action** |
| S | [description in words of the main success scenario] <[pointer to scenario and or activity diagrams for the main success scenario]> |
| 1 | ["This use case starts when …" followed by the trigger.] |
| 2 | [step description… <"included" use case pointer>] |
| 3 | [step description… <"included" use case pointer>] |
| 4 | ["This use case ends when …" the final step in main success scenario.] |

|  |  |
| --- | --- |
| **ALTERNATIVE SCENARIOS** | |
| **Step** | **Branching Action** |
| *n..m* | [description in words of the extension scenario] <[pointer to scenario diagrams for the extension scenario]> |
| [An extension scenario indicates the step or range of steps in the main success scenario where possible branching occurs, and the resulting actions which vary from the main success scenario. Identify the step number of main scenarios where branching action occurs (*n*), and list the condition followed by the actions.]  [na. Condition causing branching:]  [*n*a1. Action (or name and number of “extend” use case)]  [*n*a2. Action (or name and number of “extend” use case)] |
|  |  |

1. Activiti diagram for “Make an Appointment with Doctor”
2. 10 user-stories for the Online Hospital system

|  |  |
| --- | --- |
| **As a** | **I should be able** |
| Patient | Login to my dashboard |
| Patient | Access my test results |
| Patient | Manage my appointments |
| Patient | Access my medication |
| Patient | Manage my message inbox |
| Doctor | Login to my doctor specific dashboard |
| Doctor | Manage my patient’s test results |
| Doctor | Manage my appointments |
| Doctor | Manage my patient’s medications |
| Doctor | Manage my message inbox |

# Use Case # 1.00 : Patient/Doctor Login

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Intent** | Allow registered users (patient or doctor) to access a medical webportal |
| **Primary Actor** | Patients/Doctors |
| **Secondary Actors** | Admins |
| **Preconditions** | No users logged in |
| Assumptions | Users are already registered with the hospital |
| **Success Post Condition** | Brings user to their dashboard, where they can interact with the hospital |
| **Failed Post Condition** | Access not allowed, redirected back to login page |

# Use Case # 2.00 : Manage Test Results

|  |  |
| --- | --- |
| **GENERAL CHARACTERISTICS** | |
| **Intent** | Allow patients to view test results, and doctors to provide test results |
| **Primary Actor** | Patients |
| **Secondary Actors** | Dependent on doctor’s input from testing and/or appointment |
| **Preconditions** | Patient has completed an appointment with doctor |
| Assumptions | Doctor provides test results if tests were conducted |
| **Success Post Condition** | User can view test, doctors can edit test results |
| **Failed Post Condition** | No tests are shown |