CSCI 213

**FINAL PROJECT**

Part 3A

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1. Identify Functional Requirements

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| **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]

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| **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]> |

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| **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.] |

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| **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

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| --- | --- |
| **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 |

# Description for “Make an Appointment with Doctor”

# Use Case # 1.00 : Patient Login

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| **GENERAL CHARACTERISTICS** | |
| **Intent** | Allow registered patient to access a medical web portal |
| **Primary Actor** | Patients |
| **Secondary Actors** | Doctor |
| **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 # 3.00 : Manage Appointments

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| **GENERAL CHARACTERISTICS** | |
| **Intent** | Allow patients to view/make/cancel appointments |
| **Primary Actor** | Patients |
| **Secondary Actors** | Doctors |
| **Preconditions** | Patient is a registered user in the system and must be logged in |
| Assumptions | A doctor is available |
| **Success Post Condition** | Patient is allowed to make appointment, view appointments (past and future), and cancel appointments |
| **Failed Post Condition** | Patient is brought back to home dashboard |

# Use Case # 3.11 : Request Doctor for Appointment

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| **GENERAL CHARACTERISTICS** | |
| **Intent** | Patients are able to see what doctors are available |
| **Primary Actor** | Patients |
| **Secondary Actors** | Doctors |
| **Preconditions** | Patient has logged in and on manage appointments page |
| Assumptions | Doctor is in system database |
| **Success Post Condition** | Patient selects doctor, moves on to select date |
| **Failed Post Condition** | Patient is brought back to appointment dashboard |

# Use Case # 3.12 : Request Time and Date for Appointment

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| **GENERAL CHARACTERISTICS** | |
| **Intent** | Patients are able to see when doctors are available |
| **Primary Actor** | Patients |
| **Secondary Actors** | Doctors |
| **Preconditions** | Doctor must be available |
| Assumptions | Doctor is available and open |
| **Success Post Condition** | Patient schedules appointment with doctor on requested date |
| **Failed Post Condition** | Patient is brought back to request different time |

# Use Case # 5.10 : Confirmation Message

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| **GENERAL CHARACTERISTICS** | |
| **Intent** | Patients are sent a confirmation email |
| **Primary Actor** | Patients |
| **Secondary Actors** | Doctors |
| **Preconditions** | Patient has successfully made an appointment |
| Assumptions | Doctor is informed of appointment |
| **Success Post Condition** | Patient gets message confirming appointment, and meeting is scheduled |
| **Failed Post Condition** | Patient is brought back to inbox dashboard |

# Success scenario for “Make an Appointment with Doctor”

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| **MAIN SUCCESS SCENARIO** | |
| **Step** | **Action** |
| 1 | For successfully going through the program the user would login(UC-1) successfully click on the “Create New Appointment” link and create an appointment without any issues(UC-3). Once the appointment is created a confirmation message would be sent to the patient’s inbox |
| 2 | UC-1 starts right away when the patient does a login and goes from there if the user types in their username and password correctly |
| 3 | Once the user is successfully logged in the user will want to click the “Create New Appointment” link |
| 4 | In “Create New Appointment” tab UC-3.1 – UC.3.3 starts. Where in this scenario the user will want to Click Make new appointment |
| 5 | The next step for making a new appointment would be to select a department for the appointment |
| 6 | After department is selected the user will pick what doctor they want to see. |
| 7 | When the doctor is selected the user will then have to pick a time to se the doctor at. With the time not conflicting with any other appointments the patient has |
| 8 | Once the appointment is scheduled the user will get a conformation message sent to there inbox |

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| **ALTERNATIVE SCENARIOS** | |
| **Step** | **Branching Action** |
|  | [When a user logins (UC-1) then gets to the “Create New Appointment” Tab and starts selecting all the options for making an appoint. Two things can happen. The first being doctor is not available for some reason. The other being the time they want is not available] |
| [Doctor is unavailable:]  [*n*a1. Action (select new doctor(UC-3)]  [Doctor is unavailable at requested time:]  [*n*a1. Action (select new different time period(UC-3)] |