|  |  |
| --- | --- |
| Use Case # | AddNewProblem |
| Related User Story | US 01.01.01, US 01.01.02, US 01.01.03 |
| Participating Actors | User |
| Goal | User adds a new problem |
| Trigger | User chooses the new problem option |
| Precondition | 1. User has a title for the problem 2. User has a description for the problem 3. User has a Start date of the problem  4. User is a patient |
| Postcondition | On success:  1. A new problem has been created  2. A message indicating success is displayed. |
| Basic Flow | 1. System prompts the user to enter a title, date started, and a brief description on a single screen 2. User enters title 3. User taps the start date 4. User selected a start date from the calendar shown 5. User enters a brief description 6. User chooses to save the problem 7. System saves the problem 8. System displays success message |
| Exceptions | 6. The information the User has entered has violated a constraint 6.1 System displays error message to the User, telling User the constraint that was violated 6.2 System prompts the User to fix the violated constraint |
| Qualities | System is fast, responsive and reactive. If system is offline, the record is saved locally and then synced when the system is online. |
| Constraints | 2.1 Problem title is required  2.2 Problem title is unique  2.3 Problem title must be no more than 30 characters  4.1 Problem’s start date is required  5.1 Problem description is required  5.2 Problem description is unique  5.3 Problem description must be no more than 300 characters |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | ViewProblems |
| Related User Story | US 01.02.01 |
| Participating Actors | User |
| Goal | User views the problems they have recorded |
| Trigger | User chooses the view problems option |
| Precondition | 1. User is a patient |
| Postcondition | On success:  1. A list of the user’s problems is displayed |
| Basic Flow | 1. System displays user’s problems |
| Exceptions | 1 User has no problems  1.1 System displays a message for the user saying that the user has recorded no problems. |
| Qualities | System is fast, responsive and reactive. If system is offline, the locally saved records are shown. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | EditProblem |
| Related User Story | US 01.01.02, US 01.01.03, US 01.03.01 |
| Participating Actors | User |
| Goal | User edits a problem |
| Trigger | User chooses the Edit problem option |
| Precondition | 1. User knows the problem to be edited  2. Problem to be edited has already been recorded  3. User is a patient |
| Postcondition | On success:  1. The problem has been edited and stored  2. A message indicating success is displayed. |
| Basic Flow | 1. System displays the problem to be edited with a title, date started, and a brief description on a single screen 2. User optionally edits title 3. User optionally taps the start date 4. User optionally edits the start date from the calendar shown 5. User optionally edits brief description 6. User chooses to save the changes to the problem  7. System saves the problem 8. System displays success message |
| Exceptions | 6. The information the User has entered has violated a constraint 6.1 System displays error message to the User, telling User the constraint that was violated 6.2 System prompts the User to fix the violated constraint |
| Qualities | System is fast, responsive and reactive. If system is offline, the record is saved locally and then synced when the system is online. |
| Constraints | 2.1 Problem title is required  2.2 Problem title is unique  2.3 Problem title must be no more than 30 characters  4.1 Problem’s start date is required  5.1 Problem description is required  5.2 Problem description is unique  5.3 Problem description must be no more than 300 characters |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | DeleteProblem |
| Related User Story | US 01.04.01 |
| Participating Actors | User |
| Goal | The problem that the user wanted to delete has been deleted |
| Trigger | User chooses to delete problem option |
| Precondition | 1. User knows the problem to be deleted  2. Problem to be deleted has already been recorded  3. User is a patient |
| Postcondition | On success:  1. A problem has been deleted  2. Any records associated with the problems have been deleted  2. A message indicating success is displayed. |
| Basic Flow | 1. System warns user that the problem and all associated records will be deleted.  2. System prompts the user to continue or cancel  3. System deletes all associated records  4. System deleted problem  5. System displays success message |
| Exceptions | 2 User cancels deletion of problem  2.1 System returns to previous screen |
| Qualities | System is fast, responsive and reactive. If system is offline, the record is saved locally and then synced when the system is online. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | AddNewRecord |
| Related User Story | US 01.05.01, US 02.02.01, US 02.03.01, US 02.04.01, US 02.05.01, US 02.06.01, US 02.08.01, US 02.09.01, US 09.01.01, US 09.01.02, |
| Participating Actors | User |
| Goal | A new record associated with the desired problem has been added. |
| Trigger | User chooses add record option. |
| Precondition | 1. User knows the problem for which they want to add a new record  2. User has previously recorded the problem for which they want to add the new record  3. User is a patient |
| Postcondition | On success:  1. A new record has been added with an associated problem  2. A message indicating success is displayed. |
| Basic Flow | 1. System prompts the user to select a problem to associated with the record  2. User selects the problem  3. System adds a time stamp to the record  4. System reminds user to take photos in similar conditions as the other photos.  5. System prompts the user to add a geo-location, body location, title, comment and photo to the record.  6. User optionally enters a title  7. User optionally enters a comment  8. User optionally geo-codes the record  9. User optionally attaches one or more photos of the problem  10. User saves the record  11. System created the record  12. System displays a success message |
| Exceptions | 7. Location data for the app has not been enabled  7.1 System displays error message stating that it failed to add location data to the record.  8. System cannot access the photo directory on the device  8.1 System displays error message stating that it failed to attach the photo(s) to the record.  9 User attaches more than 10 photos  9.1 System displays error message stating that too many images has been added  9.2 System prompts the user to fix the issue |
| Qualities | System is fast, responsive and reactive. If system is offline, the record is saved locally and then synced when the system is online. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | ViewRecordsAssociatedWithProblem |
| Related User Story | US 02.01.01 |
| Participating Actors | User |
| Goal | User views the records associated with a problem |
| Trigger | User chooses to view records for a problem |
| Precondition | 1. User knows the problem for with they want to view records  2. A User has recorded the problem and records in the past  3. If user is care-provider, ensure they are assigned the patient  4. If a user is patient, no other requirements need to be fulfilled |
| Postcondition | On success:  1. All the records for a given problem are displayed, including its title, description and photo |
| Basic Flow | 1. System displays records for a given problem |
| Exceptions | 1. User has no problems  1.1 System displays a message indicating that a user has no problem recorded  1 User is care-provider and is not assigned to the patient |
| Qualities | System is fast, responsive and reactive. If system is offline, the locally saved records are shown. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | MakeSlideshowOfPhotoRecordsOfProblem |
| Related User Story | US 02.10.01 |
| Participating Actors | User |
| Goal | User views a slideshow of the photo records of a problem. |
| Trigger | User chooses to view a slideshow of the photo records of a problem. |
| Precondition | 1. User knows the problem for with they want to view photo records of  2. User has recorded the problem and records in the past  3. User is patient |
| Postcondition | On success:  1. All the photo records of a given problem are shows as a slideshow |
| Basic Flow | 1. System displays photo records for a given problem in chronological order |
| Exceptions | 1. User has no problems  1.1 System displays a message indicating that a user has no problem recorded  1 User has no photo records for a problem  1.1 System displays a message indicating that a user has no photo records for the problem |
| Qualities | System is fast, responsive and reactive. If system is offline, the locally saved records are shown. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes |  |
| Open Issues |  |

|  |  |
| --- | --- |
| Use Case # | AddNewUserAccount |
| Related User Story | US 03.01.01, US 03.01.02, US 03.01.03, |
| Participating Actors | User |
| Goal | User creates new account |
| Trigger | User chooses the AddNewUserAccount(sign-up) option |
| Precondition | 1. User must be online  2. User must know the unique userid they want to use  3. User must know their contact information  4. User must know if they are patient or care-provider |
| Postcondition | On success:  1. All the photo records of a given problem are shows as a slideshow |
| Basic Flow | 1. System displays photo records for a given problem in chronological order |
| Exceptions | 1. User has no problems  1.1 System displays a message indicating that a user has no problem recorded  1 User has no photo records for a problem  1.1 System displays a message indicating that a user has no photo records for the problem |
| Qualities | System is fast, responsive and reactive. If system is offline, the locally saved records are shown. |
| Constraints |  |
| Includes |  |
| Extends |  |
| Related Artifacts |  |
| Notes | Since no user stories for the creation of accounts for care-providers have been given, the requirements for patient’s user profiles have been extended to care-providers. |
| Open Issues |  |