Health App

Product Testing Plan

Version 1.3

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# Revision History

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| --- | --- | --- | --- |
| **Date** | **Description** | **Authors** | **Comments** |
| 11/02/2017 | Version 1.0 | Gayatri Patel  Melissa Heredia  Gopika Menon  Thanjila Uddin | Initial Draft |
| 11/03/2017 | Version 1.1 | Gayatri Patel  Melissa Heredia  Gopika Menon  Thanjila Uddin | Second Draft |
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| 12/03/2017 | Version 1.3 | Gayatri Patel  Melissa Heredia  Gopika Menon  Thanjila Uddin | Fourth Draft |

# Introduction

## Purpose

The purpose of the HealthApp Product Testing Plan is to provide the required information to successfully execute the defined test cases. This is to ensure that both the online and offline applications meet the requirements detailed in the HealthApp Requirement Specification document.

## References

The HealthApp Test Case Specification provides a detailed and standardized format of the test cases referenced in this Testing Plan document. Each test case can be traced back to a use case defined in the HealthApp Design Specification. Each use case can also be traced back to a functional or non-functional requirement in the HealthApp Requirements Specification.

# 1. Functional Testing

## 1.1 Approach

SQLite scripts will be used to reset and populate the database with the required data for each test case. A user will follow the stated instructions in the test case and view the result. This will ensure that all tests are performed with a controlled and expected dataset that is ideal for functional testing.

## 1.2 Pass/Fail Criteria

If all assumed results are recognized, then the test case is considered successful and is accepted as part of the test case document. If any unexpected results occur, or any expected results do not occur, the test case is considered a failure and must be reviewed.

## 1.3 Entry/Exit Criteria

The Entry Criteria of Functional Testing is the completion of Prototype 2.

The Exit Criteria of Functional Testing is the completion of all test cases that are listed.

## 1.4 Suspension/Resumption Criteria

The Suspension Criteria of Functional Testing is when a test case fails, or other factors prevent the test cases from being completed.

The Resumption Criteria of Functional Testing is when the preventative factors have been identified and resolved.

## 1.5 Risks/Issues

Most functional test requires executing a SQLite script that resets the database and populate it with data that is required for a test case. This introduces the possibility for error within SQLite script that may populate the database with unexpected data that can result in a false test failure.

## 1.6 Items to Be Tested

### 1.6.1 Offline and Online Application

#### 1.6.1.1 User Registration

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 1 | User Registration - Successful | User creates an account |
| TC - 2 | User Registration - Unsuccessful | User is not able to create an account |
| TC - 3 | Setup of Security Questions - Successful | Registered User selects and answers three Security Questions |
| TC - 4 | Setup of Security Questions - Unsuccessful | Registered User is not able to select and/or answer three Security Questions |
| TC - 5 | User Login - Successful | Registered User logs into their account |
| TC - 6 | User Login - Unsuccessful | Registered User is not able to log into their account |
| TC - 7 | Forgot Password - Successfully Answer Security Questions | If Registered User forgets their password, they are able to answer the three Security Questions they selected after Registration |
| TC - 8 | Forgot Password - Unsuccessfully Retrieve Security Questions | User (whether or not they are Registered) is not able to enter a valid Username for successful retrieval of their Security Questions |
| TC - 9 | Forgot Password - Unsuccessfully Answer Security Questions | If Registered User forgets their password, they are able to retrieve their three Security Questions, but they are not able to answer them |
| TC - 10 | Forgot Password - Successfully Reset Password | Registered User is able to successfully reset their password |
| TC - 11 | Forgot Password - Unsuccessfully Reset Password | Registered User is not able to reset their password |

#### 1.6.1.2 Medical Information

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 12 | Enter Personal Information - Successful | Registered User is able to input their Personal Information in the list and database |
| TC - 13 | Enter List of Doctors | Registered User is able to input their Doctor’s Information in the list and database |
| TC - 14 | Enter List of Illnesses/Diseases | Registered User is able to input their Illness/Disease Information in the list and database |
| TC - 15 | Enter List of Medications | Registered User is able to input their Medication Information in the list and database |
| TC - 16 | Enter List of Surgeries | Registered User is able to input their Surgery Information in the list and database |
| TC - 17 | Enter List of Allergies | Registered User is able to input their Allergy Information in the list and database |
| TC - 18 | Enter List of Vaccines | Registered User is able to input their Vaccine Information in the list and database |
| TC - 19 | Enter Medical History - Successful | Registered User is able to successfully input their Family Medical History and any Notes in the list and database |
| TC - 20 | Enter Insurance Information - Successful | Registered User is able to input their Insurance Information in the list and database |
| TC - 21 | Delete List of Doctors | Registered User is able to delete their Doctor’s Information from the list and database |
| TC - 22 | Delete List of Illnesses/Diseases | Registered User is able to delete their Illness/Disease Information from the list and database |
| TC - 23 | Delete List of Medications | Registered User is able to delete their Medication Information from the list and database |
| TC - 24 | Delete List of Surgeries | Registered User is able to delete their Surgery Information from the list and database |
| TC - 25 | Delete List of Allergies | Registered User is able to delete their Allergy Information from the list and database |
| TC - 26 | Delete List of Vaccines | Registered User is able to delete their Vaccine Information from the list and database |
| TC-27 | Edit Doctor Information | Registered User is able to edit their current Doctor information |
| TC-28 | Edit List of Illnesses/Disease | Registered User is able to edit their current Illness/Disease information |
| TC-29 | Edit List of Medication | Registered User is able to edit their current Medication information |
| TC-30 | Edit List of Surgeries | Registered User is able to edit their current Surgery information |
| TC-31 | Edit List of Allergies | Registered User is able to edit their current Allergy information |
| TC-32 | Edit List of Vaccines | Registered User is able to edit their current Vaccine information |
| TC-33 | View Medical Summary | Registered User is able to view their full Medical Information on one page |

#### 1.6.1.3 Documents

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 34 | Upload Document through Camera - Successful | Registered User is able to upload a photo through the iOS device’s camera |
| TC - 35 | Upload Document through Camera - Unsuccessful | Registered User is not able to upload a photo through the iOS device’s camera |
| TC - 36 | Upload Document through Photo Library - Successful | Registered User is able to upload a photo through the iOS device’s photo library |
| TC - 37 | Upload Document through Photo Library - Unsuccessful | Registered User is not able to upload a photo through the iOS device’s photo library |
| TC - 38 | File Size Limit | The file uploaded by the Registered User meets the 4 MB size limit |
| TC - 39 | File Size Limit Error | The file uploaded by the Registered User exceeds the 4 MB size limit |
| TC - 40 | Save Document Information | Registered User is able to input their Document Information in the designated text fields and database |
| TC - 41 | Save Document Information - Unsuccessful | Registered User is not able to input their Document Information in the designated text fields and database |
| TC - 42 | View Uploaded Documents - Images Uploaded | Registered User is able to view all of their Uploaded Documents on one page |
| TC - 43 | View Uploaded Documents - Images Not Uploaded | Registered User is not able to view any of their Uploaded Documents |
| TC - 44 | View Uploaded Documents - Enlarge image | Registered User is able to tap on the Uploaded Document to enlarge the image |
| TC - 45 | View Uploaded Documents - Shrink Image to Original Displayed Size | After the image is in its enlarged state, Registered User is able to tap on the Uploaded Document to return the image to its original size |
| TC - 46 | Delete Documents - Tap ‘Delete’ button | Registered User is able to select an Uploaded Document to delete by tapping the ‘Delete’ button in the top-right corner of the screen |
| TC - 47 | Delete Documents - Slide Selected Cell | Registered User is able to delete an Uploaded Document from the list and database by sliding the selected image cell from Right to Left, and tapping the red ‘Delete’ button |

#### 1.6.1.4 Reminders/Notifications

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 48 | Add Reminder-Successful | Registered User is able to add an Appointment Reminder and will get a notification reminding then about the Appointment. |
| TC - 49 | Add Reminder - Unsuccessful | Registered User is not able to add an Appointment Reminder. |
| TC - 50 | Add Reminder Without Giving Application Permission to Send Notifications to the iOS Device | Registered User is able to add an Appointment Reminder, but will not get a notification reminding them about that Appointment. |
| TC - 51 | Edit Reminder - Successful | Registered User is able to edit an existing Appointment Reminder and the notification associated with the Appointment Reminder will be updated. |
| TC - 52 | Edit Reminder - Unsuccessful | Registered User was not able to edit an existing Appointment Reminder successfully. |
| TC - 53 | Edit Reminder Without Giving Application Permission to Send Notifications to iOS Device | Registered User is able to edit an existing Appointment Reminder, but will not get a notification for the Appointment Reminder because they have not given the application permission to send notifications to their iOS device. |
| TC - 54 | Delete Reminder - Successful | Registered User is able to delete an Appointment Reminder from the list and database. The associated reminder notification for that Appointment will be deleted as well. |
| TC - 55 | No Available Reminders on Reminder Summary | Registered User does not have any existing Appointment Reminders to display |
| TC - 56 | View Reminder Summary | Registered User is able to view all their Appointment Reminders on one page |

#### 1.6.1.5 Monthly Reminders

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 57 | Turning Off Monthly Reminders | Registered User is able to turn off Monthly Reminders by tapping a switch |
| TC - 58 | Turning on Monthly Reminders | Registered User is able to turn on Monthly Reminders by tapping a switch |
| TC - 59 | Turning on Monthly Reminders without Giving the Application Permission to send Notifications to their iOS Device | Registered User will not receive Monthly Reminders if they turn on the Monthly Reminder by tapping on the switch because they have not given the application permission to send notifications to iOS Device. |

#### 1.6.1.6 Print

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 60 | Print Report without an image- Successful | Registered User is able to print their Medical Information |
| TC- 61 | Print Report with an image- Successful | Registered User is able to print their Medical Information with image |

#### 1.6.1.7 Menu

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 62 | Navigate to Another Page through Menu | Registered User is able to navigate to another page in the application by selecting a page from the Menu |
| TC - 63 | Menu - View Page Options for Edit Medical Information Section | When the Registered User taps on the Menu and taps on ‘Edit Medical Information’, they are able to view the different pages they can select and navigate to |

#### 1.6.1.8 User Logout

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 64 | User Logout | Registered User is logged out of their account |

### 1.6.2 Online Application

#### 1.6.2.1 Sync

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 65 | Sync Data to Server | Registered User is able to sync their medical information from their iOS device to the AWS Server |

#### 1.6.2.2 Share Data

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 66 | Share Data to Another Device | Registered User is able to share their medical information to another iOS device user |

#### 1.6.2.3 Print

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 67 | Save as PDF | Registered User is able to save and print their medical information in the form of a PDF |

# 2. Non-Functional Testing

## 2.1 Approach

SQLite scripts will be used to reset and populate the database with the required data for each test case. The user will follow the stated instructions in the test case and view the results. This will ensure that all tests are performed with a controlled and expected dataset that is ideal for non-functional testing.

## 2.2 Pass/Fail Criteria

For a test case to pass, all steps defined in the Test Case Specification must be executed in the same order as specified and all expected results must be the outcome of the test case. If an unexpected error occurs or the outcome does not follow the expected results specified in the Test Case Specification, the test case is considered a failure. The non-functional test case must then be flagged for further review.

## 2.3 Entry/Exit Criteria

The Entry criteria of non-functional testing is following the completion of functional testing. The Exit criteria is following the completion of non-functional testing with a Pass status for each test case.

## 2.4 Suspension/Resumption Criteria

The Suspension Criteria of non-functional testing is when a test case is marked with a Fail status, or when it does not allow testing to continue.

The Resumption Criteria of non-functional testing is when the solution of the failed test case can be identified and implemented.

## 2.5 Risks/Issues

Most non - functional test cases require executing a SQLite script that resets the database and populates it with data that is required for a test case. This introduce the possibility for error within SQLite script that may populate the database with unexpected data which can result in a false test failure.

## 2.6 Items to Be Tested

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 68 | Database Performance | All requests connected to the database are successfully completed within 3 seconds |
| TC - 69 | Time to Upload File | Images are successfully uploaded and displayed on the screen within 1 minute |
| TC - 70 | Error Handling for Database | An error message appears when requesting information that is not stored in the database |
| TC - 71 | Offline Application Use Availability | Application is available for use after successful installation into the user’s device |
| TC - 72 | Online Application Use Availability | Application is available for use after successful connection to the server. |
| TC - 73 | Local SQLite Database for Offline Application | All data in the Offline Application is stored in SQLite |
| TC - 74 | SQLite Database Encryption | All data sent and retrieved from SQLite is encrypted with SQLCipher |
| TC - 75 | HTTPS for Online Application | All data sent and retrieved from the server is through an encrypted connection, HTTPS |
| TC - 76 | User Authentication | User is able to log in to their account after successful registration |
| TC - 77 | Server Application Maintenance Time | Server Application displays an error message when the server is under maintenance |
| TC - 78 | Addition/Updates to Application Features | User has access to the applications latest features and updates after successful completion of update through the App Store |
| TC - 79 | iOS Compatibility | User access the application through iOS version 10.0 or above |
| TC - 80 | Screen Resolution | All auto layout constraints are compatible with the specified device’s screen resolutions |

# 3. Integration Testing

## 3.1 Approach

SQLite scripts will be used to reset and populate the database with the required data for each test case. The user will follow the stated instructions in the test case and view the results. This will ensure that all tests are performed with a controlled and expected dataset that is ideal for integration testing.

## 3.2 Pass/Fail Criteria

For a test case to pass, all steps defined in the Test Case Specification must be executed in the same order as specified and all expected results must be the outcome of the test case. If an unexpected error occurs or the outcome does not follow the expected results specified in the Test Case Specification, the test case is considered a failure. The integration test case must then be flagged for further review.

## 3.3 Entry/Exit Criteria

The Entry criteria of integration testing is following the completion of non-functional testing. The Exit criteria is following the completion of integration testing with a Pass status for each test case.

## 3.4 Suspension/Resumption Criteria

The Suspension Criteria of integration testing is when a test case is marked with a Fail status, or when it does not allow testing to continue.

The Resumption Criteria of integration testing is when the solution of the failed test case can be identified and implemented.

## 3.5 Risks/Issues

Most integration test cases require executing a SQLite script that resets the database and populate it with data that is required for a test case. This introduce the possibility for error within the database script that may populate the database with unexpected data that can result in a false test failure.

## 3.6 Items to Be Tested

### 3.6.1 Offline and Online Application

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 81 | Verify SQLCipher Decrypts Data | Check to make sure the database and the data stored inside the database is unencrypted when displaying information on application. |
| TC - 82 | AirPrint Integration | Check if the Print API is connected to the application through UIPrintInteractionController |

### 3.6.2 Online Application

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 83 | Amazon Web Services - Server Connection | Check to make sure that the server is running and that the application can connect to the server. |
| TC - 84 | Amazon Web Services - Sync Data | Check if sync is performed successfully without any errors |

# 4. System Testing

## 4.1 Approach

System’s testing will test the entire application’s systems with parameterized tests. First, the testers will run database scripts to populate the tables with information required for the system test cases. After running the scripts, the testers will then use parameterized testing to test the test cases.

## 4.2 Pass/Fail Criteria

In order for a specific test to pass, it has to meet the expected results descripted in the test criteria. If any of the expected results do not occur, or if something happens outside what was defined in the expected result section of the test case, the test will fail.

## 4.3 Entry/Exit Criteria

The Entry criteria of systems testing is following the completion of integration testing. The Exit criteria is following the completion of systems testing with a Pass status for each test case.

## 4.4 Suspension/Resumption Criteria

Testing is suspended if a test case fails. Testing will resume when the problem that caused the bug has been found and fixed.

## 4.5 Risks/Issues

Most system test cases require executing a SQLite script that resets the database and populates it with data that is required for a test case. This introduces the possibility for error within SQLite script that may populate the database with unexpected data that can result in a false test failure.

## 4.6 Items to Be Tested

### 4.6.1 Offline and Online Application

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Title** | **Parameters** | |
| TC - 85 | User Registration - Successful | First Name: | John |
| Last Name: | Smith |
| Username: | Smith1 |
| Password: | Smith1! |
| Email: | john.smith@gmail.com |
| Cell phone: |  |
| TC - 86 | User Login - Successful | Username: | Smith1 |
| Password: | Password1 |
| TC - 87 | View Medical Summary | Last Name: | Smith |
| First Name: | John |
| Date of Birth: | 12/20/1998 |
| Gender: | male |
| Street: | 123 main. |
| City: | Detroit |
| Zip code: | 48202 |
| State | Michigan |
| Doctor’s Name: | Amrit |
| Doctor’s Specialty | Pediatrician |
| Doctor’s Address: | 123 Baker,detroit, 31311111 |
| Illness/Disease Name: | Heart failure |
| Medication Name: | Amoxicilline |
| Dosage: | 500mg |
| Status: | past |
| Surgery Name: | Kidney transplant |
| Surgery Date: | 12/12/2005 |
| Surgery Description: | Doing well now |
| Allergy Name: | peanuts |
| Allergy Treatment: | None |
| Allergy Medication: | None |
| Vaccine Name: | Hepatitis B |
| Vaccine Date: | 12/12/2014 |
| Family History: | no blood related Illnesses |
| Note: | no additional information |
| Insurance Type: | Medicaid |
| Insurance Name: | blue cross |
| Group Id: | ABCXYZ123 |
| Expiration Date: | 12/30/2017 |
| TC - 88 | View Uploaded Documents | Image: | /2017-11-0221:40:08+0000.png |
| Name: | Test Document |
| Description: | Test Description |
| TC - 89 | View Reminder Summary | Reminder Name: | TestName |
| Reminder Time: | 12/122017 1:20pm |
| TC - 90 | Monthly Reminder | Time: | 1st day of month at 12:00pm |

\*Instruction to tester: 4.6.2 Offline Application

\*\*Instruction to tester: Notification will appear 2 minutes after current time

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Title** | **Parameters** | |
| TC - 91 | Retrieve Data from Server | Summary: | Medical Summary Page, Uploaded Documents Summary Page, Reminders Summary Page |

# 5. Client Acceptance Testing

## 5.1 Approach

Client Acceptance Testing will be performed by the client, or a group of individuals selected by the client. The system will not require any database scripts for this approach; all data will be live.

## 5.2 Pass/Fail Criteria

The Client must agree that each requirement stated within the HealthApp Software Requirements Specifications document has been successfully integrated into the system. If this is true, the system passes Client Acceptance Testing.

## 5.3 Entry/Exit Criteria

The Entry Criteria for Client Acceptance Testing is upon completion of system testing.

The Exit Criteria for Client Acceptance Testing is the written acceptance of the final product from the client.

## 5.4 Suspension/Resumption Criteria

The Suspension Criteria for Client Acceptance Testing is a requirement that the client recognizes is not satisfied by the system.

The Resumption Criteria for Client Acceptance Testing is when a solution to the issue that caused the Suspension is implemented.

## 5.5 Risks/Issues

There are no significant risks or issues for the Client Acceptance Testing.

## 5.6 Items to Be Tested

### 5.6.1 Offline and Online Application

#### 5.6.1.1 User Registration

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 1 | User Registration - Successful | User creates an account |
| TC - 2 | User Registration - Unsuccessful | User is not able to create an account |
| TC - 3 | Setup of Security Questions - Successful | Registered User selects and answers three Security Questions |
| TC - 4 | Setup of Security Questions - Unsuccessful | Registered User is not able to select and/or answer three Security Questions |
| TC - 5 | User Login - Successful | Registered User logs into their account |
| TC - 6 | User Login - Unsuccessful | Registered User is not able to log into their account |
| TC - 7 | Forgot Password - Successfully Answer Security Questions | If Registered User forgets their password, they are able to answer the three Security Questions they selected after Registration |
| TC - 8 | Forgot Password - Unsuccessfully Retrieve Security Questions | User (whether or not they are Registered) is not able to enter a valid Username for successful retrieval of their Security Questions |
| TC - 9 | Forgot Password - Unsuccessfully Answer Security Questions | If Registered User forgets their password, they are able to retrieve their three Security Questions, but they are not able to answer them |
| TC - 10 | Forgot Password - Successfully Reset Password | Registered User is able to successfully reset their password |
| TC - 11 | Forgot Password - Unsuccessfully Reset Password | Registered User is not able to reset their password |

#### 5.6.1.2 Medical Information

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 12 | Enter Personal Information - Successful | Registered User is able to input their Personal Information in the list and database |
| TC - 13 | Enter List of Doctors | Registered User is able to input their Doctor’s Information in the list and database |
| TC - 14 | Enter List of Illnesses/Diseases | Registered User is able to input their Illness/Disease Information in the list and database |
| TC - 15 | Enter List of Medications | Registered User is able to input their Medication Information in the list and database |
| TC - 16 | Enter List of Surgeries | Registered User is able to input their Surgery Information in the list and database |
| TC - 17 | Enter List of Allergies | Registered User is able to input their Allergy Information in the list and database |
| TC - 18 | Enter List of Vaccines | Registered User is able to input their Vaccine Information in the list and database |
| TC - 19 | Enter Medical History - Successful | Registered User is able to successfully input their Family Medical History and any Notes in the list and database |
| TC - 20 | Enter Insurance Information - Successful | Registered User is able to input their Insurance Information in the list and database |
| TC - 21 | Delete List of Doctors | Registered User is able to delete their Doctor’s Information from the list and database |
| TC - 22 | Delete List of Illnesses/Diseases | Registered User is able to delete their Illness/Disease Information from the list and database |
| TC - 23 | Delete List of Medications | Registered User is able to delete their Medication Information from the list and database |
| TC - 24 | Delete List of Surgeries | Registered User is able to delete their Surgery Information from the list and database |
| TC - 25 | Delete List of Allergies | Registered User is able to delete their Allergy Information from the list and database |
| TC - 26 | Delete List of Vaccines | Registered User is able to delete their Vaccine Information from the list and database |
| TC-27 | Edit Doctor Information | Registered User is able to edit their current Doctor information |
| TC-28 | Edit List of Illnesses/Disease | Registered User is able to edit their current Illness/Disease information |
| TC-29 | Edit List of Medication | Registered User is able to edit their current Medication information |
| TC-30 | Edit List of Surgeries | Registered User is able to edit their current Surgery information |
| TC-31 | Edit List of Allergies | Registered User is able to edit their current Allergy information |
| TC-32 | Edit List of Vaccines | Registered User is able to edit their current Vaccine information |
| TC-33 | View Medical Summary | Registered User is able to view their full Medical Information on one page |

#### 5.6.1.3 Documents

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| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 34 | Upload Document through Camera - Successful | Registered User is able to upload a photo through the iOS device’s camera |
| TC - 35 | Upload Document through Camera - Unsuccessful | Registered User is not able to upload a photo through the iOS device’s camera |
| TC - 36 | Upload Document through Photo Library - Successful | Registered User is able to upload a photo through the iOS device’s photo library |
| TC - 37 | Upload Document through Photo Library - Unsuccessful | Registered User is not able to upload a photo through the iOS device’s photo library |
| TC - 38 | File Size Limit | The file uploaded by the Registered User meets the 4 MB size limit |
| TC - 39 | File Size Limit Error | The file uploaded by the Registered User exceeds the 4 MB size limit |
| TC - 40 | Save Document Information | Registered User is able to input their Document Information in the designated text fields and database |
| TC - 41 | Save Document Information - Unsuccessful | Registered User is not able to input their Document Information in the designated text fields and database |
| TC - 42 | View Uploaded Documents - Images Uploaded | Registered User is able to view all of their Uploaded Documents on one page |
| TC - 43 | View Uploaded Documents - Images Not Uploaded | Registered User is not able to view any of their Uploaded Documents |
| TC - 44 | View Uploaded Documents - Enlarge image | Registered User is able to tap on the Uploaded Document to enlarge the image |
| TC - 45 | View Uploaded Documents - Shrink Image to Original Displayed Size | After the image is in its enlarged state, Registered User is able to tap on the Uploaded Document to return the image to its original size |
| TC - 46 | Delete Documents - Tap ‘Delete’ button | Registered User is able to select an Uploaded Document to delete by tapping the ‘Delete’ button in the top-right corner of the screen |
| TC - 47 | Delete Documents - Slide Selected Cell | Registered User is able to delete an Uploaded Document from the list and database by sliding the selected image cell from Right to Left, and tapping the red ‘Delete’ button |

#### 5.6.1.4 Reminders/Notifications

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| **Test Case ID** | **Title** | **Description** |
| TC - 48 | Add Reminder-Successful | Registered User is able to add an Appointment Reminder and will get a notification reminding then about the Appointment. |
| TC - 49 | Add Reminder - Unsuccessful | Registered User is not able to add an Appointment Reminder. |
| TC - 50 | Add Reminder Without Giving Application Permission to Send Notifications to the iOS Device | Registered User is able to add an Appointment Reminder, but will not get a notification reminding them about that Appointment. |
| TC - 51 | Edit Reminder - Successful | Registered User is able to edit an existing Appointment Reminder and the notification associated with the Appointment Reminder will be updated. |
| TC - 52 | Edit Reminder - Unsuccessful | Registered User was not able to edit an existing Appointment Reminder successfully. |
| TC - 53 | Edit Reminder Without Giving Application Permission to Send Notifications to iOS Device | Registered User is able to edit an existing Appointment Reminder, but will not get a notification for the Appointment Reminder because they have not given the application permission to send notifications to their iOS device. |
| TC - 54 | Delete Reminder - Successful | Registered User is able to delete an Appointment Reminder from the list and database. The associated reminder notification for that Appointment will be deleted as well. |
| TC - 55 | No Available Reminders on Reminder Summary | Registered User does not have any existing Appointment Reminders to display |
| TC - 56 | View Reminder Summary | Registered User is able to view all their Appointment Reminders on one page |

#### 5.6.1.5 Monthly Reminders

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| --- | --- | --- |
| **Test Case ID** | **Title** | **Description** |
| TC - 57 | Turning Off Monthly Reminders | Registered User is able to turn off Monthly Reminders by tapping a switch |
| TC - 58 | Turning on Monthly Reminders | Registered User is able to turn on Monthly Reminders by tapping a switch |
| TC - 59 | Turning on Monthly Reminders without Giving the Application Permission to send Notifications to their iOS Device | Registered User will not receive Monthly Reminders if they turn on the Monthly Reminder by tapping on the switch because they have not given the application permission to send notifications to iOS Device. |

#### 1.6.1.6 Print

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| **Test Case ID** | **Title** | **Description** |
| TC - 60 | Print Report without an image- Successful | Registered User is able to print their Medical Information |
| Tc- 61 | Print Report with an image- Successful | Registered User is able to print their Medical Information with image |

#### 1.6.1.7 Menu

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| **Test Case ID** | **Title** | **Description** |
| TC - 62 | Navigate to Another Page through Menu | Registered User is able to navigate to another page in the application by selecting a page from the Menu |
| TC - 63 | Menu - View Page Options for Edit Medical Information Section | When the Registered User taps on the Menu and taps on ‘Edit Medical Information’, they are able to view the different pages they can select and navigate to |

#### 5.6.1.8 User Logout

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| **Test Case ID** | **Title** | **Description** |
| TC - 64 | User Logout | Registered User is logged out of their account |