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| *VENI App* |
| **Testing Document** |
| **SE 6387 Advanced Software Engineering Project**  **R.Z. Wenkstern**    ***April 16, 2015*** |

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# Revision History

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| **Version** | **Date** | **Description** | **Authors** |
| 1.0 | 27-Mar-2015 | Initial draft | K. Whitmire |

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# 1. Overview

The *Veni* system software acceptance test tests the functionality of the system by running various scenarios.

## List of Tests

Test list plus description of what scenario is supposed to do. Ex: Check-in function will check if user at location, check if within half hour of appt, if yes to both, then check in. If no to either, then told to wait for condition to be met.

List the tests based on what function they check. Ex: Check-in test for verifying the check-in function

### 1.1.1 First Run Experience Test

This test verifies the creation of a new account the first time the user runs the app, and verifies the return of an error message when incorrect information is entered.

### 1.1.2 Log-in Test

This test verifies the user can log-in to the app when an account already exists, and returns an error message if an account does not exist

### 1.1.3 Download Appointments Test

This test verifies the download of the user’s appointments from the VistA database.

### 1.1.4 Add Appointments to Calendar Test

This test verifies the transfer of the user’s appointments to the phone calendar service.

### 1.1.5 Get Directions to Clinic Test

This test verifies the transfer of an appointments’ clinic’s coordinates to the phone map service.

### 1.1.6 Check-in Test

This test verifies the user is checked-in for their appointment in the VistA database given the user does so when at the clinic location and within 30 minutes of the appointment time.

### 1.1.7 Security Test

This test verifies the data transferred between the VistA database and the middle-tier and between the middle-tier and the phone is secured.

# 2. Test Procedure

The following section details the steps to complete in order to verify each test.

List the tests and what steps to take for the happy path. (FQT)

First Run Experience – Pass

* Enter user information
* Click OK button
* Verify user information stored correctly in middle tier database

First Run Experience – Fail

* Enter faulty user information
* Click OK button
* Verify error message appears

Log-in – Pass

* Enter user name (email address) and password
* Click OK button
* Verify *Veni* app options screen appears

Log-in – Fail

* Enter faulty user name (email address) and password
* Click OK button
* Verify error message appears

Download Appointments, first time – Pass

* Click ‘Download Appointments’ button
* Verify downloaded appointments are displayed

Download Appointments, second time – Pass

* Click ‘Download Appointments’ button
* Verify downloaded appointments are displayed with message stating if contents have changed

Add Appointments to Calendar – Pass

* Click ‘Add to Calendar’ button
* Verify appointments appear in phone calendar

Get Directions to Clinic

* Select appointment from list
* Click ‘Get Directions’ button
* Verify phone map service shows directions to the correct facility

Check-in – Pass

* Select appointment from list
* Click ‘Check-in’ button
* Verify VistA database records user has checked-in for the correct appointment

Check-in – Fail, not at clinic

* Select appointment from list
* Click ‘Check-in’ button
* Verify error message returned stating that user should wait until at clinic to check-in

Check-in – Fail, too early

* Select appointment from list
* Click ‘Check-in’ button
* Verify error message returned stating that user should wait until within 30 minutes of appointment time

Security Test – must occur in debug environment

* Tester must follow the data transfer to make sure it is encrypted/verified properly when sent/received

# Appendix A: Glossary

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| **Term** | **Definition** |
| VA | Veterans Administration |
| *Veni* | Name of the system application |
| VISTA | Veterans Health Information Systems and Technology Architecture |
| PHI | Protected Health Information |
| PII | Personally identifiable information |
| HIPAA | Health Insurance Portability and Accountability Act |
| IEEE | Institute of Electrical and Electronics Engineers |
| SPMP | Software Project Management Plan |
| SRS | Software Requirements Specification |
| BWSR | Bi-Weekly Status Report |
| IEEE 1058-  1998 | the IEEE standard for Software Project Management Plans on which  this plan is based |
| VM | Virtual Machine |

# Appendix B: References

**1.) www.va.gov**