**Use Case Document**

***The Veni VA Checkin System***

Advanced Software Engineering Project

SE 6387.M01

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# Change Log

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| --- | --- | --- | --- |
| Date | Version | Changed By | Description |
| 4-Feb-2015 | 1.0 | BM | Initial Release |
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# Use Case Diagram

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| Use Case: First Run Experience |
| ID: 1 |
| Brief Description: After the user has downloaded the Veni App to his phone, he/she will need to identify himself to the Veni system, enter personal and healthcare information and establish a Veni account |
| Primary Actors: A veteran |
| Secondary Actors: None |
| Preconditions: The veteran has downloaded the Veni App to his/her phone |
| Main Flow:  1. The veteran starts the Veni App on his/her phone the first time 2. The Veni App asks for personal information 3. The Veni App establishes the veteran’s credentials 4. The Veni App asks for information about which VA health care facilities the veteran frequents |
| Post Conditions:  1. The veteran has a Veni account 2. The Veni server has the information needed to contact the VistA system on the veteran’s behalf, associated with the veteran’s account |
| Alternative Flows: |

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| Use Case: Maintain Administrative Information |
| ID: 2 |
| Brief Description: This use case describes the administrative tasks in the Veni System |
| Primary Actors: Administrative users |
| Secondary Actors: None |
| Preconditions: The system is setup and connected to a VistA system or a system that emulates VistA |
| Main Flow: Administrators are responsible for setting up and maintaining:   1. The list of VistA systems available and the mechanisms for communicating with them 2. The list of VHA facilities available to Veni system users 3. The mapping of VHA facilities to VistA systems |
| Post Conditions:  1. With the lists of the VistA systems and VHA facilities all set up, and the mapping between them, the Veni System is capable of servicing veterans |
| Alternative Flows: |

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| Use Case: Authenticate User |
| ID: 3 |
| Brief Description: The user presents his/her credentials to the Veni App, which are forwarded to the Veni System Server. Once verified, a user’s session can start. |
| Note: This is an “Included” –only use case. |
| Primary Actors: Veterans |
| Secondary Actors: None |
| Preconditions: A veteran has downloaded the Veni app and run through the “first run experience” (see Use Case: “First Run Experience” (1)) |
| Main Flow:  1. The Veni App will provide a standard UI to which the user will provide his credentials 2. The user will provide his credentials 3. The Veni App will transfer the credentials to the Veni Server 4. The server will validate the credentials, fetch the user’s information (including his/her identifying tokens to the VistA system), creating the user’s session 5. The server will send session initiation information to the Veni app. |
| Post Conditions: The veteran is authenticated, the Veni System Server has created a session for him that includes the information needed to communicate to the VistA system on his/her behalf |
| Alternative Flows:  1. If the veteran does not provide credentials within a reasonable time, the Veni App will transfer to a “Welcome” screen, requiring a new authentication effort from the user 2. The system does not include account lockout, but repeated authentication failures will result in longer wait times between authentication attempts – an “anti-hammer” rather than lock-out strategy |

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| Use Case: Get Directions |
| ID: 4 |
| Brief Description: |
| Note: This Use Case is both a “stand-alone” case and a “included” case |
| Primary Actors: Veterans |
| Secondary Actors: None |
| Preconditions:  1. The system has been setup (see “Maintain Administrative Information” (2)) 2. The veteran has downloaded the Veni App and run the initial setup (see “First Run Experience” (1)) |
| Main Flow:  1. If the veteran has not already authenticated (for example, if this is a stand-alone use case and not included in another case):    * INCLUDE [Authenticate User] (3) 2. The user picks which appointment or which facility he wants directions to (or, if this is an included use case, this information will already be known by the app) 3. The app fetches the location information from the Veni System Server 4. The app passes the information to the phone’s location services with a request to provide locations from the veteran’s location to the chosen VHA facility |
| Post Conditions:  * The phone’s mapping app has started and control has shifted from the Veni app to the mapping app. |
| Alternative Flows: |