**Use Case Templates – Veteran Health Managment System**

Each template follows this structure:

1. **Use Case Name**

2. **Brief Description**

3. **Actor**

4. **Pre Conditions**

5. **Basic Flow**

6. **Alternative Flow**

7. **Exception Flow**

8. **Post Conditions**

**1. Login**

**Brief Description**

Enables the Nurse to authenticate and gain access to the Veteran Health Management System.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse has valid login credentials (username/password).

• The system and database are online.

**Basic Flow**

1. The Nurse enters the web application and the login page pops up.

2. The Nurse enters a username and password.

3. The system verifies these credentials against the database.

4. If valid, the system grants access and displays the main dashboard.

**Alternative Flow**

• If the Nurse enters incorrect credentials, the system displays an “Invalid credentials” message and prompts for re-entry.

**Exception Flow**

• If the system cannot connect to the database, the Nurse sees a “Service Unavailable” error and cannot log in.

**Post Conditions**

• The Nurse is successfully logged in and can access authorized features of the system.

**2. Daily Tests Management**

**Brief Description**

Allows the Nurse to perform daily tests for veterans, which may include searching for the veteran, displaying allergies, and inserting test values.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse is logged.

• Veterans’ records exist in the database.

**Basic Flow**

1. The Nurse selects “Daily Tests Management” from the main menu.

2. The system prompts the Nurse to **Search Veteran (by name or ID)**.

3. The Nurse enters the search criteria.

4. The system retrieves and displays the matching veteran’s record.

5. The system **Displays Allergies** if any are on file.

6. The Nurse **Inserts Test Values** (e.g., blood pressure, temperature, etc.).

7. The system validates and saves the test values to the database.

8. The system confirms successful entry of daily test results.

**Alternative Flow**

• **No Matching Veteran**

1. If the system finds no veteran with the given criteria, it displays “No record found.”

2. The Nurse may try different search criteria or confirm the veteran’s details again.

**Exception Flow**

• **Database Error**

• If the system fails to save the test values, an error message appears, and the Nurse must retry later.

**Post Conditions**

• The veteran’s daily test results are stored and can be reviewed later for follow-up or reporting.

**3. Manage Follow-Up List**

**Brief Description**

Enables the Nurse to maintain a list of veterans who require follow-up care or additional monitoring.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse is logged in.

• There are veterans in the system who may need follow-up.

**Basic Flow**

1. The Nurse opens “Manage Follow-Up List.”

2. The system displays a current list of veterans flagged for follow-up.

3. The Nurse can **Add Veteran for Follow-Up** by searching or selecting from a list.

4. The Nurse can also **Remove a Veteran from Follow-Up** if no longer needed.

5. The system saves any changes to the follow-up list.

**Alternative Flow**

• **No Veterans on Follow-Up**

1. If no veterans are currently on the follow-up list, the system displays an empty list.

2. The Nurse may add new entries as needed.

**Exception Flow**

• **System Save Failure**

• If the system cannot update the follow-up list due to a database issue, it displays an error, and changes are not saved.

**Post Conditions**

• The follow-up list reflects the latest set of veterans who need ongoing care or monitoring.

**4. View Daily Medicine List**

**Brief Description**

Allows the Nurse to view a list of daily medications prescribed for each veteran.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse is logged in.

• Medication records exist in the system for the relevant veterans.

**Basic Flow**

1. The Nurse selects “View Daily Medicine List.”

2. The system retrieves all current medication schedules from the database.

3. The system displays a list of veterans and their daily medicine requirements (dosage, times, etc.).

4. The Nurse can review the information to administer medications accordingly.

**Alternative Flow**

• **Filter by Veteran**

1. The Nurse can filter or search the medicine list by a specific veteran’s name or ID.

2. The system displays only that veteran’s daily medicines.

**Exception Flow**

• **No Medicines Found**

• If there are no medications scheduled for that day or no matching data, the system displays a “No medicines found” message.

**Post Conditions**

• The Nurse has an up-to-date view of daily medicines, ensuring correct administration.

**5. Manage Veteran Folders**

**Brief Description**

Allows the Nurse to handle veteran records, including registering new veterans, updating details, and categorizing them as active or inactive.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse is logged in.

• The system can store and retrieve veteran records.

**Basic Flow**

1. The Nurse opens “Manage Veteran Folders.”

2. The system displays existing veteran folders or a search interface.

3. The Nurse may **Register a New Veteran** by filling out a **Registration Form** (name, DOB, service details, etc.).

4. The Nurse may **Update Veteran Details** for an existing record (address changes, medical info, etc.).

5. The Nurse may **Categorize Veteran** as Active or Inactive if their status changes.

6. The system saves changes to the database.

7. The system confirms successful updates.

**Alternative Flow**

• **View Veteran List**

1. The Nurse can choose to view a complete list of veterans.

2. The system displays all available folders sorted by name or status.

**Exception Flow**

• (E1) **Mandatory Fields Missing**

• If the Nurse omits required registration details, the system prompts for the missing information.

• (E2) **Save Failure**

• If the database fails to save changes, the system shows an error and cancels the update.

**Post Conditions**

• The veteran’s folder data is updated or created, reflecting the latest information and status.

**6. Mini-Mental Veteran Management**

**Brief Description**

Allows the Nurse to administer or review a Mini-Mental Evaluation Test for veterans to assess cognitive function.

**Actor**

• Nurse

**Pre Conditions**

• The Nurse is logged in.

• A veteran’s record exists, or the Nurse has a new veteran to test.

**Basic Flow**

1. The Nurse selects “Mini-Mental Management” from the menu.

2. The system may prompt the Nurse to **View Veteran List** to choose who will be tested.

3. Once a veteran is selected, the Nurse can **Fill Mini-Mental Evaluation Test** (answering standard cognitive questions).

4. The system stores the test results and associates them with the veteran’s record.

5. The system displays a confirmation that the test has been recorded.

**Alternative Flow**

• **No Veteran Selected**

1. If the Nurse does not select a veteran, the system cannot proceed with the test.

2. The Nurse can return to the Veteran List to choose someone.

**Exception Flow**

• **Invalid Test Data**

• If the Nurse inputs invalid or incomplete responses, the system prompts for corrections.

**Post Conditions**

• The Mini-Mental test results are saved and can be reviewed later to monitor changes in the veteran’s cognitive status.

**Note:**

We sent an email to you inquiring whether it was necessary to create a separate template for every single use case or if it would suffice to develop templates for the primary use cases only. Since we did not receive a response, we have decided to create templates solely for the main use cases. The secondary use cases are integrated into these templates through the basic, alternative, and exception flows.