Requirement ID: a unique ID

Requirement Type: for now the requirements are "functional"

Scenario ID(s): The IDs of the stories that contain the requirement

Requirement: a simple statement of the requirement. The "shall".

Rationale: Why is this a requirement?

Source: Where did the requirement come from? An interviewee? Research?

Acceptance Criterion: After the system is constructed how are you going to show/prove that it meets this requirement?

Dependencies: Other requirements on which this requirement may depend

Conflicts: Other requirements with which this requirement may conflict.

Requirements Template

Requirement ID: Func1   **Requirement Type:** Functional   **Scenario ID(s):**1

Requirement: The product shall remind the meeting to the user.

Rationale: Due to memory impairment, the user might forget the meeting if it is scheduled after a long time.

Source: An interviewee

Acceptance Criterion: A test meeting will be scheduled and will be tested if it reminds the user on time.

Dependencies: None   **Conflicts:** None

Requirements Template

Requirement ID: Func2   **Requirement Type:** Functional   **Scenario ID(s)**:2

Requirement: The product shall store and retrieve the patient's medication details.

Rationale: In some cases, the user might forget to take the prescription or might lose it somewhere, at that times the cogbit helps to resolve the issue.

Source: Research

Acceptance Criterion: The patients' medical history will be stored in database and will be retrieved.

Dependencies: Internet connection and   **Conflicts**:
Should sync the details periodically.

Requirements Template

Requirement ID: Func3   **Requirement Type**: Functional   **Scenario ID**(s):3

Requirement: The product shall store emergency service numbers.

Rationale: In some cases, the user might not be aware of the emergency and when he is aware of it might be late, so a voice activated emergency calling system should be implemented.

Source: Research

Acceptance Criterion: Voice activated call will be tested

Dependencies: **Conflicts**:

Requirements Template

Requirement ID: Func4   **Requirement Type**: Functional   **Scenario ID(s)**:4

Requirement: The product shall keep track of medicine intake and dosage.

Rationale: In some cases, the user might forget whether the pill has been taken or whether it has been taken more than the dosage limit.

Source: An Interviewee

Acceptance Criterion: Voice activated call will be tested

Dependencies: The mic should be of best quality. **Conflicts**:

Requirements Template

Requirement ID: Func5   **Requirement Type**: Functional   **Scenario ID**(s):5

Requirement: The product shall book a ride updates the details to user.

Rationale: The use might not be convenient in using the UI of different ride sharing app, instead the cogbit can book a ride for user with minimal interaction with the software.

Source: Research

Acceptance Criterion: A test cab will be booked, and payment will be made.

Dependencies: The user should have sufficient   **Conflicts**:
amount in the account.

Requirements Template

Requirement ID: Func6   **Requirement Type**: Functional   **Scenario ID(s)**:6

Requirement: The product should detect problematic behavior and recommend a course of action for that behavior. Problematic behaviors include: Falling down, over dose, medical emergency, police emergency, fire or natural disaster.

Rationale: Many elderly patients will need assistance with these kinds of issues, and memory management problems might mean they are incapable of helping themselves.

Source: Research

Acceptance Criterion: Using test behaviors, the cogbit must succesfully identify emergencies.

Dependencies: EMS Requirement   **Conflicts**:

Requirements Template

Requirement ID: Func7   **Requirement Type**: Functional   **Scenario ID(s):8**

Requirement: The cogbit must be proactive in notifying of low power charge.

Rationale: Reminders for charging are necessary so that the cogbit can continue to assist the user. The user is likely to forget to charge on their own, since they forget other things too.

Source: Research

Acceptance Criterion: After certain discharge thresholds, notifications are sent. Thresholds include 25%, 15%, 10% and 5%.

Dependencies: **Conflicts**:

Requirements Template

Requirement ID: Func8   **Requirement Type**: Functional   **Scenario ID(s):7**

Requirement: The cogbit should be able to determine which EMS service to contact.

Rationale: Different EMS situations occurs, thus the cogbit should help 911 dispatch in sending the correct emergency personel.

Source: Research

Acceptance Criterion: Using behavior detection for emergencies from above, correctly sorting the responses into categories.

Dependencies: Func6   **Conflicts**: