**Alzheimer Care**

**Problem Statement**

The basic thought behind this idea is to help Alzheimer patients to live a better and smoother life.

The idea is to build an application where the patient will be assigned a caretaker. The caretaker will keep track of the patient medications and well-being.

**Actors**

1. Patient
2. Doctor
3. Caretaker
4. Receptionist
5. Pharmacist
6. Security Manager
7. Admin

**Use Case**

1. Primary Actor – Admin

Action – To add details of various roles

Flow – Admin will add details for various roles like Doctor, Caretaker, Receptionist and Pharmacist.

1. Primary Actor – Receptionist

Action – Creating a patient record

Flow - Receptionist at the hospital logs into the system to enter the patient details. Send the patient profile to the doctor.

1. Primary Actor – Doctor

Action - Assigning the doctor to the patient.

Flow - The doctor assigns himself to the patient and checks for the Alzheimer disease symptoms. At the same time even the

Receptionist is notified to update the status of the patient.

1. Primary Actor - Doctor

Action - Assigning the caretaker for the patient

Flow - The doctor pass the request to specific caretaker for the specific patient.

1. Primary Actor – Doctor

Action - Send the prescription to the caretaker.

Flow - The doctor sends the prescription as well as general health condition (including diet chart) to the caretaker.

1. Primary Actor – Caretaker

Action- The caretaker requests pharmacist for the medicines.

Flow- The caretaker request the pharmacist for medicines. The caretaker can order medicines only if he have valid prescription.

1. Primary Actor – Pharmacist

Action - Pharmacist issues medicine for the particular patient

Flow- The pharmacist will issue the medicine to the caretaker and at the same time will also send a request to the receptionist to update the medicinal record for particular patient.

1. Primary Actor – Pharmacist

Action - Add medicine

Flow - The pharmacist will add medicines.

1. Primary Actor – Security Manager

Action - Keep track of various security threats.

Flow - 1. The security manager will log the details if the username and password is entered wrong twice. At the same time, the Security Manager will send an alert to the Admin about the threat.

2. The security manager as well as pharmacist will get an alert if any medicine is expired before issuing it to the caretaker.

3. The security manager will get an alert if the unauthorized user tries to access the patient records. To achieve this the user will not be allowed to view any of the confidential data directly.

4. Only specific doctor will be allowed to view details of the patient who are assigned to him and not all the patients. If he tries to access other patient records, the security manager will be notified.

5. The security manager will be notified if the pharmacist issues the medicines without prescription.

6. Security Manager will get an alert about the quantity of the medicines caretaker is asking for. If it’s above the threshold, it will be reported to the receptionist or doctor.