**Happy Health In-Home Treatment**

**Problem Statement**-

A person may be recovering from any surgery and needs pre/post-operative therapy or there may be people suffering from chronic illness, which might affect their physical abilities and create a burden to travel to and from therapy facilities. The ones who are mostly affected are children, senior citizens and people with emotional and behavior difficulties who need an environment where they feel safe and comfortable.

**Solution Approach-**

Our application is designed to provide care takers and medicines at doorstep. We are providing home health care, which is a system of care provided by care-takers or practitioners to patients in their homes, under the guidance of a doctor or physician. And also, home delivery of medicines is also provided by pharmacies. These services help individuals to improve function and live with greater independence and hence, assist the patient to remain at home, avoiding hospitalization or admission to long-term care institutions.

**Key functionalities** of the application include –

* **Providing one on one care to patients at home**
* **Home delivery of medicines.**

Expanding the key functionalities –

* Patients can schedule a visit for home care treatments for appropriate disease types.
* These requests route to the Doctors, who will assign a care taker to visit the in-home patient.
* Patients can request pharmacies directly or through hospital staff to deliver medicines to their home.
* Pharmacists route the requests to the delivery persona.

There are two main enterprises here:

**Hospital enterprise** –Managing the doctors, care takers and hospital staff organiations to provide in home care to patients.

**Pharmacy enterprise** – Managing the pharmacists and delivery organizations to aid in medicine delivery.

**Entities:**

Network

Enterprise, Enterprise Directory

Employee, Employee Directory

Pharmacy, Pharmacy Directory

InHomePatient, InHomePatient Directory

Admin Organization, Doctor Organization, Staff Organization, CareTakerOrganization, PharmacistOrganization, DeliveryOrganization.

AdminRole, DoctorRole, CareTakerRole, StaffRole, Pharmacist Role, Delivery Role.

userAccount, userAccountDirectory.

Classes on workRequests.

**ECOSYSTEM ARCHITECTURE:**

