Team Raid Area 5 - Final Project Proposal

Project/problem Overview

For this project we will be designing a HealthCare Application to enable users to order medicines and book an appointment for the specific Health Checkup remotely on the phone or on the computer. Traditionally, people used to buy medicine at store or hospital. It takes people a lot of time to get there and get these medical information. People even need to be aware of operating hours of stores, which is making life extremely inconvenient. We would design this online platform that provides medicines delivery & diagnostic tests to patients which is expandable at the global level. Our design additionally aims to provide the same functionality as similar, existing technology; like Uber, primarily focusing on commuting interface and analysis of data relevant to transportation convenient mobile device interface. However, we provide the application working in healthcare and wellness industry and we think about people's health care. It's more convenient for people in exploring the drug in the nearest convenient store, which will include the price of the drug along with updates on the esoteric medicine available in the store. Moreover, the application enables the user to get updates on free health check-ups happening in the nearby location.

Description of the project

For our final project, we will be designing an application working in healthcare and wellness industry, an online platform that provides medicines delivery & diagnostic tests to patients. This system will contain three parties: (Hospitals, Pharmacy Stores), Customer and Delivery Company. This system requires three parties working together.

After login the user account, Users will be able to search the Hospitals and Pharmacy Stores according to the location. Under Pharmacy Stores, user will be able to view the drugs and medicines provided by the store. In Hospital Section, User will be able to view all the health checkups and their cost provided by the Hospital and then book an appointment accordingly.

In the menu section in Pharmacy Stores, users are able to place an order by adding them into cart, editing the quantity. User can also delete one specific medicine, or clear the cart in case they don't want it anymore. After clicking order, a window will popup which asks customers to confirm their address and their information. After clicking "confirm the order",delivery system will be processing. A delivery driver will be assigned to handle this order whenever the order is ready to be picked up. At the same time, users can track the delivery status. Delivery drivers will update their status as "On the way" when they have picked up the order; After the delivery, it will update their status as "Delivered" automatically. In addition, in the user profile, an order history will be shown and listed in case user wants to buy some medicine they have used. Customers and

Hospitals and Pharmacy Stores will be able to comment regarding the services provided.

For Pharmacy Stores, they can edit their drug menus. Some drugs can only be sold with the Doctor's prescription, so the Store will inform the customer to upload the prescription, otherwise, the order will be cancelled. They will inform the order to Delivery Company and Delivery Company will assign delivery drivers to pick up at the store. After each delivery completed, Stores can rank or comment on the delivery drivers in order to improve the delivery efficiency.

Application Key Functionalities

1. Hospitals: is able to Checkup Offers, Health Checkups, Free Health Camps.

2. Pharmacy Store Manager: is able to view the orders from Customers and confirm or cancel orders.

3. Delivery driver: is able to get order from Pharmacy Store and update order status.

4. Customer: is able to search Pharmacy Store; View Medicine Menu; Add items into cart; Edit cart; Clear Cart; Review order; Rank and Comment Delivery drivers and Hospital; Search Hospital; View Health Checkups, Cost, Offers.

Entities

1. Customers; 2. Hospital; 3. Menu; 4.Order; 5. Book an Appointment; 6. Store Manager; 7. Shopping Cart; 8. Delivery drivers; 9.Order Status; 10. Reviews

Eco-system Architecture Diagram