**Pharmacy Management System**

**Use Case: Tracking Order**

**Actor:** Customer

**Input:** Login Credentials, Tracking Number

**Output:** Tracking Receipt

**Elaboration:**

First of all, we login to the system. After logging in user can search for the medicine and place the order. When an order is placed then a tracking number is issued and is forward to the customer via notification. For tracking, customer will click on the Track Order button and a page will be showed. On that page, customer will enter tracking ID and click on Track button. Then the system will show order delivery details on the screen.

**Exceptions:**

Wrong Login Credentials, Wrong Tracking Number

**Activity Diagram:**



**Use Case: Search Medicine**

**Actor:** Customer

**Input:** Login Credentials, Medicine Name, Medicine Formula

**Output:** Required Medicine

**Elaboration:**

First of all, the user has to login the system. After logging in, a online dashboard will be opened where user can search for the medicine in search bar, a user can search for the medicine by entering the medicine name or generic name. When the user press on the search button, then a list of search results will show. If the user have entered medicine brand name then the search results will show product with same brand name and its variation in same brand. If the user have entered generic name then search results will show medicines with different brand names and their variations have same generic formula/name. The user can select desired product from the search result and proceed further.

**Exceptions:**

Wrong Login Credentials, Wrong Medicine Name or Formula

**Activity Diagram:**



**Use Case: Inventory Update**

**Actor:** Admin

**Input:** Login Credentials, stock/inventory to be updated

**Output:** Inventory/Stock Updated

**Elaboration:**

First of all, admin login to the system. After logging in, he will go to inventory tab. There he clicks on the product which need to be updated. If he wants to add new stock then he scan bar code of that product via bar code scanner. Then a popup will show on which he have to fill quantity and other details about that product. After that he will have to click on update and the record will be updated. If the admin wants to edit/remove stock of a product then he have to click on edit button and a popup will show which have details about that product where he can edit and click on update button. For removing a stock the admin have to click on remove stock button.

**Exceptions:**

Invalid Login Credentials, invalid Bar Code, adding stock more than capacity, exceeding quantity of stock when getting out of inventory

**Activity Diagram:**

