

# [SRS Document Template]



Team number (9) – Vezeeta

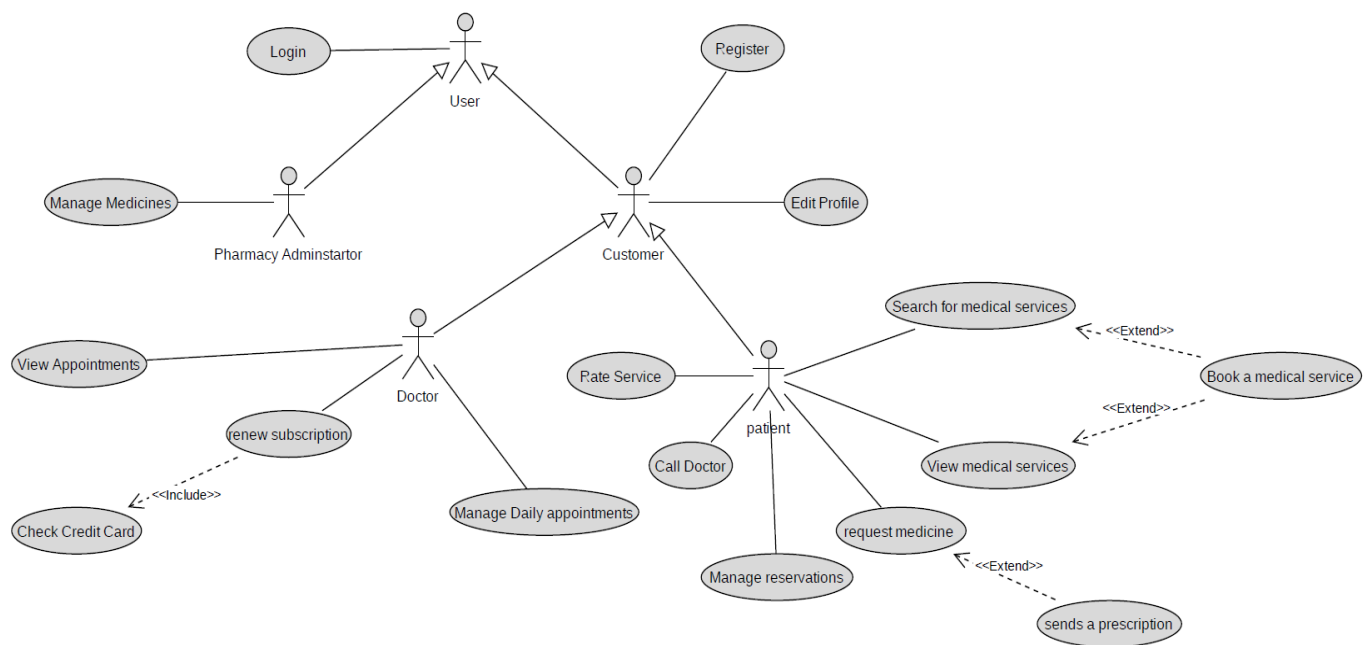
TA. Nagwa Mustafa

8/4/2022

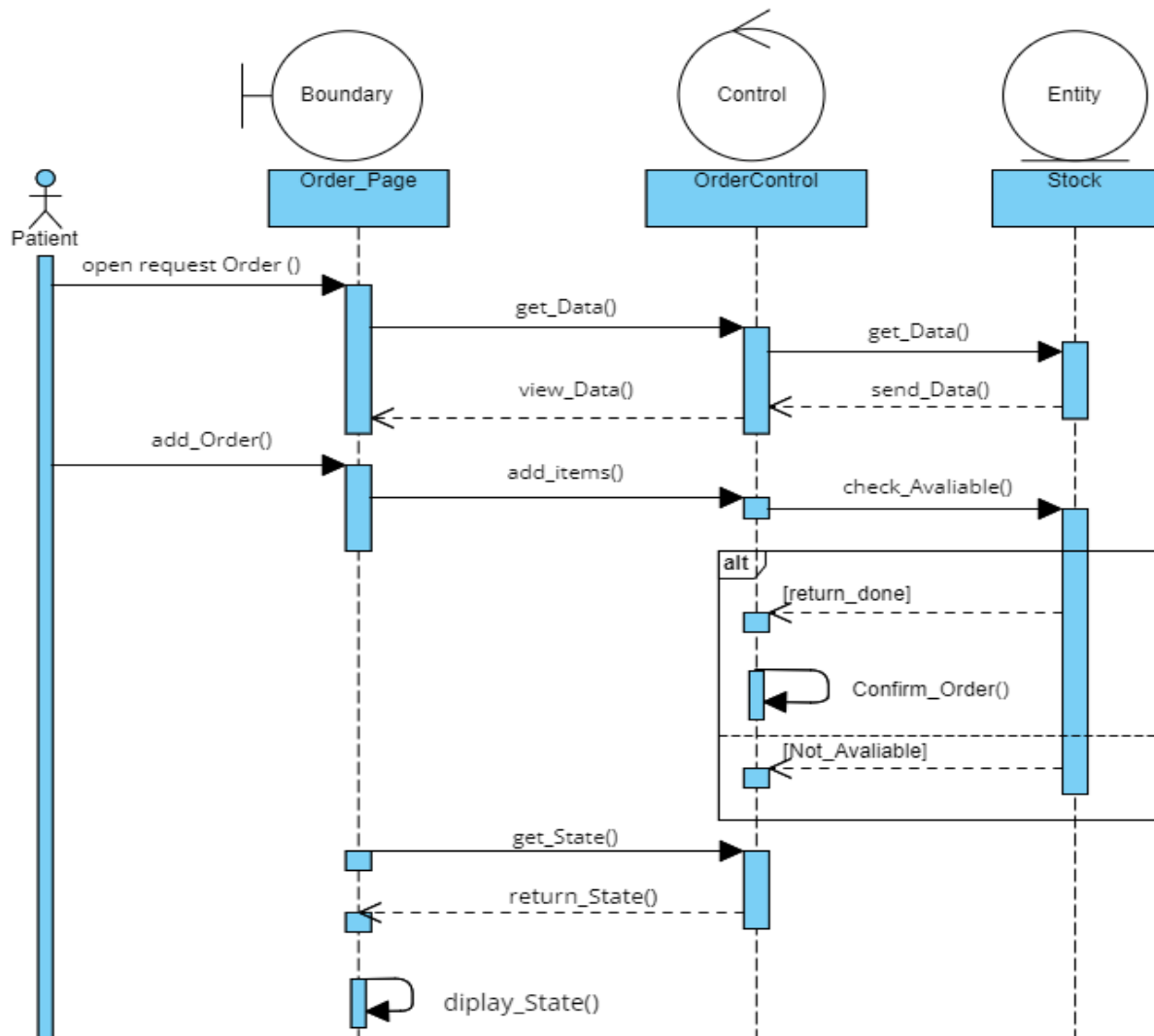
Team Members: -

Name	ID	Department	Section
اسامه عنتر محمد عفيفي	20191700091	SC	1
احمد محمد إبراهيم محمد	20191700059	SC	1
أدهم محمد توفيق محمد	20191700086	SC	1
احمد محمد علي عبد الرحمن	20191700068	SC	1
طارق أشرف محمود حسين	20191700322	SC	3
أدهم احمد سعيد فرج	20191700083	SC	1
احمد ياسر محمود سليم	20191700082	NO Department	-

## 1. Use Case :



## 2. Sequence Diagram:





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## 1. Introduction :

People are plagued by poor access to providers, weak medical records, and disengaged patients on disease management.

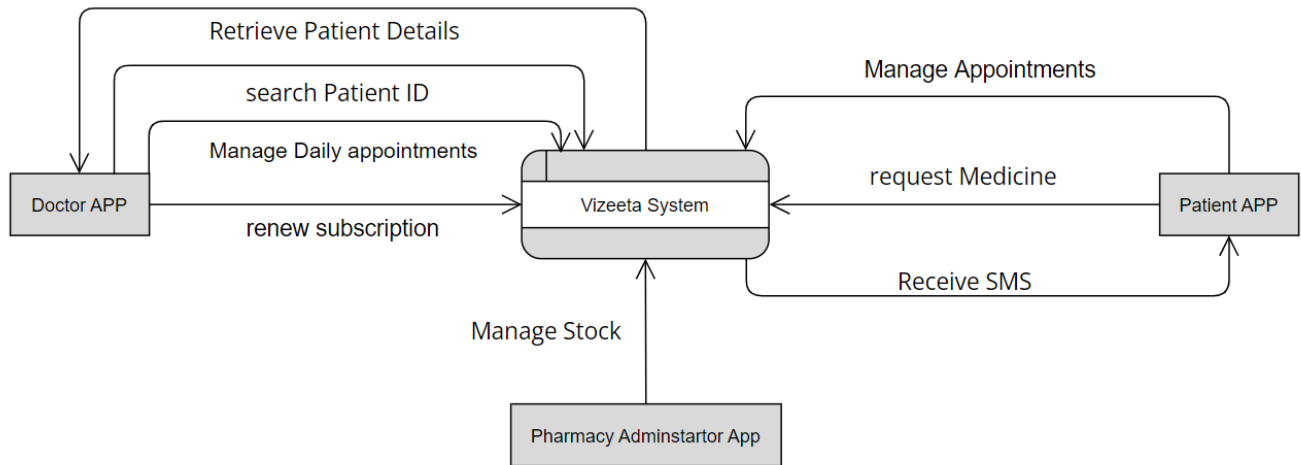
Vezeeta helped in overcoming these pain points by empowering patients through data to better access healthcare.

Through the platform, patients can find a doctor by specialty, area, waiting time, and insurance firm, compare doctors by ratings and reviews and make an instantaneous booking.

Users can search by the required service, and this will direct them to the doctors in a particular hospital who provides this service on the platform.

Through Vezeeta, patients can discover and book medical appointments and health services.

## 2. Context Diagram:



### 3. User Requirements

This platform allows the user to manage all kind of medical services from their home. The user can view a list of doctors, book a certain doctor or a certain medical service. Patients can buy medicines from the application only by their prescription. They can also rate doctors and services.

Doctors can subscribe to the platform to access all the features. They can view and manage appointments.

System administrators have the authority to manage medicines list, such as, add/delete/update and medicine or a category in the database.

### 4. Functional Requirements

- Search doctors/medical services:
  - **Description:** The user/patient can search, view and book medical services such as ordering medicines or managing an appointment with a certain doctor.
  - **Requirements:** Doctors name, medical services, locations.
  - **Source:** Doctors table, medical services table, and locations table from database.
  - **Pre-condition:** 1 row exists from the doctor's table or medical services table.
  - **Post-condition:** none.
  - **Output:** Display the medical services/doctors names by the entered key.
- Send Prescription:
  - **Description:** The patient can send their prescription through the application and contact their assigned doctor.
  - **Requirements:** Doctor's name
  - **Source:** Doctors table from database.
  - **Pre-condition:** The prescription due date must be less than a month.
  - **Post-condition:** none.
  - **Output:** none.
- Manage daily appointments:
  - **Description:** Doctor can set up new appointments or update new ones by agreement with their patients.
  - **Requirements:** Doctors name, patients names, free days.
  - **Source:** Patients table from database.
  - **Pre-condition:** none.
  - **Post-condition:** Decrement free days from free days table in database. Remove patient name from patient requests.
  - **Output:** none.

- **Subscribe to the platform:**
  - **Description:** Doctors must subscribe to the platform to have the access of its features.
  - **Requirements:** Doctors name, credit card, renewal date.
  - **Source:** Doctors names table.
  - **Pre-condition:** The renewal date is not due. The credit card must be validated.
  - **Post-condition:** Subscription reset.
  - **Output:** none.
  
- **Buying medicines:**
  - **Description:** Patients can view and buy medicines after the appointment or with a pre-written prescription.
  - **Requirements:** Patient name, prescription, credit card.
  - **Source:** Patients names table, medicines table from database.
  - **Pre-condition:** credit card validated. The requested medicine must be available.
  - **Post-condition:** Decrement the requested medicine.
  - **Output:** none.
  
- **Manage account:**
  - **Description:** User must set up an account to access all features.
  - **Requirements:** User names table, any related user data in the database.
  - **Source:** All related rows in the database
  - **Pre-condition:** none.
  - **Post-condition:** update the user account.
  - **Output:** display the update on the account.
  
- **Manage medicines list:**
  - **Description:** The system admin can add, delete, or update any medicines in the application.
  - **Requirements:** Medicines table.
  - **Source:** Medicines table in the database.
  - **Pre-condition:** none.
  - **Post-condition:** Update the medicines table in the database.
  - **Output:** Display the update in the medicines list.
  
- **Book doctors/medical services:**
  - **Description:** Patients can book any kind of medical services, or a certain doctor.
  - **Requirements:** Doctors name, medical service name, credit card.
  - **Source:** Doctor names table, medical service table from database.
  - **Pre-condition:** credit card validation, the requested doctor must be available(free).
  - **Post-condition:** Decrement free days of booked doctor.
  - **Output:** Display the requested doctor name and date of the medical service appointment.
  
- **Rate doctor/service:**
  - **Description:** Patients can rate any doctor or service on the platform.
  - **Requirements:** Doctors name, service name.



- **Source:** Doctor names table from database.
- **Pre-condition:** The patient had to be appointed at least one time with the rated doctor or used at least one time the rated service.
- **Post-condition:** Add the new ratings to the doctors/services table in the database.
- **Output:** Display the ratings on the screen.

## 5. Non-Functional Requirements

- **Security:**
  - **Description:** The system must be secured, protected with username and strong password.
- **Usability:**
  - **Description:** The system must be easy to use, have a user-friendly interface and the user can use it after 3 hours of training.
- **Efficiency:**
  - **Description:** The system must provide fast response time when the user clicked and support at least 1000 people at once.
- **Maintainability:**
  - **Description:** The system must track every error to fix it and make a backup for the data.
- **Availability:**
  - **Description:** The system must be reliable, have small mean time to failure and available 24 hours a day with no issues