Software Engineering
Week # 3

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Requirement & Analysis Case Study

Project Title: Book with Style

Project Abstract

The motive is to provide convenience to customer, so that they don't have to wait for their turn and reduce wait time.

They'll get better understanding of services

We need a booking app where a saloon can offer its services and customer can do book an appointment.

User Specification

1. Saloon can register

2. Saloon can offer services

3. Customer can register

4. Customer can book an appointment

5. Customer can do payment online

6. Both Saloon and Customer will have mobile application

System Specification

1. Saloon can register
   1. Registration
      1. Saloon name
      2. Address
      3. Owner name
      4. Business Number
      5. Team Size
   2. Login
      1. User name and Password
      2. Fingerprint login
   3. Forgot Password

System Specification

2. Saloon can offer services
    1. Add/Update/ Delete Saloon services
        1. Service Name
        2. Service Category
        3. Service Charges
    2. Top services

3. Customer Registration
    1. Registration
        1. Name
        2. Mobile Number
        3. Email Address
        4. Username/Password
    2. Login
        1. Username and Password
        2. Finger print login
    3. Forgot Password

System Specification

3. Customer can book an appointment
    1. Customer can search for Saloon
        1. Search by service
        2. Search by location
    2. Book Appointment
        1. Select Saloon
        2. Select services
        3. Review total
    3. Customer can cancel an appointment

4. Payment
    1. Payment by card
    2. Payment later
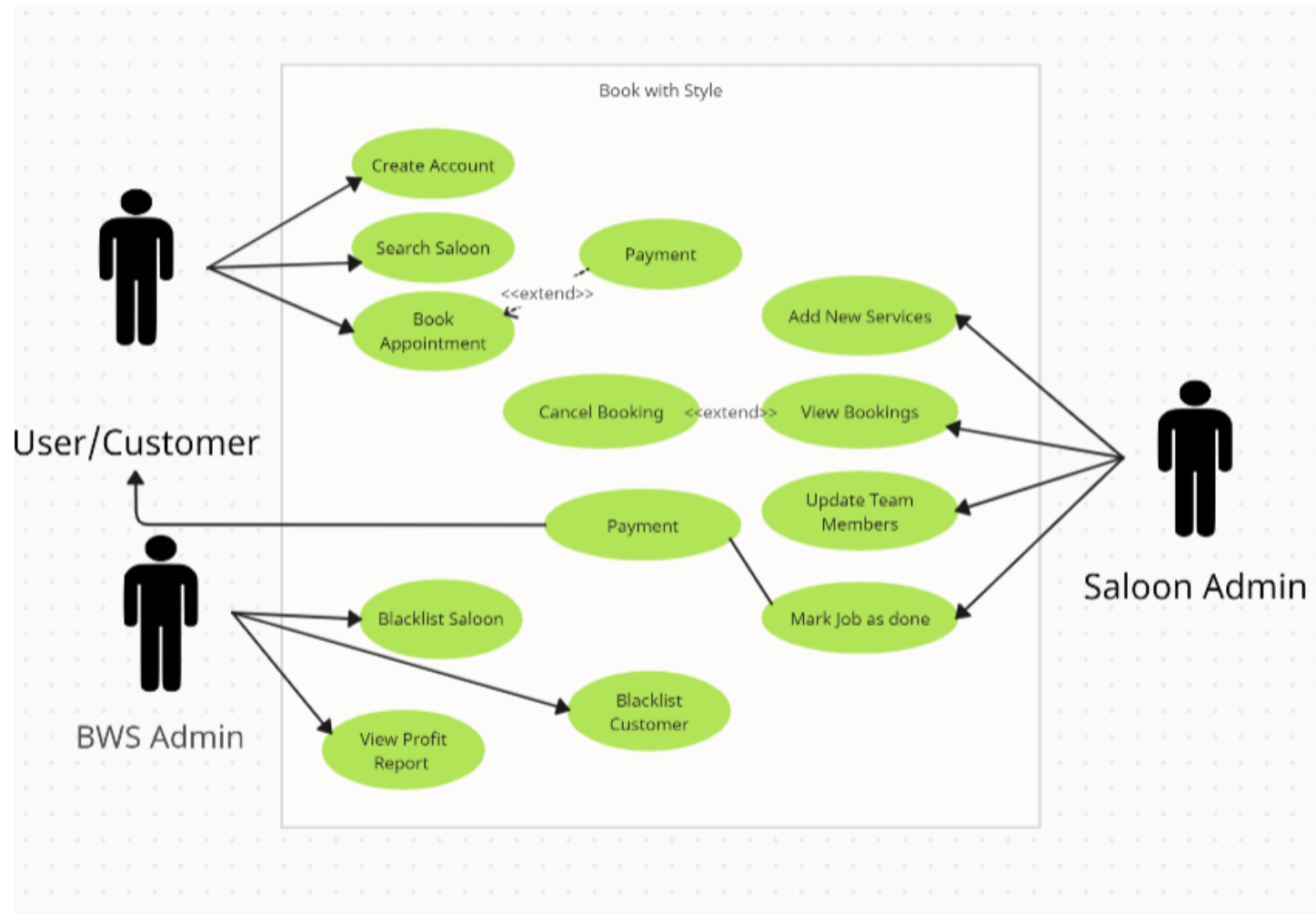
Functional Requirements

1. Saloon can register

2. Saloon can offer services

3. Customer can register

4. Customer can book an appointment

5. Customer can do payment online
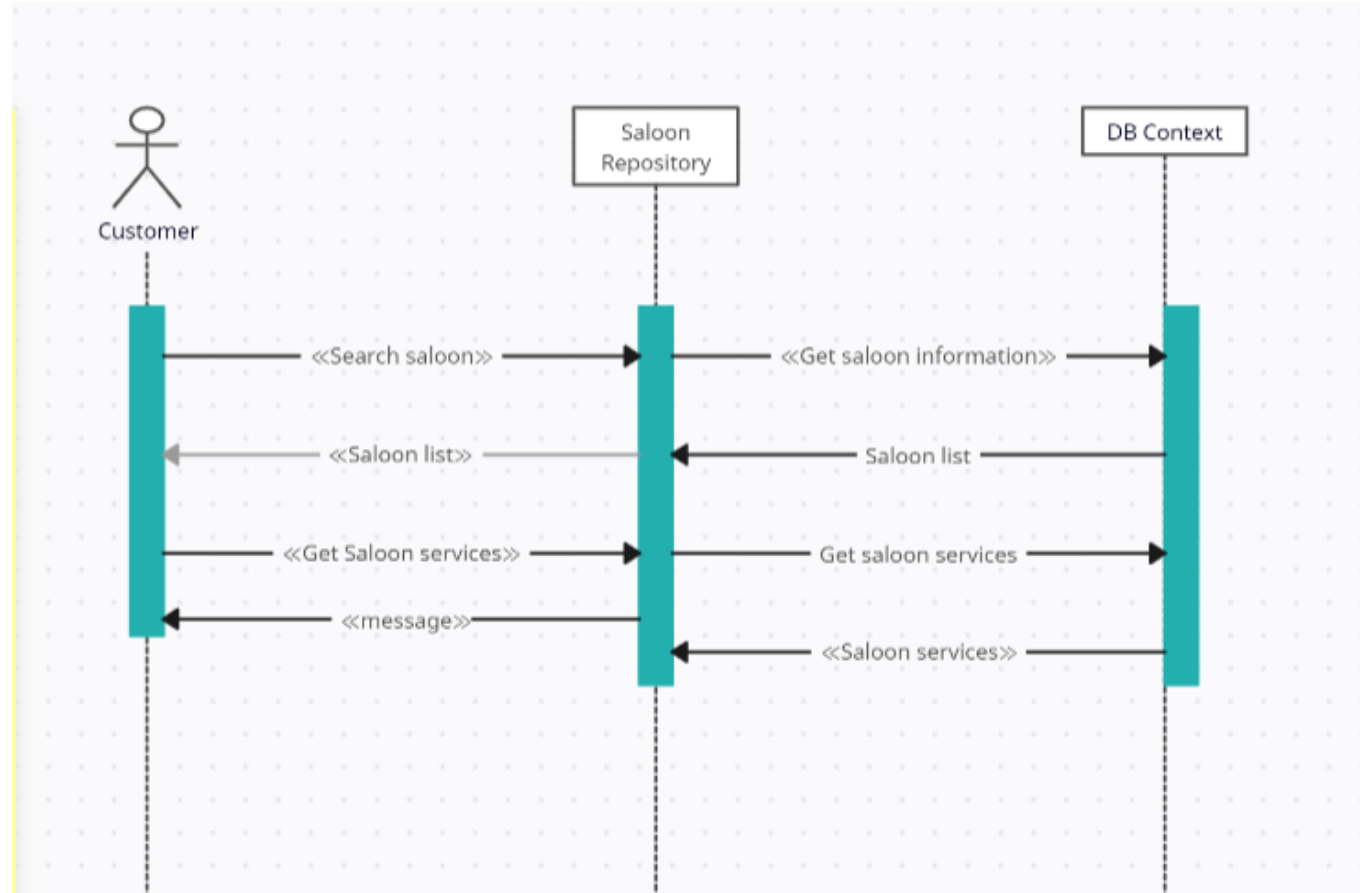
Non-Functional Requirements

1. Mobile application
   1. Android
   2. IOS

2. Every request should respond in max 2 seconds

3. The application should report exceptions to Software company

4. The size of the application should be under 50MB

5. The appointment can be booked in 5 steps

6. We should keep 30 days data backup

7. The app should be hosted on Cloud and Auto scaling should be enabled

Use case

Sequence Diagram

Requirement Traceability Matrix

S.No	Module Name	Applicable Roles	Description
1	Saloon Management	Saloon Admin	Saloon can register Saloon needs to login Saloon can manage services
2	Appointment	Customer Saloon Admin	Customer: Book appointment Saloon Admin: View appointment Saloon Admin: Cancel appointment
3	Payment	Customer Saloon Admin	Customer: Payment for services Saloon Admin: Subscription payment
4	Conflict Resolution	BWS Admin	View Appointment View Payment Refund payment