1444

OPEN SOOQ

Kingdom of Saudi Arabia	بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ	المملكة العربية السعودية
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OPEN SOOQ

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Content

Project Proposal

- **Introduction**

Online shopping through app has become very popular these days because people find it convenient and easy to shop from their home or office. People can save their time and energy by purchasing products online with some discounts. The offers on the internet can be easily compared, and the buyer can buy the product according to their favorable conditions like price, quality and other discounts for their individual needs. The next generation of mobile phone "SMART Phones", has opened the new paths of using specially designed apps. We have most of the companies making use of this trend of getting their company products available on their website for sale, to be accessed via the app. They are also coming out with some great offers to attract customers to download and use their apps more rather than accessing their website.

this is an online auction app, designed to revolutionize the way people around the world buy and sell objects used for domestic purposes, including electronic devices. Our app is dedicated to providing a secure and convenient platform for anyone looking to purchase or sell used goods, regardless of their location or background. Our goal is to create a global marketplace where individuals can easily sell their previously owned goods, allowing everyone to benefit from the sale of second-hand items.

We are looking to developed an electronic auction app designed to provide a user-friendly interface with advanced search and filtering capabilities,

making it easy for users to find the items they're looking for. We will also implement a secure payment system to ensure that all transactions are conducted safely and efficiently. With our app, we aim to promote sustainability and reduce waste by providing a platform for individuals to sell their used goods and for buyers to purchase quality items at a good price.

The benefits of our electronic auction app are not limited to buyers and sellers only. Students and employees from all around the world can also benefit from our app by selling their old items and purchasing new ones at an affordable price. Our app aims to create a collaborative and inclusive environment where everyone can participate in fair and transparent transactions.

- **Problem statement**

1. **Difficulty finding items**

It is difficult to search for a thing in several stores because there are so many of them

2. **Excessive price inflation**

The prices of products are on a continuous rise these days, so people are forced to buy used things from other people, and that is difficult to obtain

3. **Loss of time shopping**

Shopping steals time from us. The rarer what we are looking for, the more difficult it becomes to get it easily

4. Difficulty publishing

The difficulty of publishing advertisements to sell a product in vast places and the difficulty of exposing it to a large number of people

- **Objectives**

The main objective of the items from the site is the service of all the people around the country:

> 1 - aims to develop the process of buying and selling for all kind of people in electronic form
>
> 2 - Aims to create a collaborative environment among people.
>
> 3 - To facilitate the process of buying and selling for people who has no time to go shopping.

- **Background**

Opensooq application This application promotes new or used products by creating an advertisement within the application, and the other person searches for something to buy, as it is a means that facilitates the buying and selling process between people

- **Proposed solution**

Creating an electronic application that brings together the seller and the buyer while they are in their place to solve the problem of the distance between them and provides the display of goods without the need for a store and save the wasting shopping time.

- **Work Plan.**

Status	Days	Start	End	Task
Complete	1	15/4	16/4	Introduction
Complete	2	16/4	18/4	Problem statement
Complete	1	18/4	19/4	Objectives
Complete	1	19/4	20/4	Background
Complete	2	20/4	22/4	Proposed solution
Complete	7	30/4	7/5	Project Requirements
Complete	4	7/5	11/5	Project Activity diagram
Complete	3	11/5	14/5	Project Use Case Modeling
Complete	6	14/5	22/5	Creating Sequence Diagrams
Complete	4	22/5	26/5	Creating a Class Diagram
Complete	4	26/5	30/5	Presentation

Project Requirements

- **FUNCTIONAL REQUIREMENTS:**

   1. **Login:**

ID	Priority	Description
F1	High	The application shall allow the user to login to their account by entering their username and password.

   2. **Register:**

ID	Priority	Description
F2	High	The application shall allow the user to register to the app.

   3. **advertising:**

ID	Priority	Description
F3	High	The application allows you to advertising or selling goods.

4. search:

ID	Priority	Description
F4	High	The application allows you to searching for something you want to buy.

5. suggestions:

ID	Priority	Description
F5	low	The application makes suggestions for people according to their interests.

6. Third-Party Apps:

ID	Priority	Description
F6	low	The application offers to you login by using third party applications like google and Facebook.

7. Social Sharing:

ID	Priority	Description
F7	low	The application let you to sharing your ads in social media sites to reach to as many as people

8. manage ads:

ID	Priority	Description
F8	low	The application manages ads, sorts them by date, and blocks unimportant ads

- **NON-FUNCTIONAL REQUIREMENTS:**

    1. **User safety:**

ID	Priority	Description
N1	High	This application is characterized by protection and security, as it protects the user's privacy from penetration

    2. **Reliability:**

ID	Priority	Description
N2	High	The application allows real ads and removes and combats false ads

    3. **Availability:**

ID	Priority	Description
N3	High	The application will be available when the user wants it.

4. Portability:

ID	Priority	Description
N4	High	An end-user is using this application on anyOS

5. Maintainability:

ID	Priority	Description
N5	High	The application has a big support, that mean the updates arriving rapidly to users every while.

6. Performance:

ID	Priority	Description
N7	Low	The application searches and displays results accurately and quickly

7. Concurrent sessions.:

ID	Priority	Description
NF7	High	The application enables a large number of users at a given time.

8. Privacy:

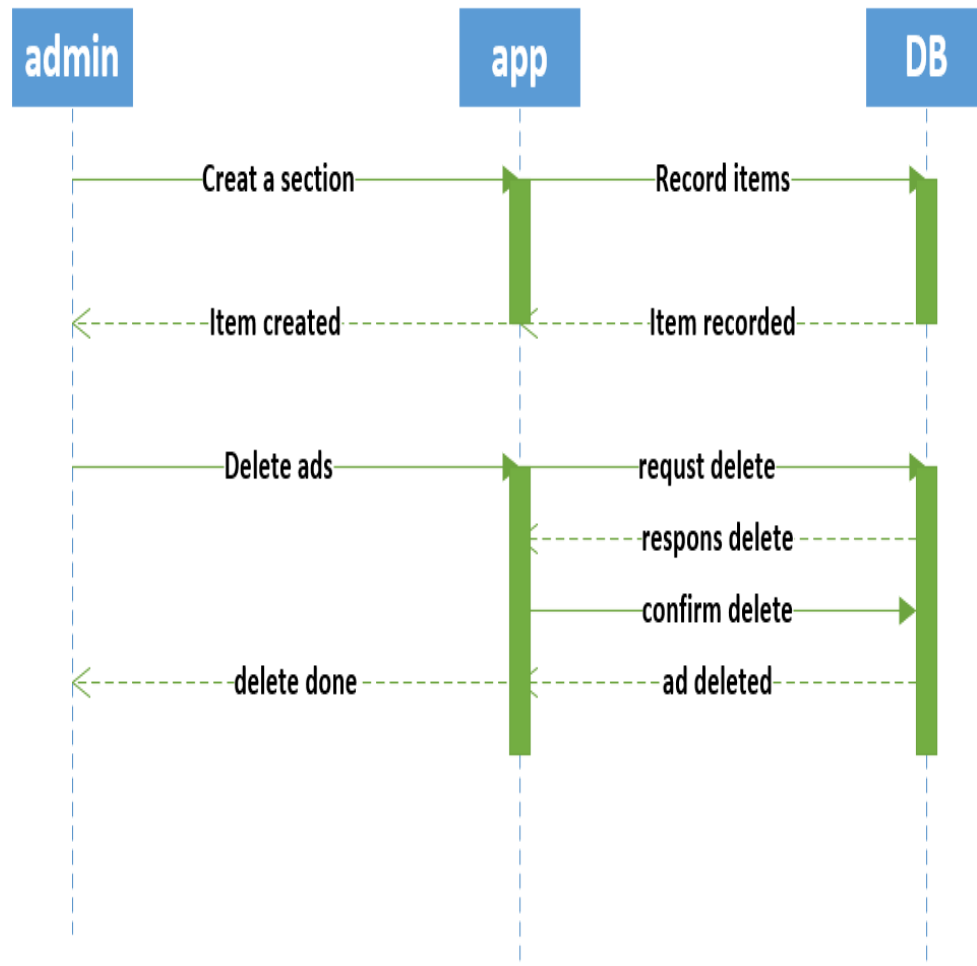| ID	Priority	Description
NF8	High	The application provides a high privacy rate, so it can be used without worry

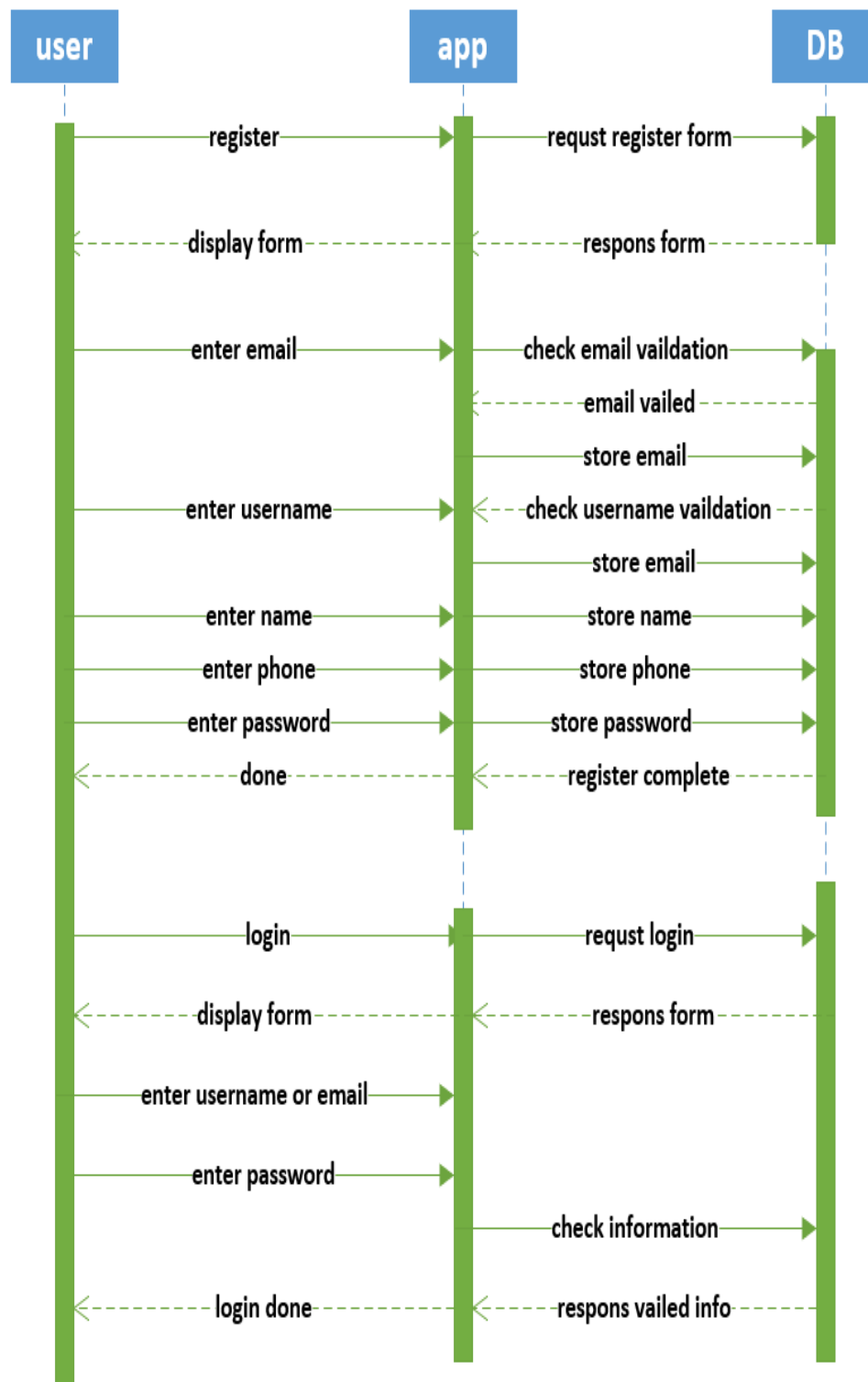## Project Activity diagram (Process Model)
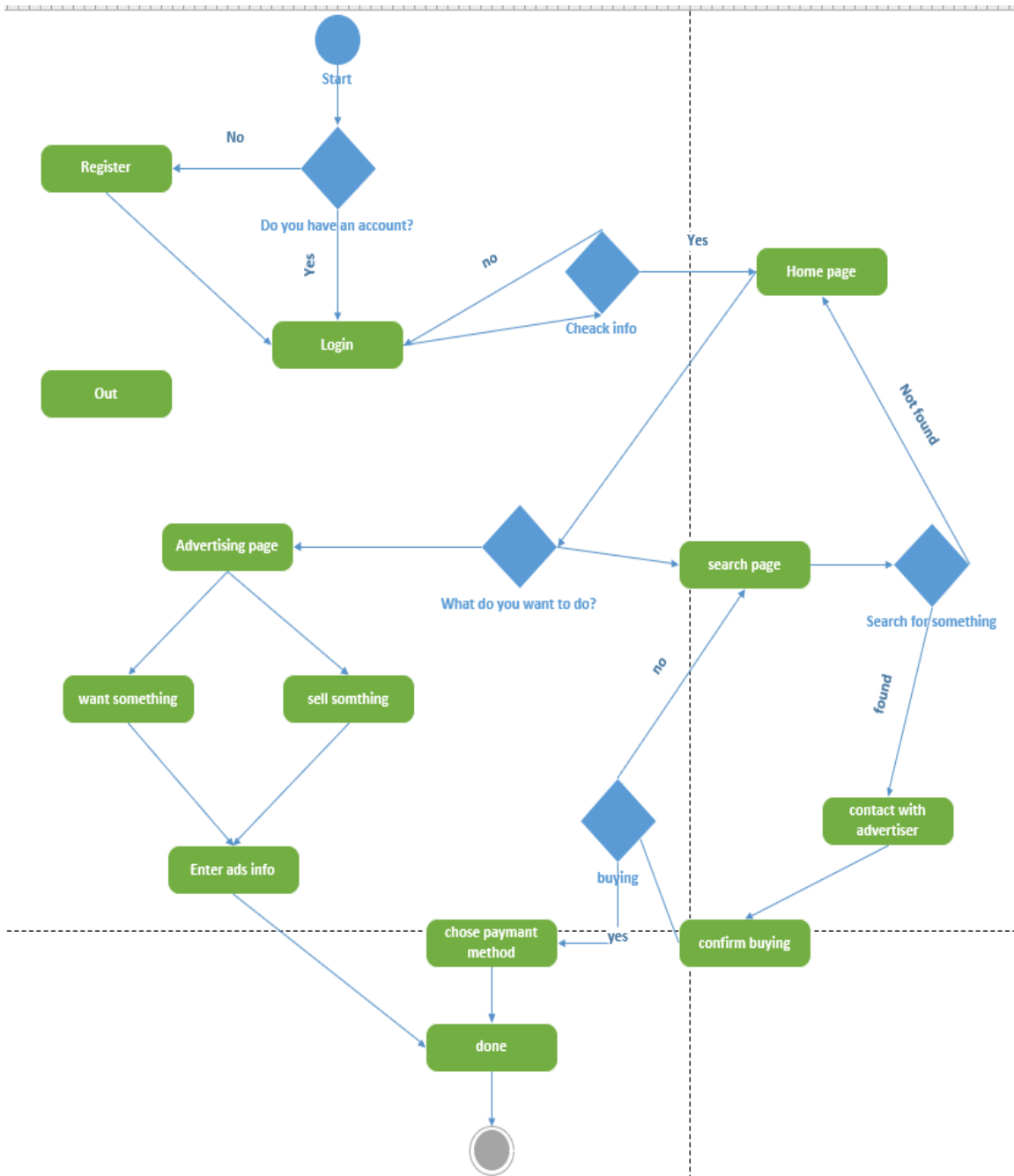
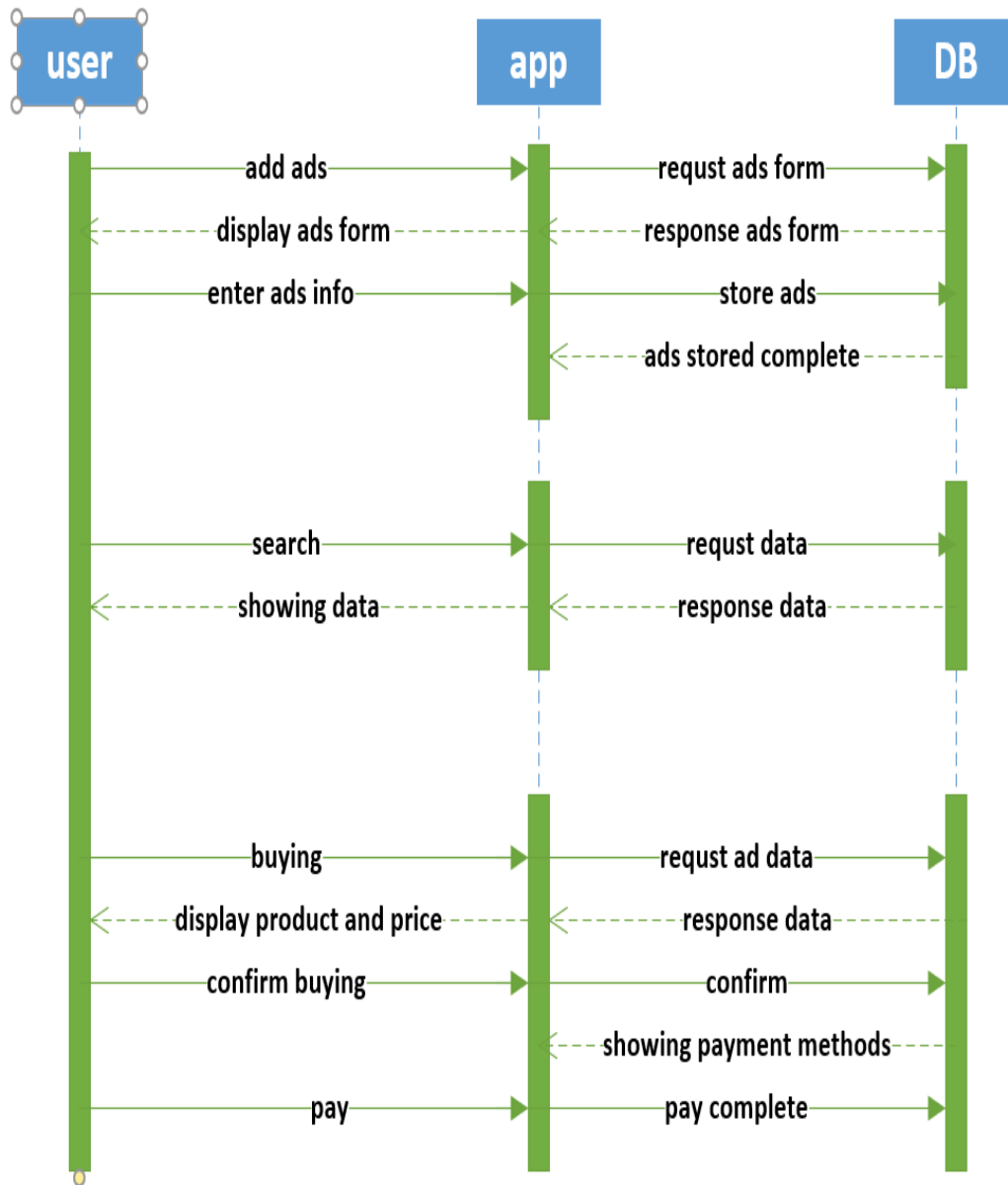# Project Use Case Modeling
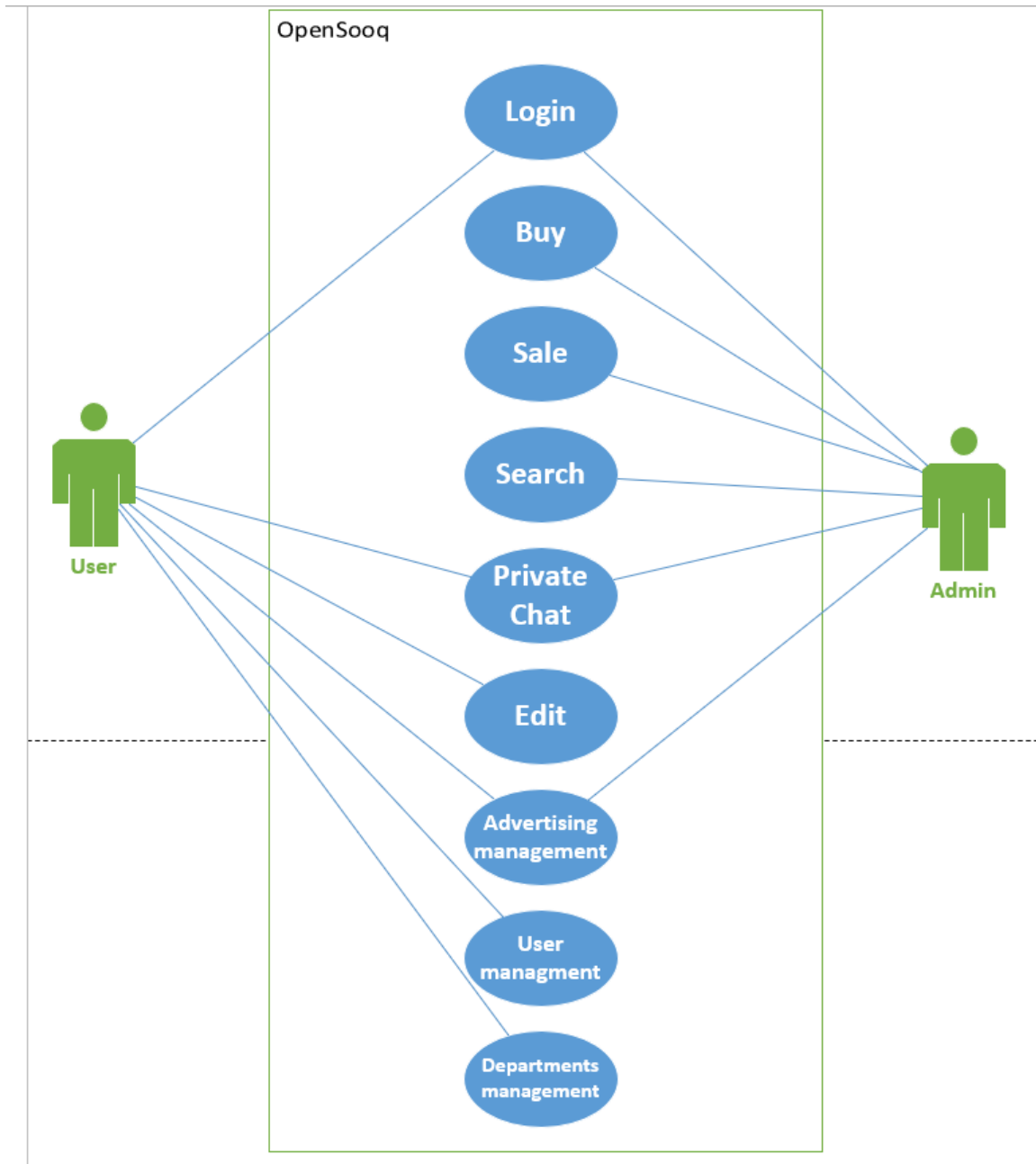
Creating Sequence Diagrams

- **Admin**

- **User Register and Login**

- **User Using app**

Creating a Class Diagram

section

-section_number
-section_name

-create()
-edit()
-delete()

admin

-UID
+Name
-Phone
-Username
-Password

-login()
-logout()

user

-UID
+name
-phone
-username
-password

+register()
+login()
+logout()

1:1

M:1

advertising

+adv_number
+adv_type
+adv_pic

+creat()
+edit()
+delete()

1:M

customer

-username
-passowrd

+buy()
+search()

advertiser

-username
-password

+advertising()
+saling()