

SOFTWARE REQUIREMENT SPECIFICATIONS

Project Topic: [INSIDE BHUTAN]

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1. Introduction

a. Purpose

AIM: Develop an Android based application (Inside Bhutan) for a traveler to share travel trips and upload the places and activities to their own bucket list.

OBJECTIVE:

- ✓ To launch an app in play store.
- ✓ Save inspirational places and activities to your very own bucket list.
- ✓ Post photos from your travels
- ✓ To develop an online based android application.(Inside Bhutan) .

b.Scope

System Scope:

Inside Bhutan is the android application with the following features:

Sign up- First users have to sign up to register in the app Inside Bhutan with E-mail/G-mail account with credential or they can sign up with their Google Account.

Sign In/Log In – User can sign in with their credential verified.

1. User Name / E-mail account
2. Password

Home Page - Once they have Logged in to the app it will display the images of the Bhutan with the places name to make users know about the places inside Bhutan.

View – users can view the pictures of others who have uploaded in the app.

Profile – users can collect their pictures with their loved ones and of their own.

CRUD – Admin will perform the crud operation.

User Scope: Inside Bhutan is the android based application where people of the Bhutan will upload the Images of their journey.

2. Requirements

a. Functional Requirements

I. Describe each feature of your application

Inside Bhutan application have two main features namely:

1. **View Feeds** – user can post the image with the description of the places they have visited with location of the place. Users can view the picture and they can like and comment on the images.
2. **Post image** – users can post the images of their travel in these features with location and description of the places.

b. Non-functional requirements

▪ Usability

The mobile application will have a user friendly interface such that the customer will be familiar with the UI of the app in short duration with system very interactive.

▪ Security

The system will have accounts for its users and only authorized users can access the system with user_Id/Email_id and password.

▪ Availability

The system are available to users anytime, anywhere, just need an Android phones and Internet Connection.

c. Software Requirements

i. The technology used and version

Software	Specification
Java Version	Java standard Edition Development Kit(JDK) 8
Operating System	Microsoft Window 10(64-bits)
Android SDK	Android Studio SDK version 16

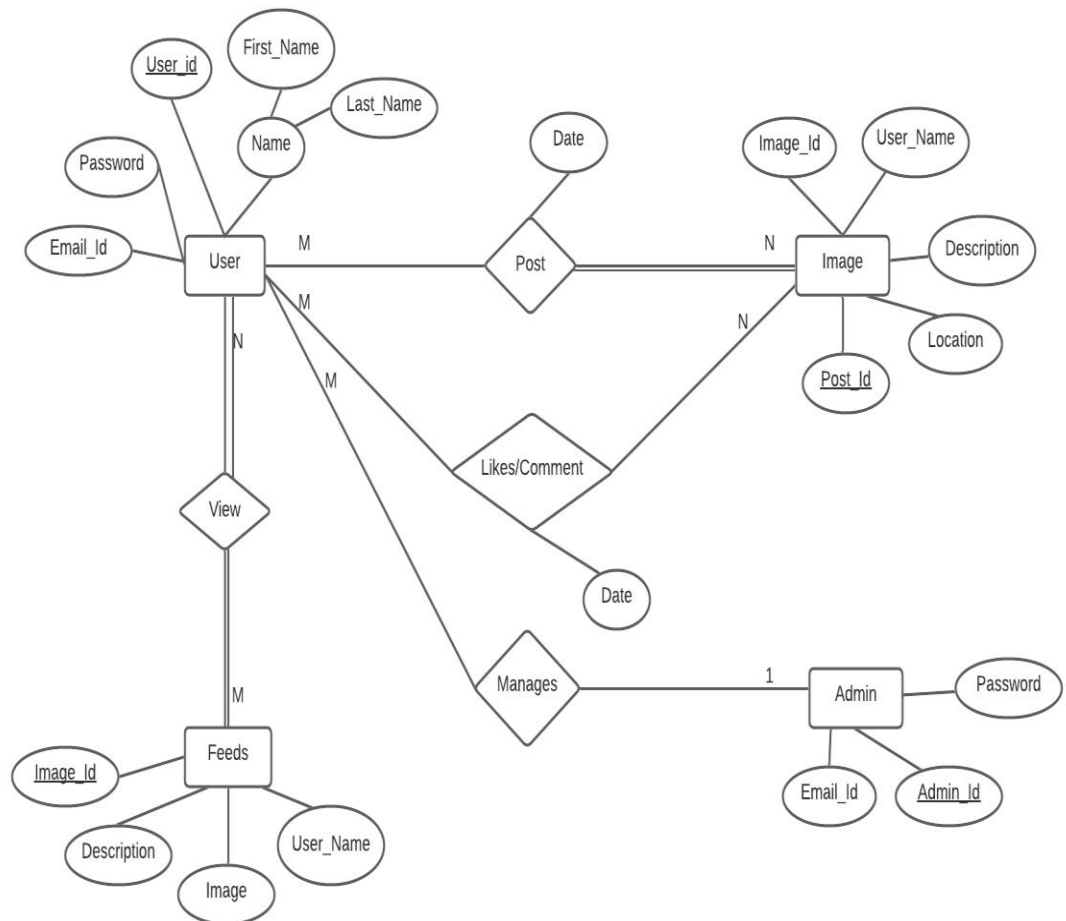
1. Hardware requirements

Hardware	Specification
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Disk Space	400mb
Screen Resolution	1280x800
RAM	4-8GB RAM

2. System designs

a.ERD (Entity Relationship Diagram)



There are four entities namely User, Image, Feeds and Admin. User_Id is a primary key of User which uniquely identifies user. User can post the images whereby the users can like and comment the images on the post. And user can view the feeds.

Admin can manage the user whereby admin can perform crud operation.

b. Relational Schema

User

<u>User_Id</u>	First_Name	Lastt_name	Email_Id	Password	Admin_Id
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Post

<u>User_Id</u>	<u>Post_Id</u>
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Like and Comment

<u>User_Id</u>	<u>Post_Id</u>
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Image

<u>Post_Id</u>	User_Name	Image_Id	Description	Location
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View

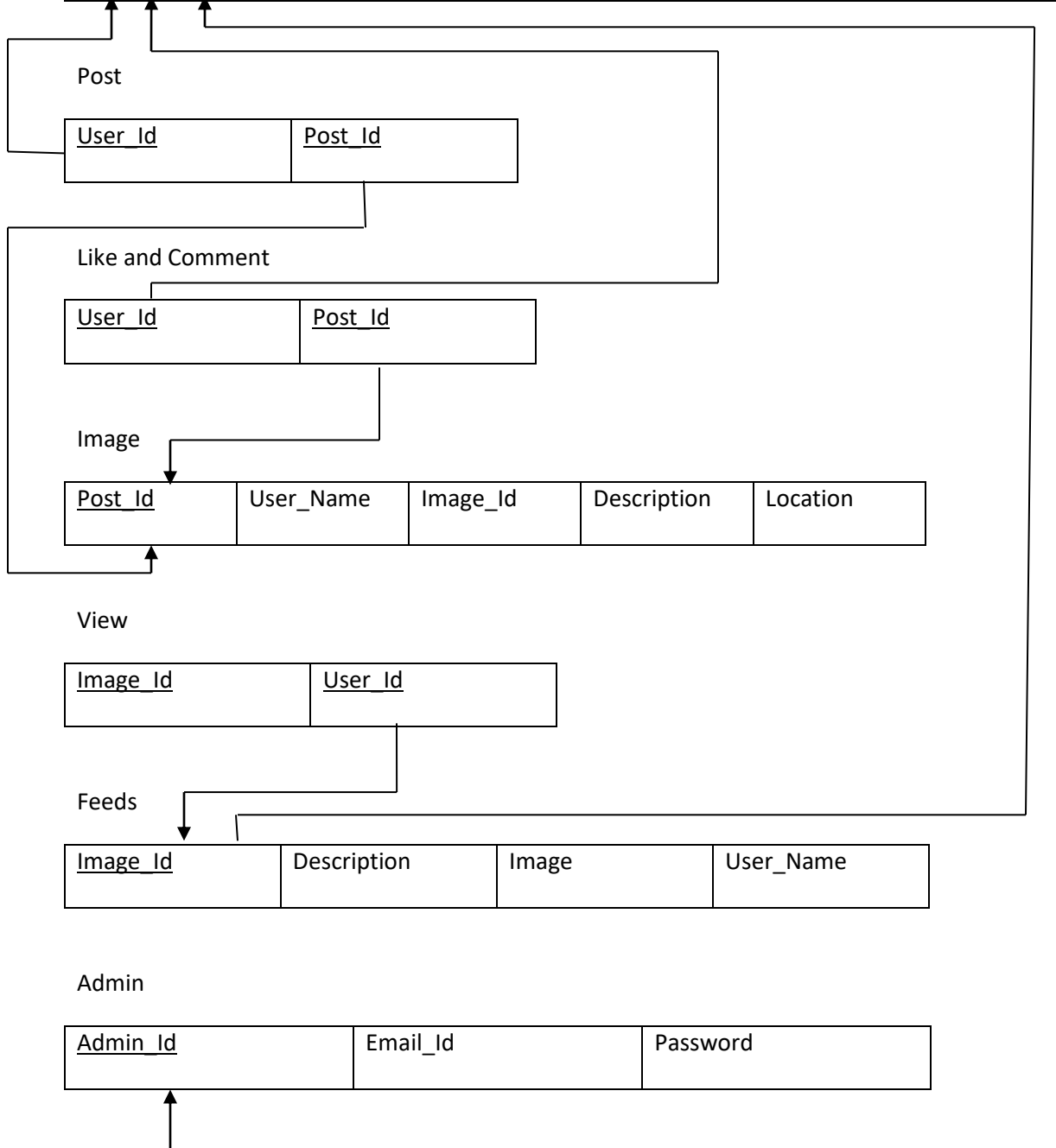
<u>Image_Id</u>	<u>User_Id</u>
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Feeds

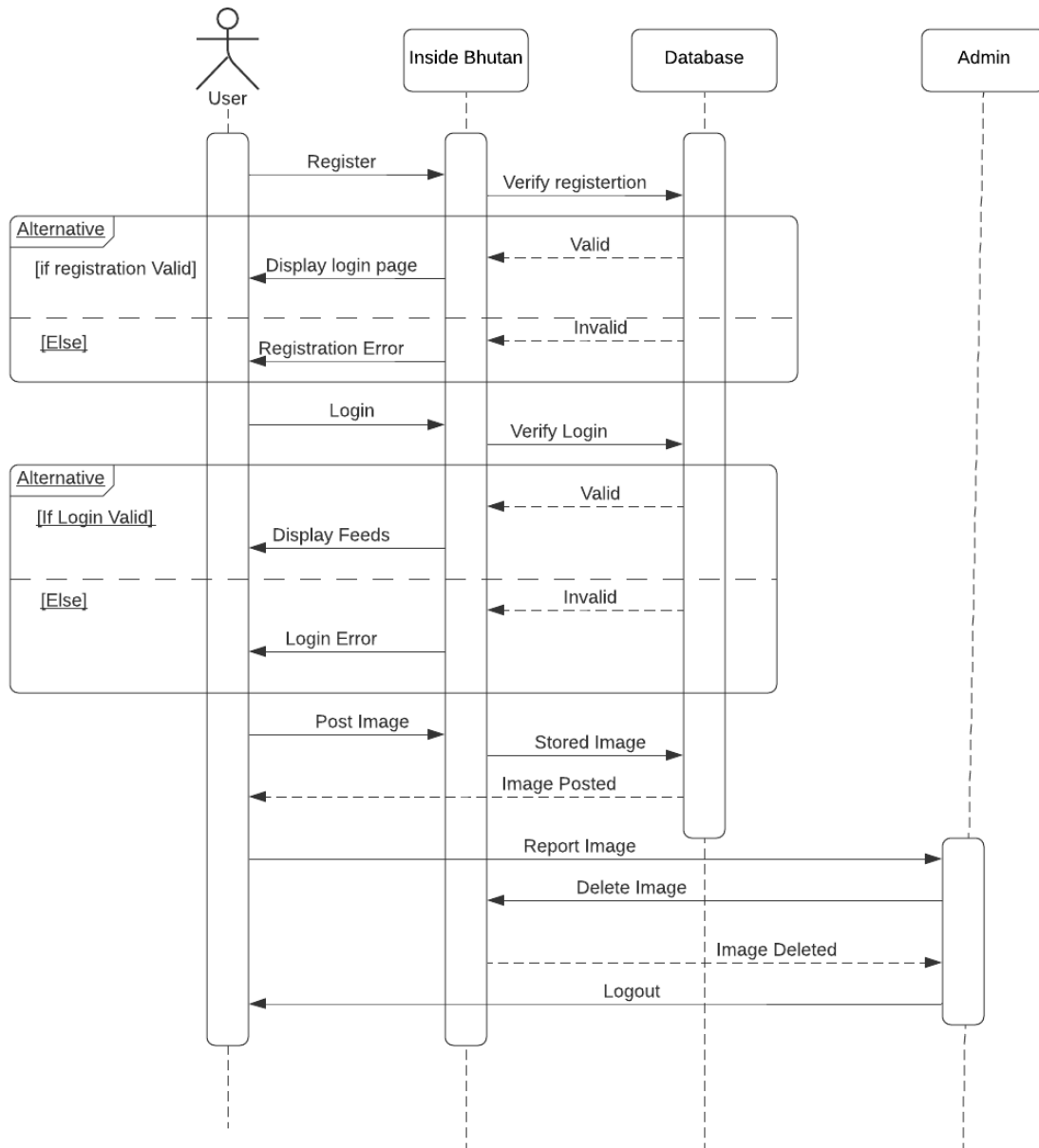
<u>Image_Id</u>	Description	Image	User_Name
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Admin

<u>Admin_Id</u>	Email_Id	Password
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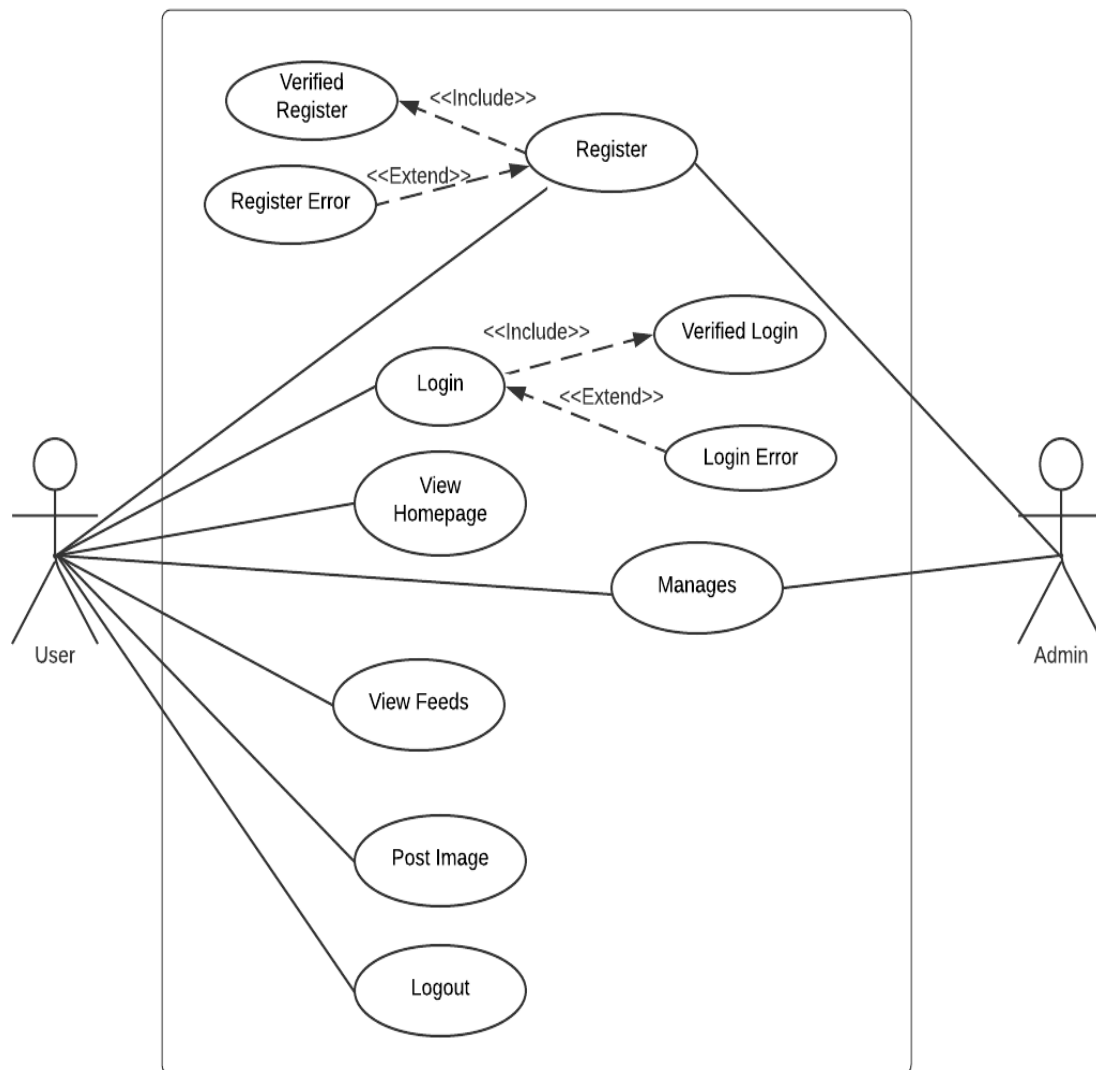


c. Sequence Diagram



This sequence diagram explains about the overall functional of inside Bhutan mobile application. If the user applies for the report on the post/images admin will remove the images from the app. Finally admin and users can logout from the app.

d. Use case Diagram



A use case models the functionality of a system as perceived by outside agents, called actors That interacts with the system from a particular viewpoint. Its main purpose is to help Development team visualize the functional requirements of a system, including the Relationship of actors to essential processes and also among different use cases. The actor Identified for this project is any user of the app. The interactions of the actor and its Functionalities are shown below.

The app consists of three actors:

- 1. System**
- 2. User**
- 3. Admin**

The functionality of the user is:

- 1) View
- 2) Post
- 3) Likes
- 4) Comment

The functionality of admin is:

- 1) CRUD operation

Prototype

