Software Requirements

Specification

For

GCIT Contact

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Table of contents

1. Introduction

1.1 Purpose

The main purpose of this document (SRS) is to get the complete requirements for the first version and vision of my application, Contact Book. The SRS document contains the following items:

- Product Description: Purpose, Goals scope.
- Requirements: functional and non-functional requirements.
- System features.

1.2 Scope

a. System Scope

User Scope: Gyalpozhing college.

- The user scope of my project is limited to Gyalpozhing College Of Information Technology.

System Scope:

User/students

- 1: View :- Students will be able to view the main page consisting of the category selection of their preference.
- 2: Category selection:- The users/students will be able to select their preferred department, to search for the number of the particular person.
- 3: search bar:- The user/students can also search the name of the person directly to view their phone number.

Admin

He/she shall be responsible for editing/deleting/adding of new members/teacher and their phone number.

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2. Requirements

a. Functional Requirements

i. User

- View :- Anyone can view the knowledge or information stored about the rituals and requirements.
- Register:- In order to communicate, the head of the monasteries and the user must be registered.
- Log in:- Once the user and head of the monastery is registered, they must log in to access the application fully.
- Log out:- After successful requests and approval respectively from the user and focal person, they can log out from the system.
- Category selection:- once the user is registered the user will be allowed to select monasteries to avail the services.
- Form request:- In order to avail the services the user will have to fill up a form and submit to the focal person(head of the monasteries).
- Notification :- Once the user sends the form, the head of monasteries will be notified.

ii. Admin:

- Admin has the permission to perform CRUD operation for the details of the focal person(head of the monastery). User details are also accessible to the admin.

b. Non-functional Requirements

i. Safety Requirements

The application will be sitting on the user's and in case if the user has lost their old phone or mistakenly uninstalled then they just have to reinstall the application and start using the application.

ii. Security requirements

Privacy is needed when we have very sensitive data or data which can cause any kind of violation to the users specifically. But this application doesn't take any sensitive data so privacy is not highly considered.

c. Software Requirements

i. **Java jdk 8 and above (version)**
While developing this application, we will be using java language using the java development kit version 8 and above.

ii. **Android Studio (version 4.1)**
Android studio will mainly be used for building of application on different types of android devices as it provides fast development of application to the developers.

iii. **Firebase (version 19.2.1)**
While developing this application, we will be using Firebase database to store our data.

3. Hardware Requirements

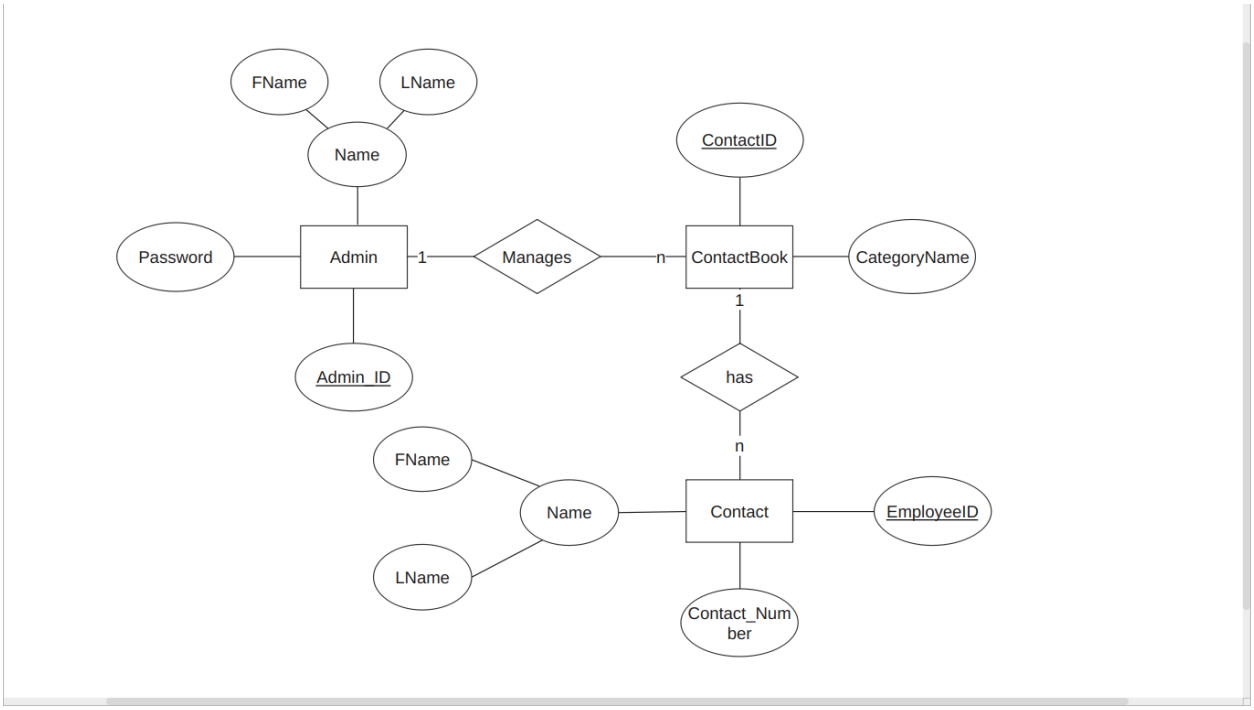
i. Laptop

To be able to develop an mobile application, laptop of minimum 4 gb RAM is required to operate Android Studio but even then the laptop takes a toll on it, for the software to run smoothly 8 Gb RAM is required.

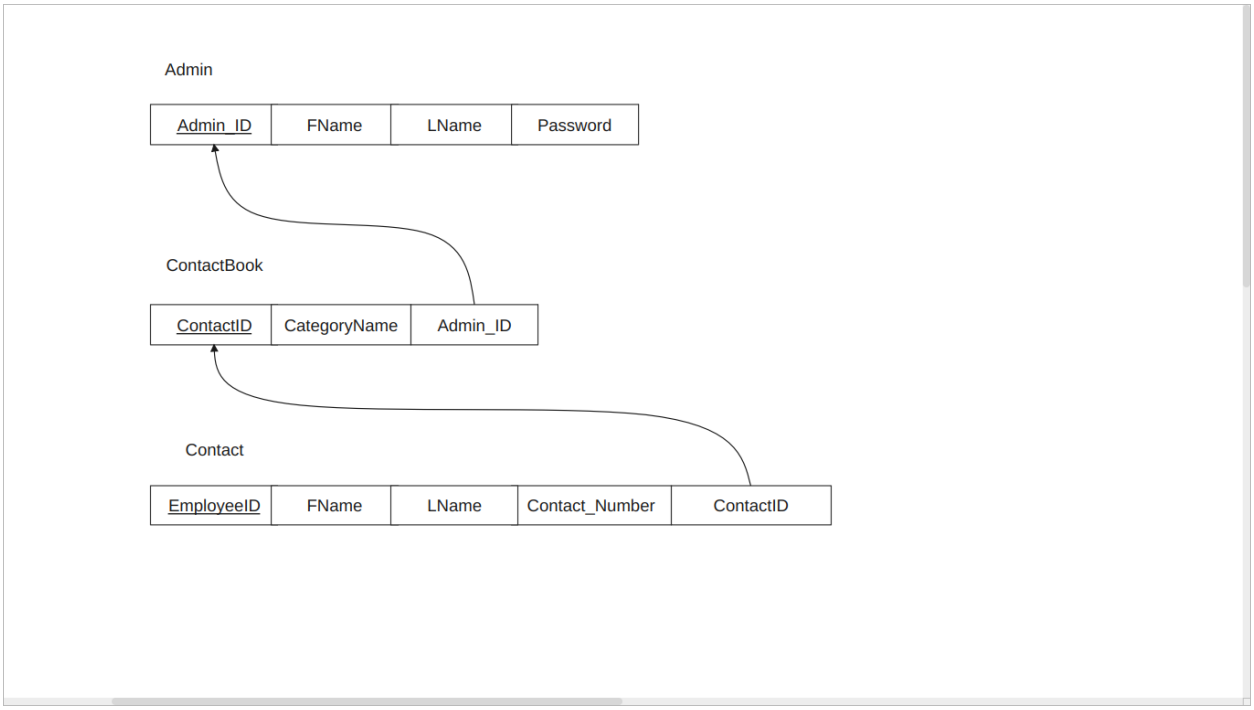
If the laptop is of 4gb RAM, we need a android phone (version 4 and above) to test our application in every phase as running the emulator in the laptop may slow down our laptop.

4. System Designs

a. ERD (Entity Relationship Diagram)



b. Relational Schema



c. Use case Diagram