

SOFTWARE REQUIREMENT SPECIFICATIONS

Project Topic: Pride

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Introduction

1. Purpose

- ✓ To build an effective communication mobile application for LGBTQ.

2. Scope

a. System scope

- ◆ Register
- ◆ Login
- ◆ Delete personal account
- ◆ View Profile of other users
- ◆ Upload and update personal profile
- ◆ Search other users
- ◆ Send request
- ◆ Accept request
- ◆ Add to friend list
- ◆ Remove from friend list
- ◆ Two way messaging through text

b. User scope

- ◆ LGBTQ (Lesbian, Gay, Bisexual, Transgender, Queer or Questioning) of Mongar Dzongkhag.

Requirements

1. Functional requirements

- ◆ Register
User has to register in order to use the application.
- ◆ Login
After registration, user can login and use the application.
- ◆ Delete personal account
User can not only create an account but delete their account as well.
- ◆ View Profile of other users
To be able to interact with other users, the particular user need to go through the profile of other users so that it is easier for them to figure out if the other user is of their interest.
- ◆ Upload and update personal profile
Users can change and upload their profile whenever they want to.
- ◆ Search other users
Users will be able to search for other users thereby making it easier for them to find the person they are looking for.
- ◆ Send request
As soon as user find another user who they want to interact with, they can send a request.
- ◆ Accept request
User can accept the request send by other users if they want to.
- ◆ Add to friend list
After accepting the request, by default the accepted friend will be added to the user's friend list.
- ◆ Remove from friend list

- ◆ If the user want to remove a friend they can unfriend them
 - ◆ Two way messaging through text
- Users will be able to interact with each other through text message.

2. Non-Functional requirements

- Usability
My application will have a user friendly interface, ease of learning, memorability and user satisfaction.
- Responsiveness
Android devices come in all shapes and sizes, so my application's layout will be flexible. By supporting as many screens as possible, my app can be made available to the large number of users.
- Safety
My users will be provided with an option to report to the admin about issues such as abusive messages and threatening text messages.
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3. Software requirements

- Operating System: Windows 10/8 (64-bit) or ubuntu 20
- Android SDK: Android SDK version 16
- Android Studio: Version 3.0 and above
- Java Version: JDK 8 (Java Standard Edition Development Kit)
- Database: Firebase version 19.2.1.

Hardware Requirements

1. Developer requirements

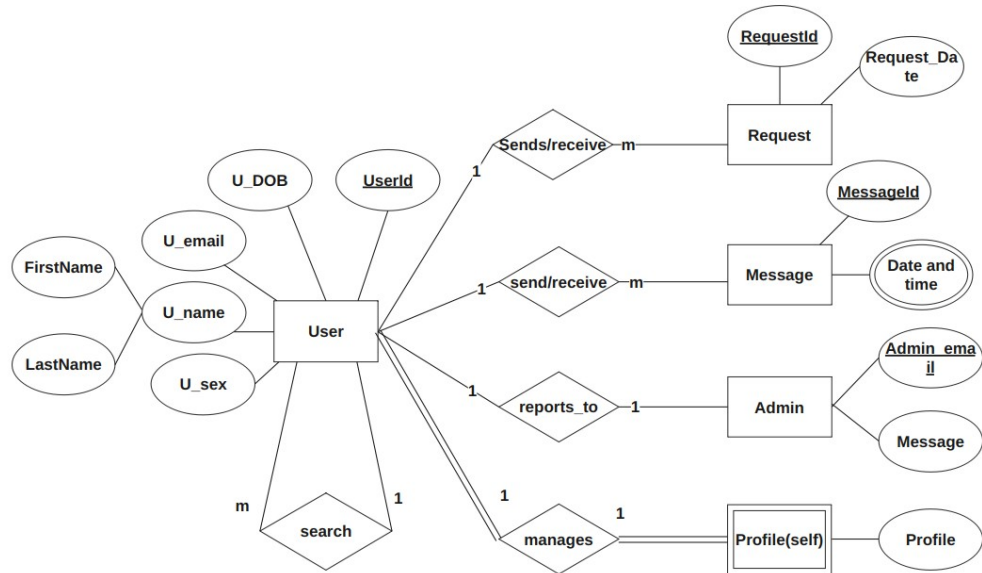
1. Processor : Core i3 and above
2. Disk space : 3GB minimum(8GB recommended)
3. RAM : 4GB and above

2. User requirements

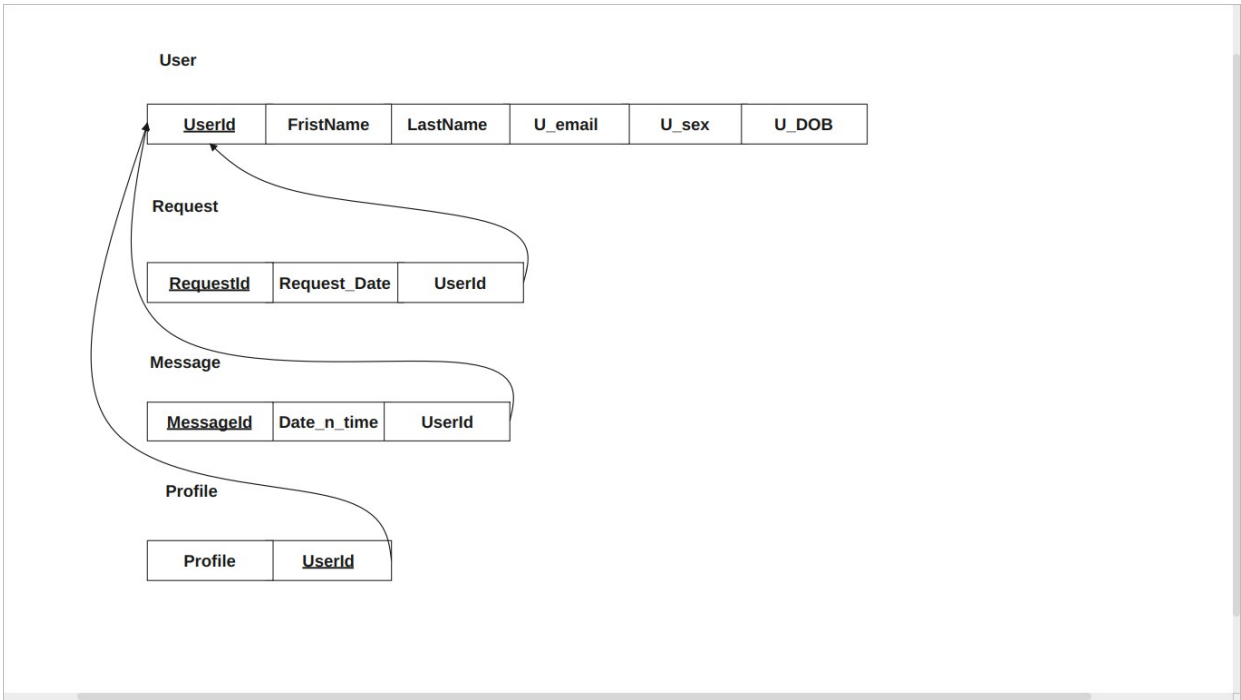
1. Android phone

System Design

a) ERD



b) Relational Schema



c) Sequence diagram



d) Use Case Diagram

