Software Requirements Specification (SRS) for Home Finder

1. Introduction

1.1 Purpose

- The purpose of the Home Finder App is to provide a platform for users to buy and sell houses efficiently.

1.2 Scope

- The app will include features for property listing, user authentication, and search functionality.

1.3 Definitions, Acronyms, and Abbreviations

- o **User:** Refers to individuals using the app.
- o **Listing:** Refers to a property that is available for sale.

2. Overall Description

2.1 Product Perspective

- The House Selling App is a standalone application that connects buyers and sellers in the real estate market.

2.2 Product Features

o User registration and authentication
  - o Property listing and searching.
  - o User's authentication

2.3 User Classes and Characteristics

- Buyers
- o Sellers

2.4 Operating Environment

- The app will be available on Android platforms.

3. Specific Requirements

3.1 External Interface Requirements

3.1.1 User Interfaces

- The app will have intuitive user interfaces for listing properties and searching properties.

3.1.2 Hardware Interfaces

- The app will require standard mobile device features.

3.2 Functional Requirements

3.2.1 User Registration and Authentication

- Users can create accounts and log in securely.

3.2.2 Property Listing

- Sellers can create detailed property listings with images, descriptions, and pricing.

3.2.3 Property Search

- Users can search for properties based on location, price range, and other filters.

3.3 Performance Requirements

3.3.1 Response Time

- The app should respond to user interactions within 2 seconds.

3.3.2 Scalability

- The app should handle a growing number of users and property listings.

4. System Models

4.1 Use Case Diagrams

-
  - o User Registration
-
  - o Property Listing
-
  - o Property Search

4.2 Sequence Diagrams

-
  - o User Registration Flow
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o Property Listing Flow
•
o Property Search Flow

5. Appendices

5.1 Glossary

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o Listing
•
o User

5.2 References

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o [Relevant industry standards or guidelines]

<u>Database Table:</u>

1.Users:

Column Name	Data Type	Constraints
User Id	INT	PRIMARY KEY, AUTO_INCREMENT
Email	VARCHAR(100)	UNIQUE
First Name	VARCHAR(50)	NOT NULL
Last Name	VARCHAR(50)	NOT NULL
Phone Number	VARCHAR(20)	UNIQUE
Password	VARCHAR(255)	NOT NULL

2. Property Listing:

Property Listing

Column Name	Data Type	Constraints
Property Id	INT	PRIMARY KEY, AUTO_INCREMENT
User Id	INT	FOREIGN KEY REFERENCES Users(User Id)
Address	VARCHAR(255)	NOT NULL
Bedrooms	INT	NOT NULL
Bathrooms	INT	NOT NULL
Living	VARCHAR(50)	
Dining	VARCHAR(50)	
Kitchen	VARCHAR(50)	
Images	VARCHAR(255)	
Rent	INT	NOT NULL

3. Session Table:

Session Table

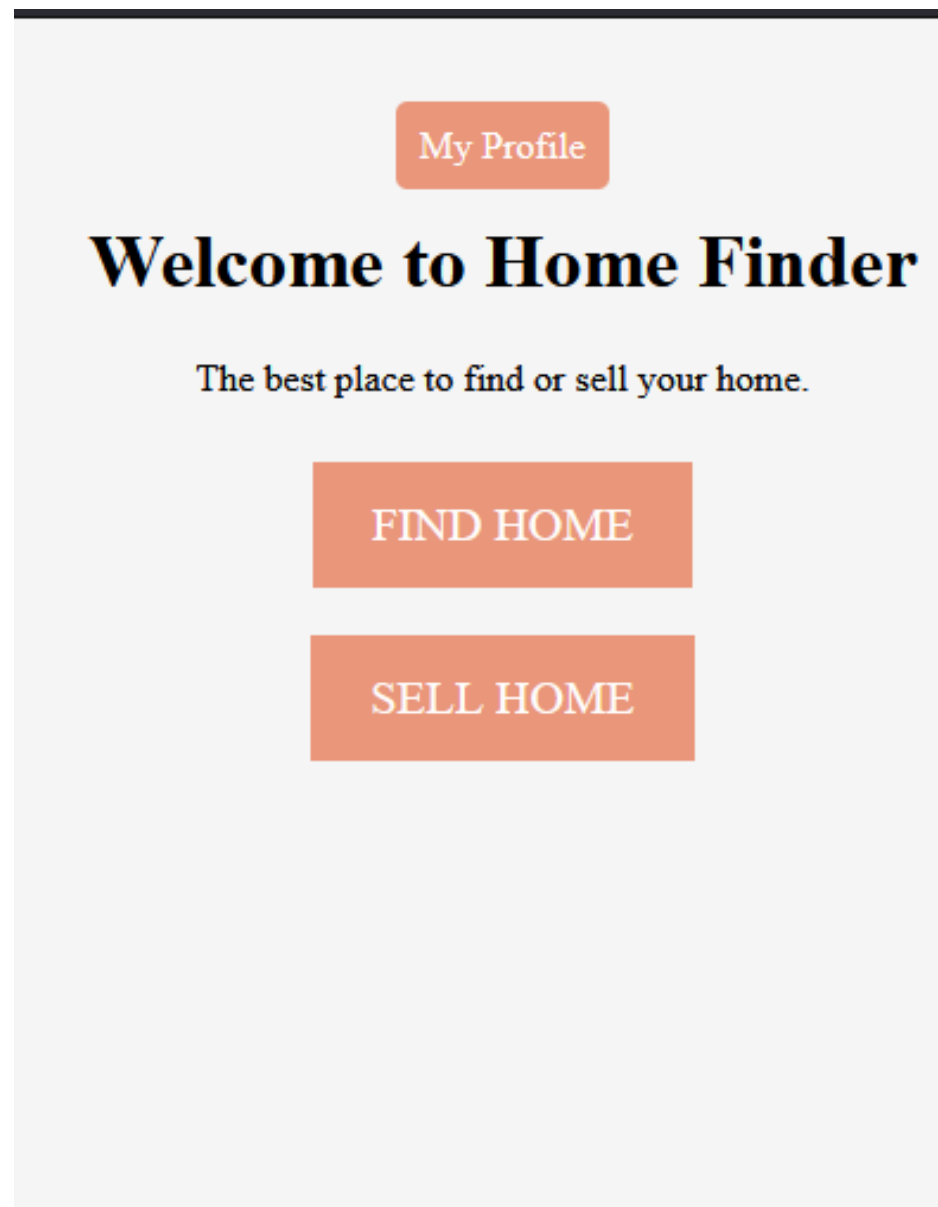| Column Name	Data Type	Constraints
User Id	INT	PRIMARY KEY, FOREIGN KEY REFERENCES Users(User Id)
Verified	BOOLEAN	NOT NULL
Validation Time	DATETIME	NOT NULL

4. Verification Table:

Verification Table

Column Name	Data Type	Constraints
Email	VARCHAR(100)	PRIMARY KEY
Password	VARCHAR(255)	NOT NULL

Entity Relationship Diagram:
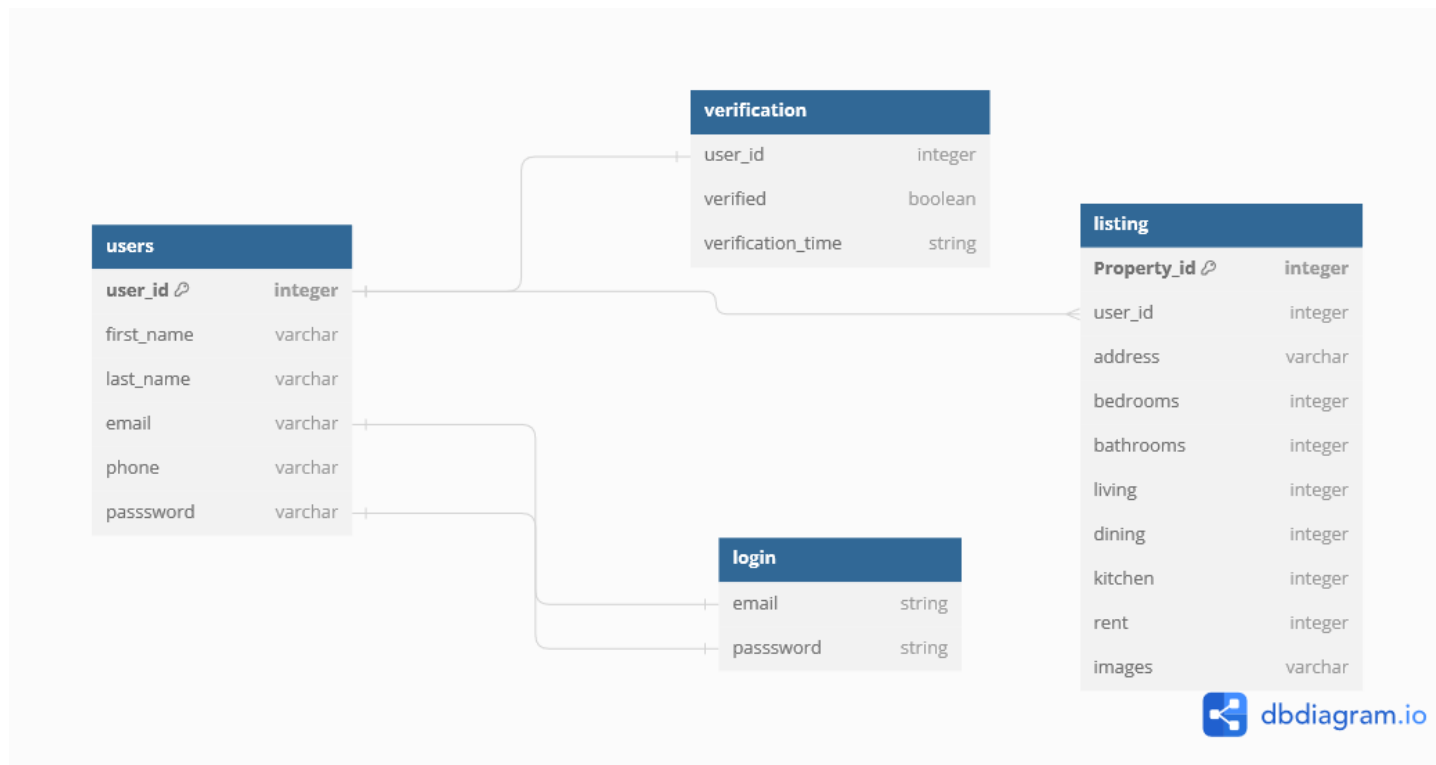
Interface Screens:

Description:

Bedrooms:

Bathrooms:

Kitchen:

Dining:

Living:

Address:

Rent

Submit

Properties For Sale

1. **Desription:**
   2 Bedroom, 2 Bathrooms, Kitchen, Dining

   Image:

   Rent:
   30K

   Address:
   Bangladesh

   Contact Seller

2. **Desription:**
   2 Bedroom, 2 Bathrooms, Kitchen, Dining

   Image:

   Rent:
   30K

   Address:
   Bangladesh

   Contact Seller

3. **Desription:**
   2 Bedroom, 2 Bathrooms, Kitchen, Dining

   Image:

   Rent:
   30K

   Address:
   Bangladesh

   Contact Seller

Sign In

Please enter your email to sign in.

Email

yourname@email.com

Password

Sign In

Sign Up

Please fill in this form to create an account.

Email

Enter Email

First Name

Enter First Name

Last Name

Enter Last Name

Phone Number

Enter Phone Number

Password

Enter Password

Repeat Password

Repeat Password

Sign Up

User Info

User Name:
Example

Email:
example@gmail.com

Phone:01xxxxxx

View Example's Properties