

# Goal

to solve

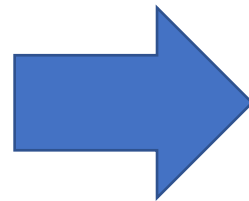


***Need a rent House?***



***or***

***Wanna "To-Let" House?***



***Here Is a Solution Apps***

***You just need a Android smart phone***

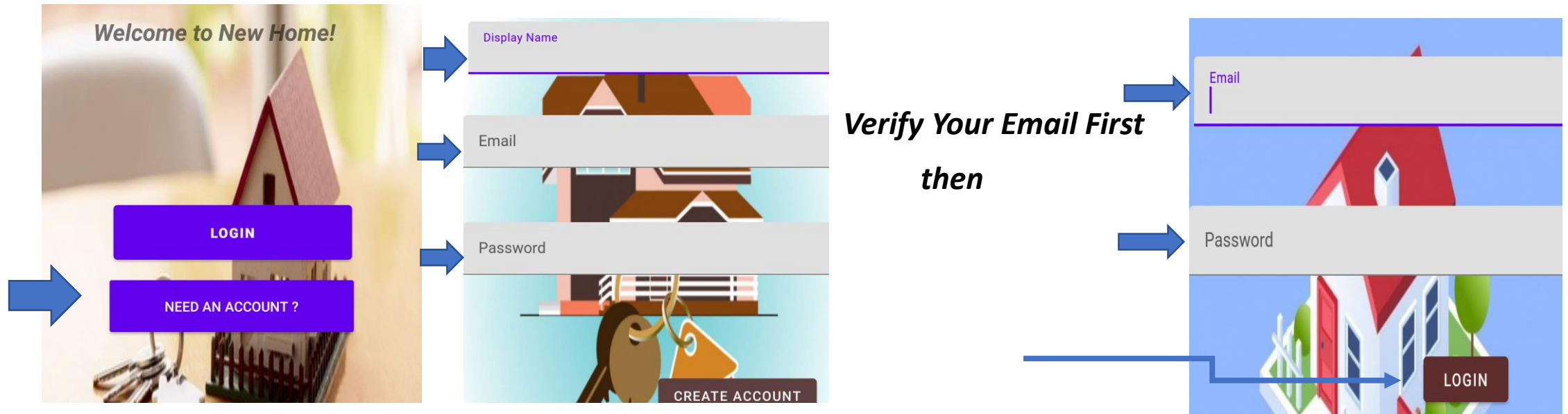


# Name Of apps : TO-LET

You have to install it in your phone with minimum android version 5.0

**You have to register a account:**

GO "*NEED AN ACCOUNT BUTTON*" then Give a ***Display name*** and ***valid email*** and crate a ***new password*** for this apps



Users

User can be



**Owner of the house**

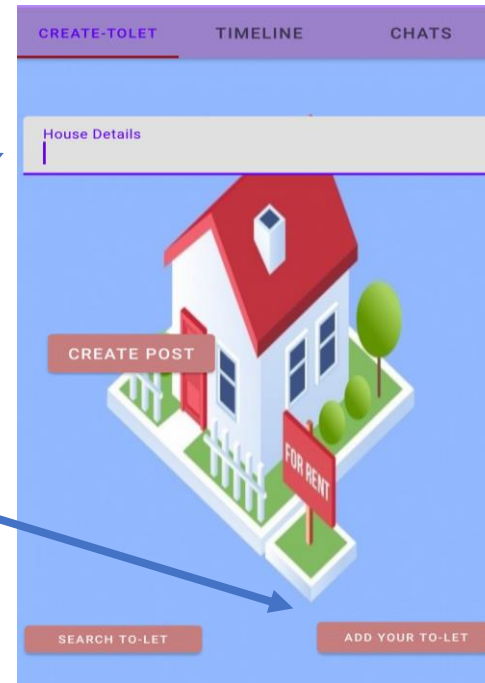
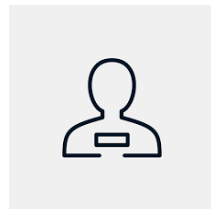
**Renter**

# User As Owner of the House

After login user will appear in home page & there He/She can do **two** things

Create A post with House details

Add House details on Database



User As Owner of the House

# Create A post with House details

Here The User can ***Post a house details*** for rent

He can add-

***House Name:***

***Floor:***

***Rooms:***

***Location:***

***Extra Details:***

***Contact Info:***

Which will show in **TIMELINE** section

The diagram illustrates the process of creating a post and its subsequent display. On the left, a mobile app interface shows the 'TO-LET' section with tabs for 'CREATE-TOLET', 'TIMELINE', and 'CHATS'. The 'CREATE-TOLET' tab is active, displaying a form for 'House Details' with fields for 'House Name', 'Location', 'Rent', 'Sub-Let/To-let', 'room numbers', and 'other facilities'. Below the form is a 'CREATE POST' button. A blue arrow points from this button to the 'TIMELINE' tab. On the right, the 'TIMELINE' tab is shown, displaying a post by 'Sumon Khan 99'. The post details include: 'HouseName: Sumon Complex', 'Floor: 4th-A', 'Location: 3/A Medical road, House 42, Modina Market, Jalalabad, Sylhet', 'Rent: 16k taka', 'Type: To-let', and 'Extra Details: the house has 3 bedroom, 1 kitchen, 1 dining space, it has parking facility, and it only for family'. The post also lists 'Phone: 0123456789' and 'email: abc@gmail.com'. At the bottom of the app interface, there are buttons for 'SEARCH TO-LET' and 'ADD YOUR TO-LET'.

**TO-LET**

**CREATE-TOLET** **TIMELINE** **CHATS**

**House Details**

House Name  
Location  
Rent:  
Sub-Let/To-let;  
room numbers  
other facilities

**CREATE POST**

**Sumon Khan 99**

HouseName: Sumon Complex  
Floor: 4th-A  
Location: 3/A Medical road, House 42, Modina Market, Jalalabad, Sylhet  
Rent: 16k taka  
Type: To-let  
Extra Details: the house has 3 bedroom, 1 kitchen, 1 dining space, it has parking facility, and it only for family

Phone: 0123456789  
email: abc@gmail.com

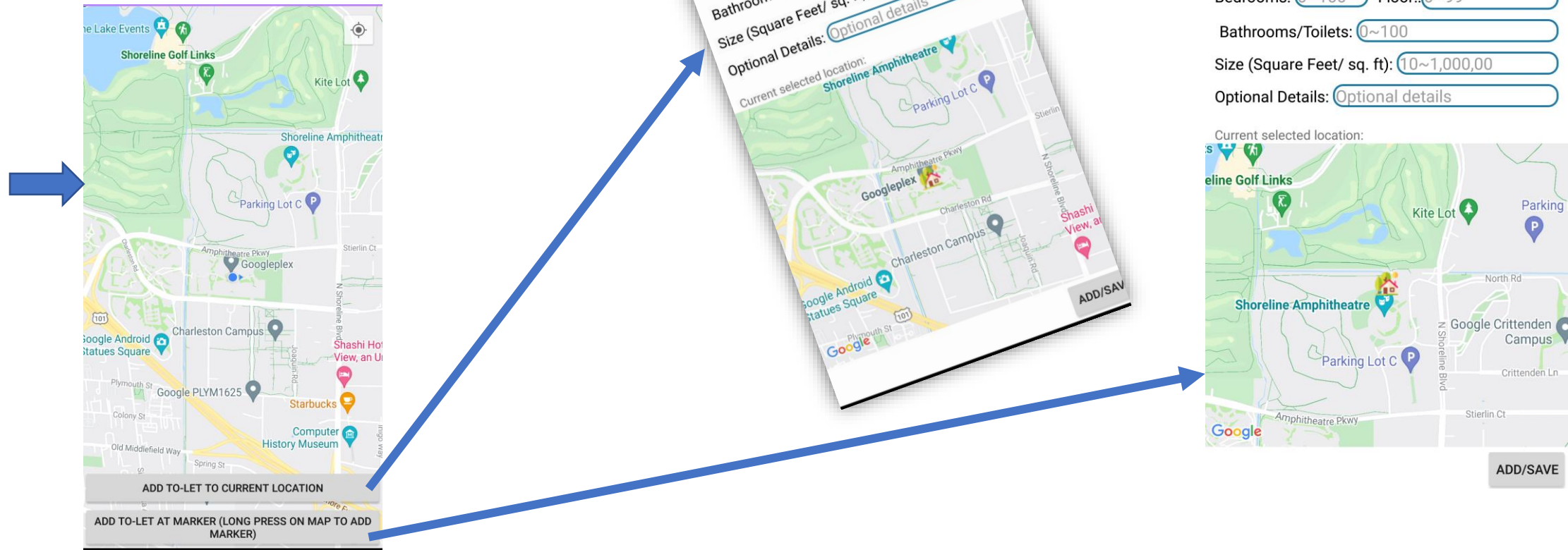
**SEARCH TO-LET** **ADD YOUR TO-LET**

User As Owner of the House

# Add House details on Database

By clicking “ADD YOUR TO-LET” button

User can add his/her current location house  
Or other selected location house  
And save it

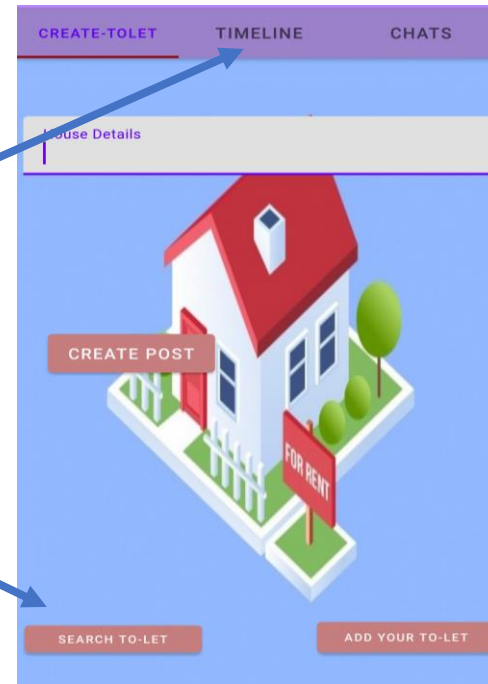
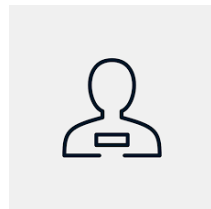


# User As Renter of the House

After login user appear in home page & there He/She can do **two** things

Can go to ***TIMELINE*** Tab

***SEARCH TO-LET*** House from database

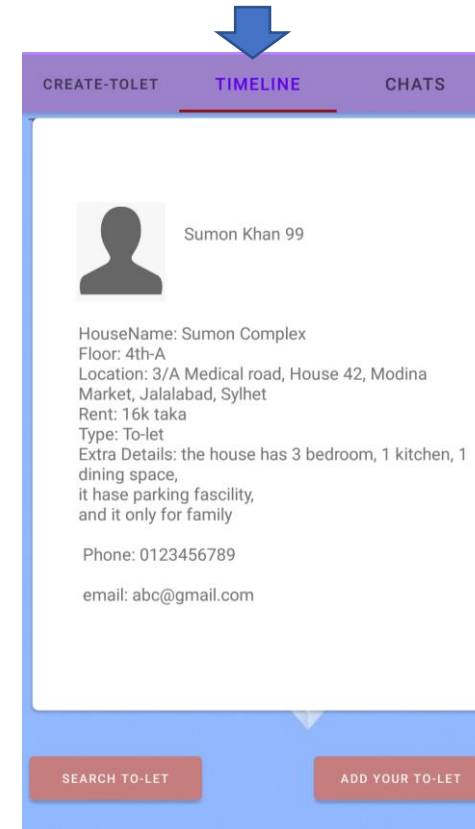
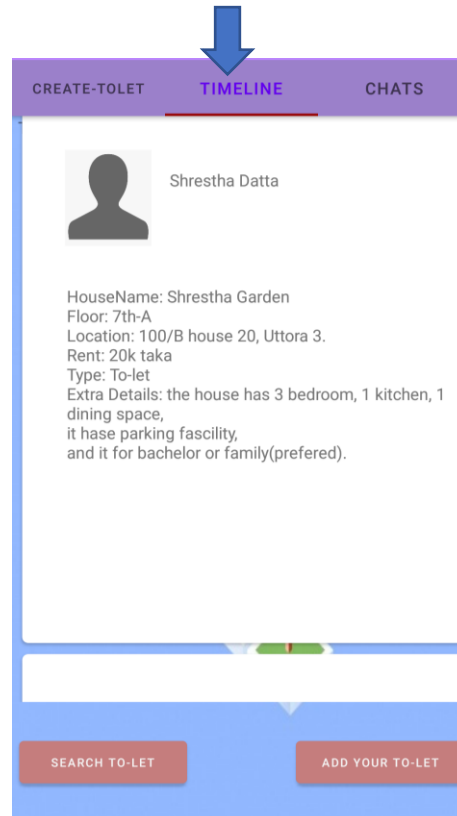


## User As Renter of the House

# Can go to **TIMELINE** Tab

When User go to to *TIMELINE* tab

User can see The posts those are posted by owner of the house



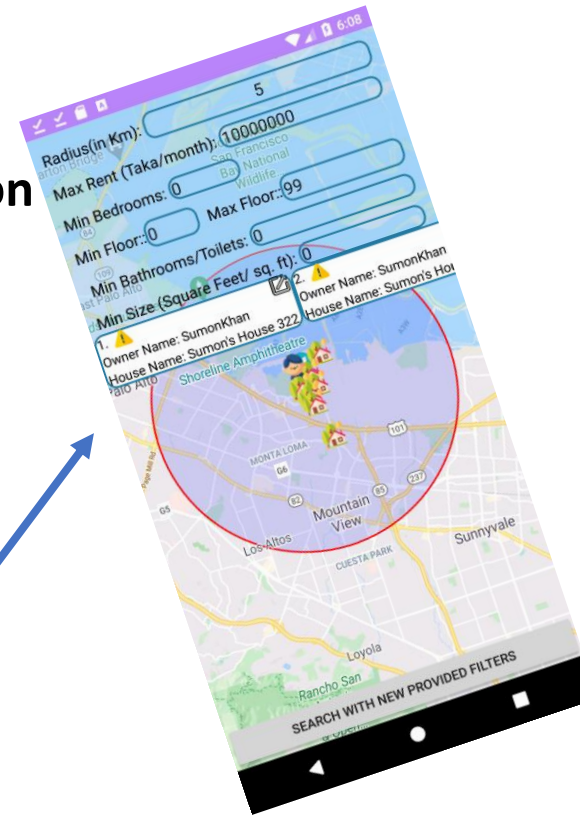
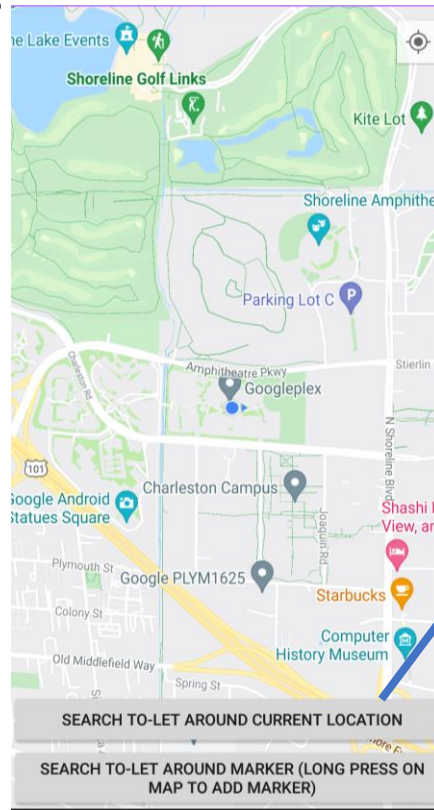


# User As Renter of the House

## Can Search To-Let House

By clicking “SEARCH TO-LET” button

User can search with his/her current location  
Or other selected location house  
And find it.



## User As Renter of the House

# Search Result

The search resulted list of To-lets can be found as horizontal scrollable list with small description as well as marked with house icon at their location!

Radius(in Km):



Max Rent (Taka/month):



Min Bedrooms:

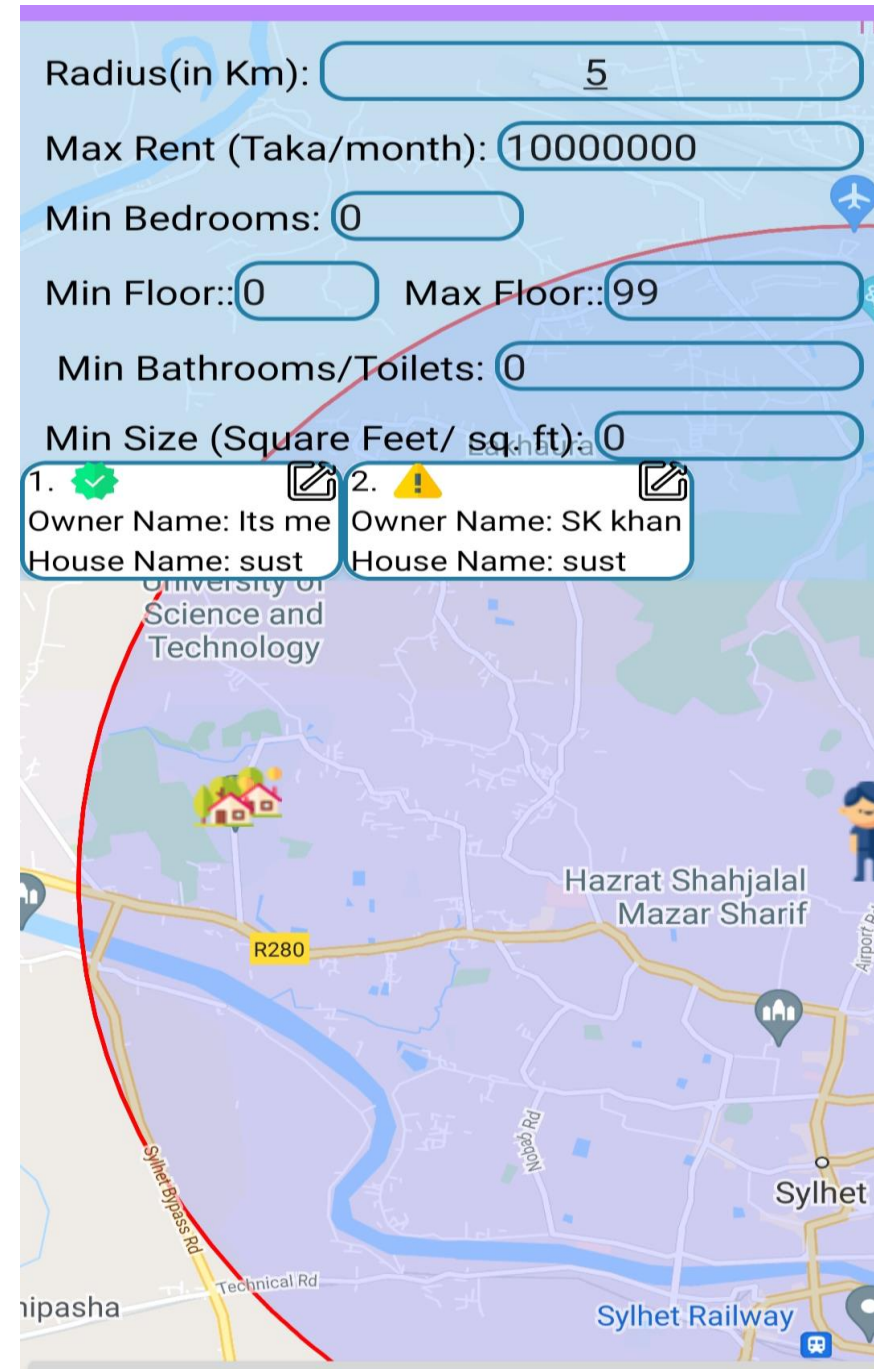
Min Floor::  Max Floor::

Min Bathrooms/Toilets:

Min Size (Square Feet/ sq. ft):

1.    
Owner Name: Its me  
House Name: sust

2.    
Owner Name: SK khan  
House Name: sust



## User As Renter of the House

# Search Result

The searching radius can be changed according to user convenience along with filter options. Upon clicking the house icons on map will also show a short description of them!

Radius(in Km): 500

Max Rent (Taka/month): 10000000

Min Bedrooms: 0

Min Floor::0 Max Floor::99

Min Bathrooms/Toilets: 0

Min Size (Square Feet/ sq. ft): 0

2. ✓ Owner Name: Its me House Name: IUBAT5

3. ✓ Owner Name: Its me House Name: sust

4. ⚠ Owner Na House Na

1. IUBAT5

**Bangladesh**

Durgapur Kolkata Chattogram

WEST BENGAL TRIPURA

✓ To-let creator was near while creating this to-let

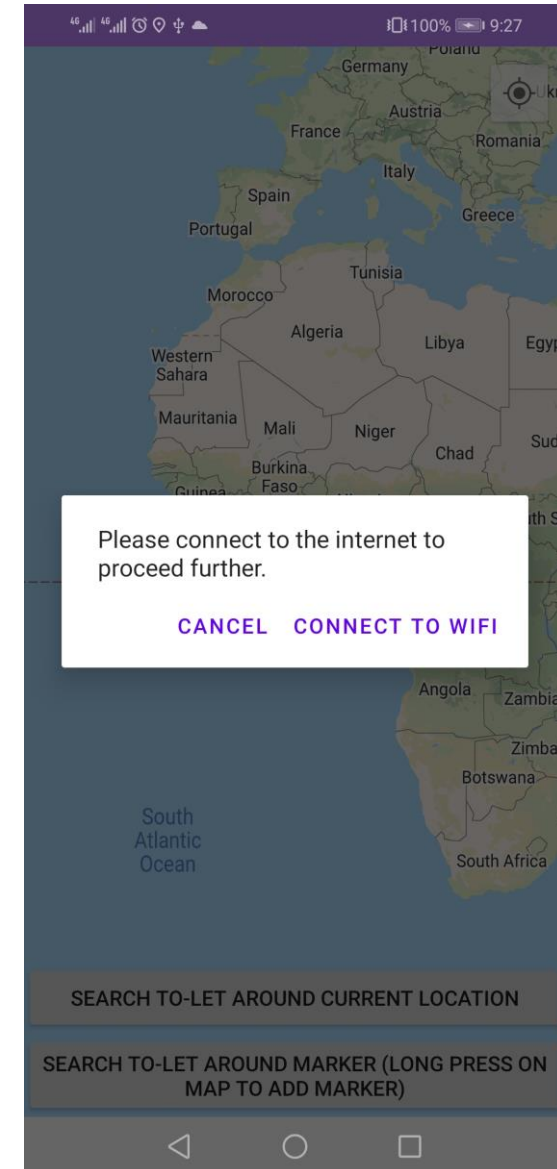
Owner Name: Its me  
Owner Contact Number:  
House Name: IUBAT5  
House Address: Rd No 8A, Dhaka 1230, Bangladesh  
House Detail: Gj

SEARCH WITH NEW PROVIDED FILTERS



# ERROR HANDLING

Incase of disconnected internet  
where net connection is necessary  
following popup will show and prompt  
the use to connect to the internet



# ERROR HANDLING

Various fields have error checker, like whether the house

Name entered is  
Unique or not

Radius(in Km): 5

Max Rent (Taka/month): 10000000

Min Bedrooms: 0

Min Floor: 0 Max Floor: 99

This field cannot be empty

Min Size (Square Feet/ sq. ft): 0

1. Owner Name: Its me House Name: sust

2. Owner Name: SK khan House Name: sust

SEARCH WITH NEW PROVIDED FILTERS

House/Apartment Details:

House Name: IUBAT

House Address: WJ House Name Already exists

Rent (Taka/month): 0~100,000,00

Bedrooms: 0~100 Floor: 0~99

Bathrooms/Toilets: 0~100

Size (Square Feet/ sq. ft): 10~1,000,00

Optional Details: Optional details

Current selected location:

MALIPARA

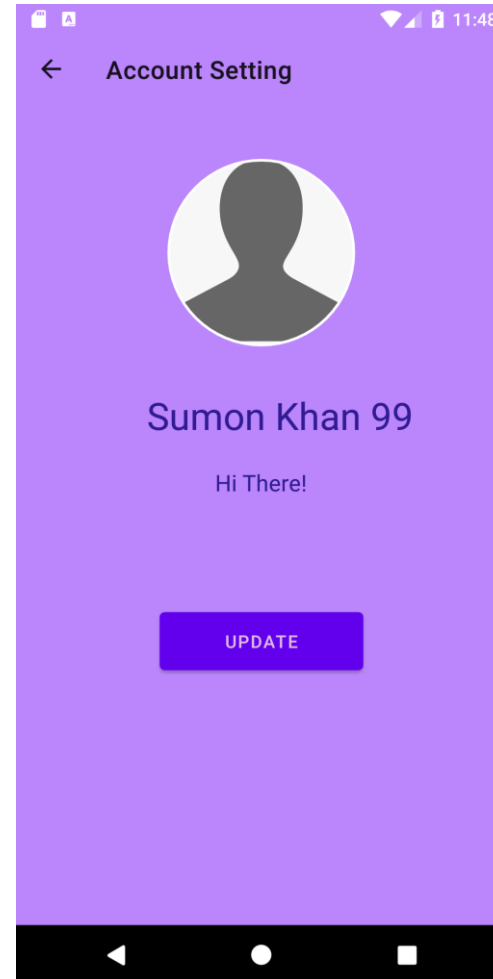
KHASDABIR

GOAITOLA

ADD/SAVE

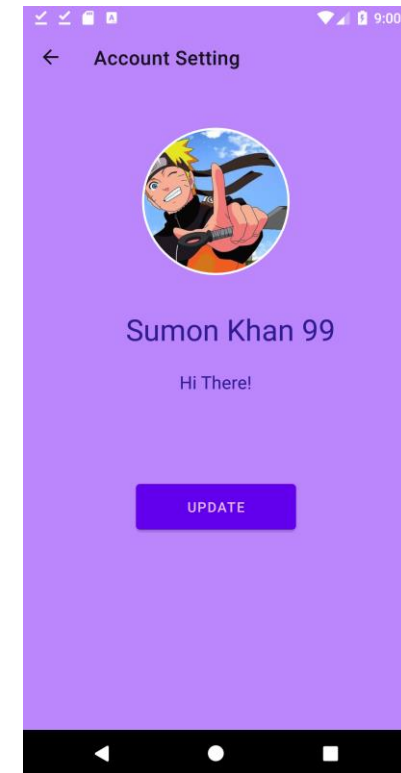
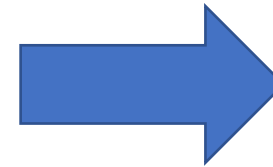
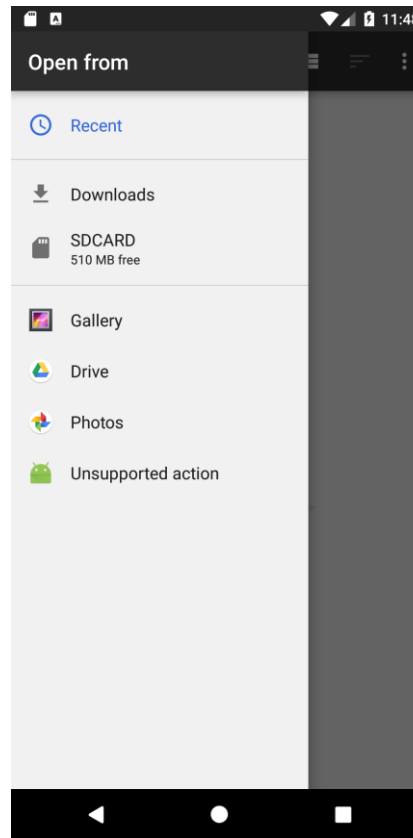
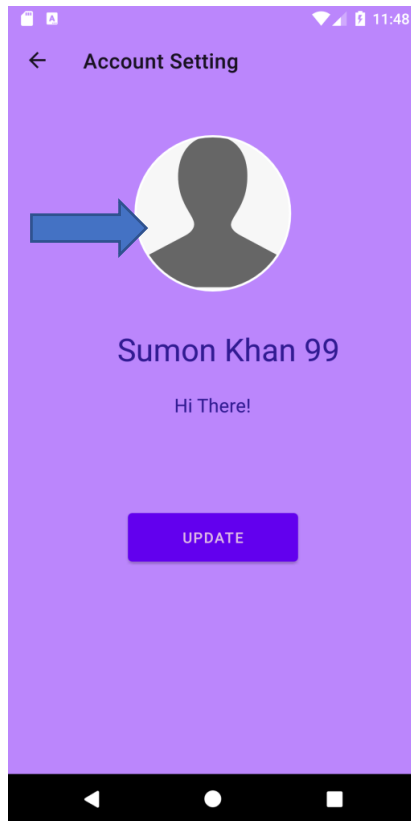
# User Account setting

User can go to account setting  
from menu item “**Account setting**”  
And can **update** his/her  
profile picture



# User Account setting

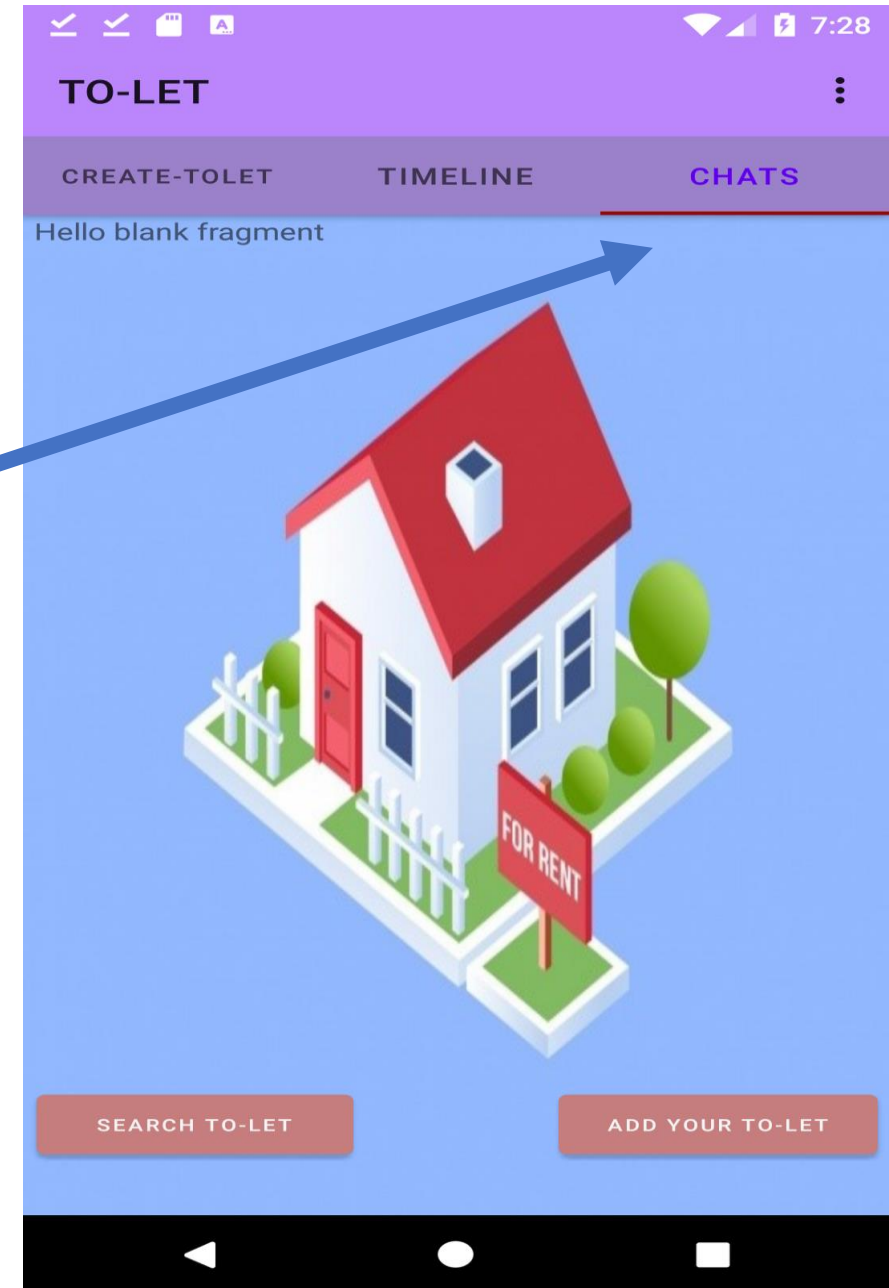
## Updating profile picture



# Unimplemented Features

- Messaging system-

we want to implement  
chatting system among  
users (renter to owner of the house)





# Unimplemented Features

Edit or delete to-let, and update whole user profile information

Full house details related Activity and UI which will be shown upon clicking details icon in the ScrollView. Implementation of this feature is to be added at line 399 inside overridden onClick method inside addHouseCard method of SearchResultMapsActivity.java file

# Contributions

## **Contribution of \_**

Shrestha Datta(2018331030) :

AddHouseInfomation:

House details,loactions detals,

SearchHouseInfomation:

Search with all details

all \_ code logic design

which are explain in slide(page)

6,9,10,11,12,13

MD. SUMON MIAH(2018331062) :

Starting,Registering,login,

Hompage,UI\_logic

timeline handling,account setting

Email verification, etc desing & handling

which are explain in slide(page)

2,3,4,5,7,8,14,15

# Contribution

## Other Contribution of

### Google

Google Map

Geocoder

Google Play services plugin

### Google Firebase Libraries

Authentication

Realtime Database

Cloud storage

### GeoFire Library

### Dexter Library

### Bump Technologies for Glide library

### Hennig Dedenhof for CircleImageView library

For icon [www.flaticon.com](http://www.flaticon.com)

SimCode Youtube channel and others

# Greetings

**Team Number: 12**

**Name of the Team: The Apostrophe**

**Team Members:**

**1.Shrestha Datta (2018331030)**

**2.MD. SUMON MIAH (2018331062)**

***Thank you***