

Apartment Hunter- Android Application

Application Idea:

This Project enables following features:

- Takes the input of street, budget and zip code
- Shows a map with available apartments
- Enables tap feature on the map
- Enables zoom feature on the map
- Enables to view management information for the available apartment
- Enables to view the management website for the more information
- Enables to go back and input new street and locations

Application logo:



Inputs:

1707 West victoria

61820

Enter Max Budget e.g 600,700,1000

Find Apartments

:Inputs:



1707 West victoria

61820

Enter Max Budget e.g 600,700,1000

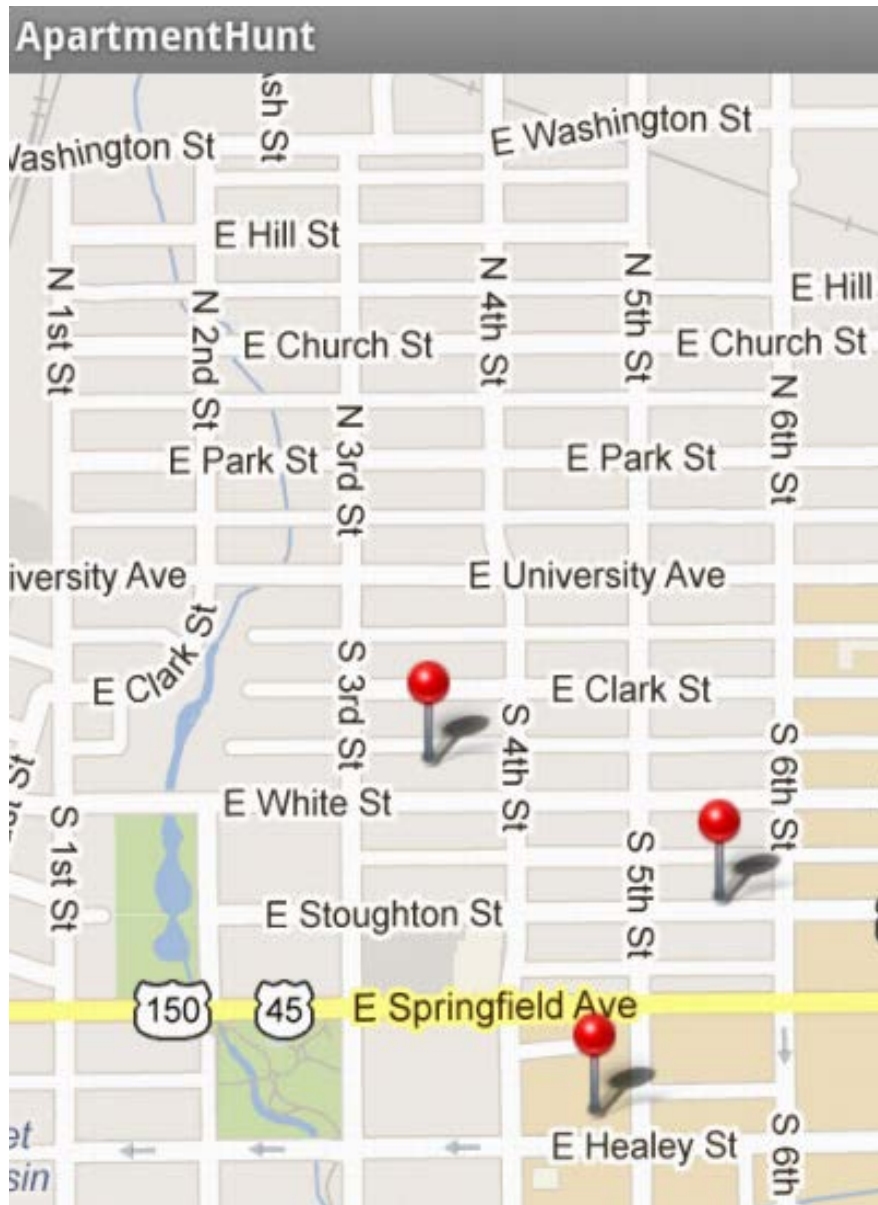
Find Apartments

- The above are the required fields of this application. If any of the field is missed it echoes to the user to input all the required fields

Enter address:	509 e Stoughton
ZipCode	61
Enter Max Budget e.g 600,700,1000	1000
Find Apartments	Find Apartments
	
<div>1 2 ABC 3 DEF -</div> <div>4 GHI 5 JKL 6 MNO .</div> <div>Please entire all the required information</div> <div>7</div> <div>* # (0 + _ Done</div>	<div>1 2 ABC 3 DEF -</div> <div>4 GHI 5 JKL 6 MNO .</div> <div>Please enter a valid 5 digit zipcode</div> <div>7</div> <div>* # (0 + _ Nex</div>

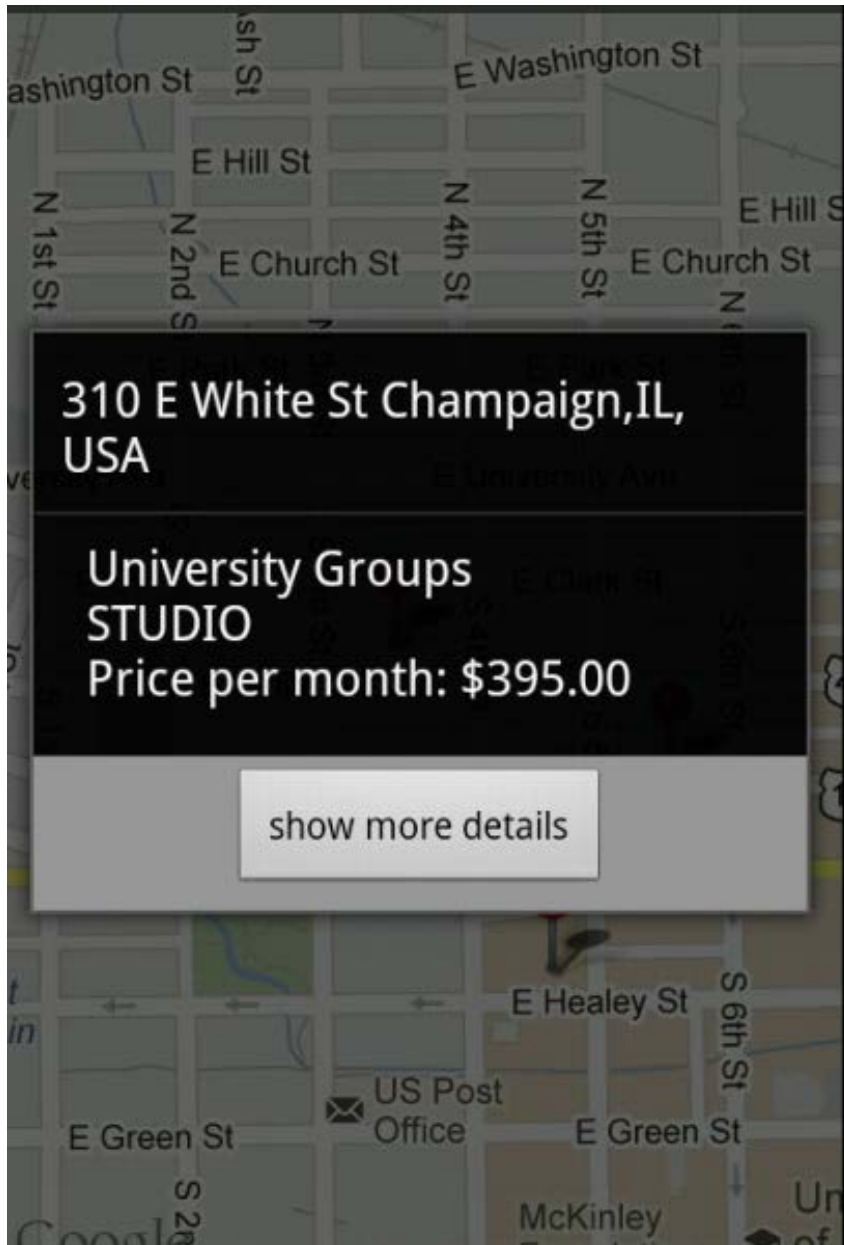
- The main search is based on the area zip code hence the main screen ensures that a valid input for zip code
- If the budget is too high it outputs all the query from the database
- If the input is too low it gives out "No result found"

Next on clicking "Find Apartments"



- The red dots shows the available apartments from the database
- They are created by customizing the Overlay class of the android Google map
- The Itemized Overlay makes this custom constructor and initializes all the data necessary for the next activity
- Itemized Overlay has two constructors one is empty and one is customized, that takes ct_name, zipcode, management info, phonenumner

Next on clicking on Red Pins



- After the user clicks the red button a respective dialog box opens up with the street address and type of unit and price
- After the user clicks “Show more details” phone number is shown
- This box is implemented via OnTap() feature in the Itemized Overlay
- It is a library function that is enabled by itself

Next on clicking “show more details”



- In the OnTap activity the dialog box recognized a click on it and then starts a new activity named Show_Details which initializes the informations and also synchronizesthe web link with the button
- In order to enable a web page on clicking a button another library of android, uril is being used (refer Show_Details)

Next on clicking “Management Website”



Units Available

Studio



Price per month

Price per occupant

Units Available

Comments

Only have 2nd and 3rd floor

2012! One studio left for \$3

Additional information:

Android Maps External Libraries
libraries.com.google.android.maps.

It consists of following classes:

- ComboyzMapsAwesomeAcitivity: (main activity that loads the first screen) main_layout
- googleActivity: (second screen that loads the mapview) new_frame_layout
- ItemizedActivity:(Library of google maps android, that overwrites the function onTap)
- Show_Details: (Opens up if the user clicks on the dialog box to start a new activity for more information, to show details)
- Management website: A url attached button that enables new activity to open webpage