Problem Statement

We have tried implementing all the three problem statements:
1) Making property walk through interesting- its a common problem where people from family accessing the application from various devices have issues in co-ordinating their views even though they are looking for the same thing.
2) Recommend users optimal properties based on their priority locations
3) Review analysis
4) Avoiding user migration from the native apps

Our Solutions:

1) We have taken a map and grouped them all into places like residential area, industrial area, etc. This helps a person who has very little or no knowledge about the city/state to get an idea about which place he/she should look for. We have tried to mention the population density and other factors which act decisive for buying a property.

2) We are implementing a one-to-one/one-to-many "View Synchronization" where we sync maps on various devices. That is, if user1 Places a marker/Zooms/Pans, these actions simultaneously reflected in the screen of user2 and vice-versa is possible. They also can chat over while doing the same. This helps people to communicate the attributes that he/she wants the other person to notice. Thus making land search more easy, exciting and optimal.

3) We shall ask the users to enter his three priorities in areas where he wants to buy a property/land.
-> Based on the co-ordinates of these places, we triangulate them and find a centroid.
-> The co-ordinates we find as the centroid is the best place for him to invest for his property and give him input about how trending the place/area is.
-> Then we shall suggest properties closer to the centroid in the an ascending order i.e. the near ones first and farther ones later.
-> Each of these properties will have its appreciation graphs i.e. how much is the value of the property is increased over a period of time (here 10 years 2005-2015).
-> It also has information about the nature of the soil(essential for construction of the building), if it has a history of calamities (earthquakes, landslides, etc), if the particular land is under dispute or does not have clear documents.
-> Each of the property has a review button where a review is given by an expert from the company.
All these factors help the user to choose the best of the available lands.

4) The reviews are of two types, one given by a trusted person, here an expert from the company and by the other users. We are never sure about the correctness of their statements. We have tried to give a comparison of the statement given by expert and statements by user just to verify the correctness. We query down all the reviews to the alchemy API and we shall get the sentiment

behind them. Then we shall put them in a table for comparison. This shall help us in detecting if the given statement is true or not.

5) The last but not the least is that people generally tend to uninstall the application after the transaction is done. To prevent this we have a service where the company can send notifications to user about new deals if they have subscribed for them or give them notifications about their previous deals, like tell them about the appreciation related to the property purchased or if he is getting a good deal from another dealer for his property etc. By this one will not uninstall the application as they would always be interested to know about the status of their property.

Technology Stack

HTML/HTML5
CSS/CSS3
JavaScript
PHP
MySQL
Socket.io
Node.js
Google Maps API
Google Charts API
Mapbox API
Google Could Messaging
Android
Alchemy API

Areas incomplete:

We have managed to complete all the solutions for the problem statements which we were planning to solve. Due to the unavailability of Internet, we are not able to test “Sentimental Analysis”

Futuristic view:

The reason why we addressed these problems is to create a strong eco-system in this market. The App should be a one stop destination for buyers to not only fulfill their purchasing requirements but also a retain them through continuous “Targeted” interaction.

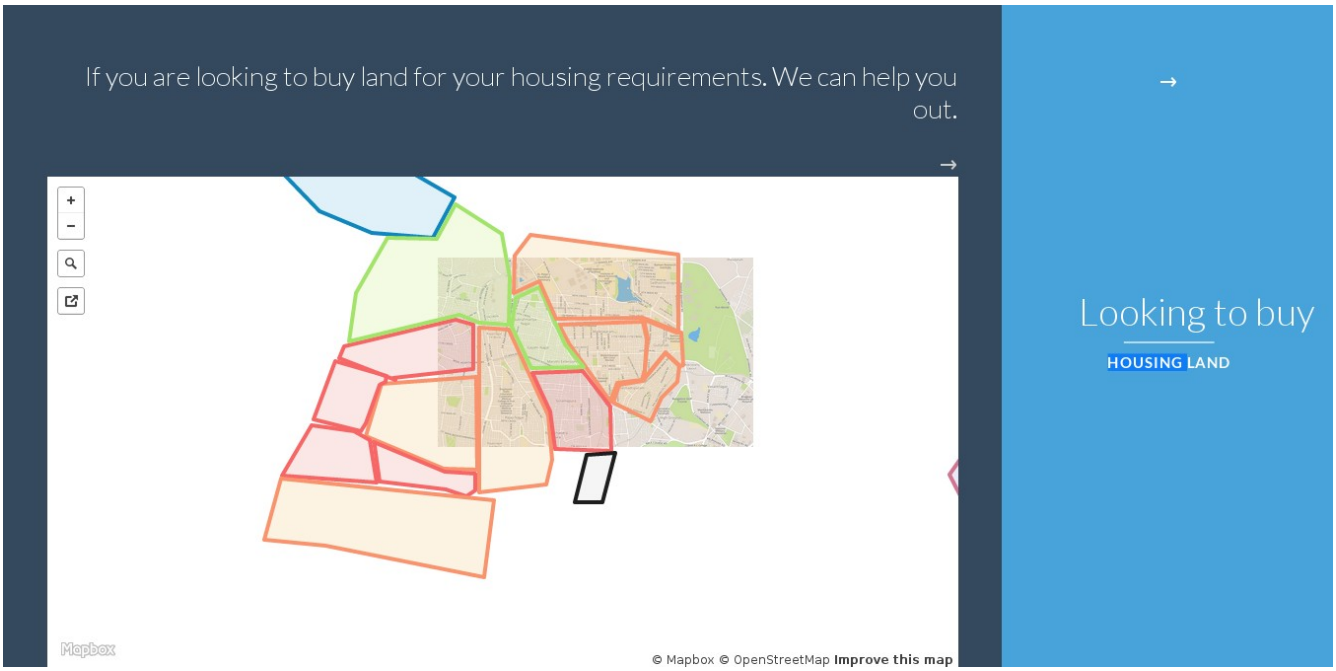
- Implement Street View with sync

Assumptions Made:

-> We have made data assumptions (Property Rate, Soil condition, Appreciation Data, calamities)
-> We have assumed 10 property co-ordinates

Instructions: The Read me is uploaded on Github

UI Mockups



AREA 1

indira

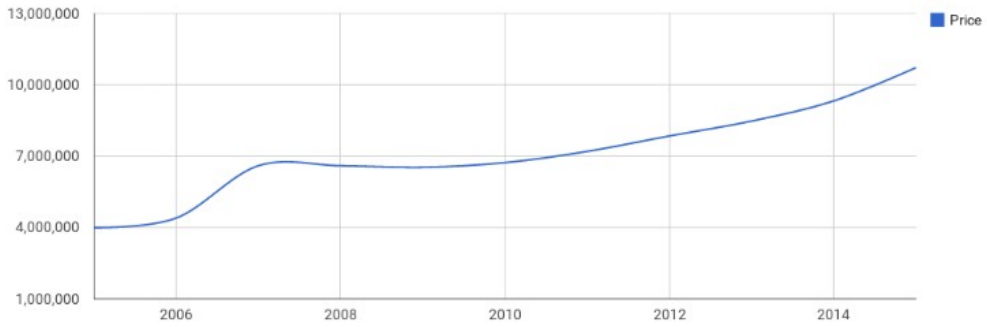
- **Indira** Nagar Chennai, Tamil Nadu, India
- **Indira** Nagar 2nd Stage Bengaluru, Karnataka, India
- **Indira** Garden Chennai, Tamil Nadu, India
- **Indira** Nagar MRTS Station Rajiv Gandhi IT Expressw...
- **Indira** Colony Chennai, Tamil Nadu, India

powered by Google

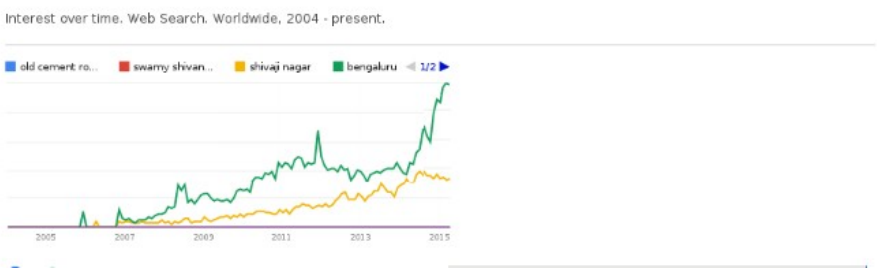
Enter a location

NEXT >>

Appreciation Rate



Trending



Property 2

good soil

Prone to calamities: No

Rated:4 without disputes

The area is well established and hence buying this property would add to the fortune and can be a good deal. Since it has all the amenities around it and all the major schools as well. The soil isgood for construction. water supply is available.