What's for Sale

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MOTIVATION

•Due to the increased use of smart phones, location based services are becoming more popular .

•"What's for Sale" has been inspired from successful neighborhood marketplace apps like EggDrop & YardSale.

•For a faster search a 'one touch' approach & quick registration for searching was required.

•What's for Sale focuses on all these features and intends to provide users the best deals nearby the user locality.

CURRENT RELATED WORK

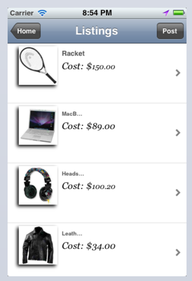
•The main idea for this app was inspired from successful applications like EggDrop and Yard Sale.

•Both apps are available on IOS and android platform.

•EggDrop provides an efficient search for the user, but has limited features for displaying the listings on a Map

•Yard Sale displays accurate location of listings on maps, however , the search functionality is comparatively poor.

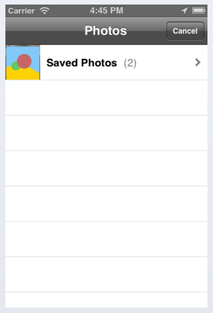
•What's for Sale aims to combine the efficient features of these applications as well as come up with new features of its own.



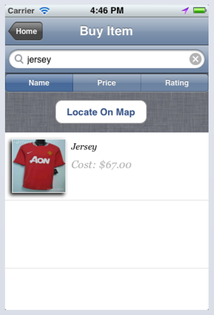
GOALS

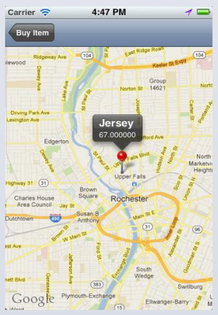
Following are the interim goals of the application:

1. Enable the user to upload the image of the product instantly, post a listing, and modify or delete the listing.

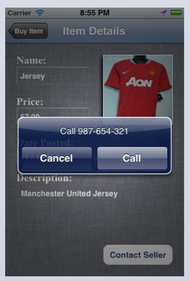


2. Provide an efficient search for searching a product listing based on the name or price and displaying a search item on the map.





3. Provide means for contacting a seller, if a particular user is interested in a product.



DESIGN & IMPLEMENTATION

The application is primarily designed using a Model View Controller pattern.

Instance of the model classes and their attributes are stored/accessed using Singleton pattern.

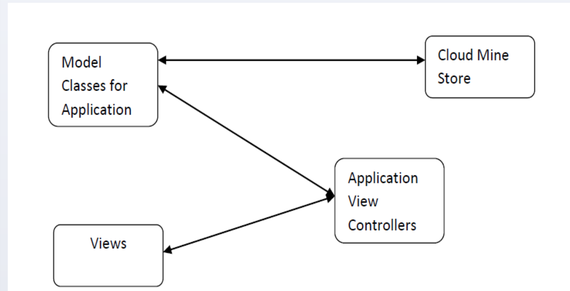
Application comprises of four Modules:

1. User
2. Listing
3. Session

IMPLEMENTATION:

- Milestone 1: Analysis of existing apps
- Milestone 2: Design Overview
- Milestone 3 : Implementation of Core Feature 1:
  Creating a listing and fetching the image from device and posting both to Cloudmine.
- Milestone 4 : Implementation of Core Feature 2 : (Distributed Component)
  Searching user specific listing, fetching it from Cloudmine and dynamically displaying it on Map
- Milestone 5:
  Testing the application, setting default parameters for application if used on simulator, enabling user to contact the seller of a listing, documentation.

ARCHITECTURE



ANALYSIS

•Analysis of API calls on Cloudmine

• Pre-fetching of listings maintains consistency and provide more accurate searches.

FUTURE WORK

• A wish list can be implemented for every user, so that whenever a new listing relating to a wish list is posted, the user is notified.

•The time required for the listings can be improved with initial pre-fetching of the data but at the cost of increased polling with the Cloudmine Server

REFERENCES

• IOS Library :https://developer.apple.com/library/ios/navigation/index.html

•StackOverflow: www.stackoverflow.com

•Poster design template:http://www.posterpresentations.com/html/free_poster_templates.html