RedPins
Requirements and Specification Document
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Project Abstract:

RedPins allows users to find "pins" (or markers) that shows interesting attractions or popular events on a map around their proximity. Other users of RedPins who are familiar with that area can add pins anywhere on a huge map, detailing what attraction is at that location, along with the time and date it is relevant to. Users of all sorts may also share photos to that pin, add comments, other information, etc.

Document Revision History

Rev 1.0 2013-02-13 -initial version

Customer

Our customers will be people who are not necessarily familiar with a certain area and the events that occur in their locality. When people are in a city, they are often unfamiliar with events that happen once a week and may not have formal establishments associated with them. Currently, Yelp solves the problem of finding food for an area by allowing users to search for nearby restaurants with certain criteria. Other than food, other attractions are often missed out on, mainly food stands, food trucks, sceneries, parades, hiking trails, weekend free markets (with closed streets), temporary events (public dances, etc.), etc. RedPins is a solution to bring these attractions that people in an area may often not know about and bring forth attention to things that are often missed upon. Even locals in the area can discover events that they have never heard of before.

Competitive Landscape

Although these are competing services on the market today, rather than directly competing with them, we plan on integrating these services into our app for a better experience.

1. Yelp
    a. Users rate and review local businesses and restaurants
    b. How are we different?
        i. Yelp lists established businesses only, our app is not entirely limited to that. Users can pin any local event and gathering throughout the area as well as established businesses as well.
        ii. Yelp is very location centric rather than event centric. For example, we

can only review a venue for an event on Yelp (such as Oracle Arena) but not the event itself (such as a concert). RedPins will focus more on the events themselves.

    c. How can we work w/ them?
- i. When users review an event happening at a venue. We can let users review the venue and push the review on yelp w/ their yelp account credentials.

2. Facebook
   a. Allows users to create events and invite other Facebook users to join them.
   b. Users can also check into a location with their friends on their Facebook timelines
   c. How are we different?
      - i. Facebook has a way to list places and events you can check into and post about, but is limited in terms locality (location and time).
      - ii. Facebook is primarily used to organize events and to get people to join events.
   d. How can we work w/ them?
      - i. Using the Facebook Login API to handle accounts
      - ii. Find a users friends on RedPins using Facebook
      - iii. Seed user preferences on their likes and dislikes using their Facebook information

3. Foursquare
   a. Users check in at local venues nearby, and check-ins give users points/badges
   b. How are we different?
      - i. Doesn't allow advanced check-in, only at the time.
      - ii. Foursquare doesn't help you find events that are currently going on in the area.
   c. How can we work w/ them?
      - i. Further market research is required.

User Stories

Name	Login with Facebook (need)
Actors	User that wants to have an account w/o wanting to make one w/ email and password combination
Triggers	Click "Login With Facebook"
Events	- Click "Login With Facebook"
Exit Condition	Click the "Login WIth Facebook" button
Post-Conditions	Account is created, gains permissions
Acceptance Test	User gains the privileges of logged in users and is

	directed to their personal page

Name	**Submit Event (need)**
Actors	Logged in user
Triggers	User clicks the "Add Event" button
Events	-User gets redirected to the event planning page -User adds tags to the event, add date, and places the location on the map.
Exit Condition	User clicks submit or cancel
Post-Conditions	User is redirected to the event page he/she just created. All users are able to see this event, the location, and the time it happens.
Acceptance Test	-Posted events will show up in the right location at the right time with the right tags.

Name	**Search (need)**
Actors	Any user regardless of whether logged in or not
Triggers	Click the "Search" button
Events	-Enter in search query - User clicks "Search"
Exit Condition	User clicks "Search"
Post-Conditions	Lists the top results in a scrollable ListView
Acceptance Test	User is able to search and see the top results.

Name	*Rate user events (useful)*
Actors	Logged In Users who want to rate an event
Triggers	User clicks Thumbs up or Thumbs down button
Events	- User clicks Thumbs up or Thumbs down button
Exit Condition	- User clicks Thumbs up or Thumbs down button

Post-Conditions	- Event gains either one like or dislike
Acceptance Test	- Rating appears the page of the event

Name	*Bookmark an event (useful)*
Actors	Logged In User
Triggers	- User clicks "Bookmark" button
Events	- User sees event in the ListView when they submit a search query or accesses the event page. - User Clicks Bookmark icon - User can see this event in the bookmarked list when "bookmark" tab is clicked
Exit Condition	- User clicks "Bookmark" button
Post-Conditions	- User has bookmarked event added to his/her list of bookmarks
Acceptance Test	- Bookmark appears in users list of bookmarks

Name	*Adding comments to an event (useful)*
Actors	Logged in user
Triggers	User A is on an event page and wants to leave a comment for the event
Events	User A writes comment into a text box and clicks "Add Comment" button
Exit Condition	The add comment button is clicked
Post-Conditions	A comment is left on the list of comments for a page
Acceptance Test	The comment is made, and other users will also be able to see the newly posted comment

Name	**Delete Event (Need)**
Actors	User who created the event initially
Triggers	User goes to event that he created and clicks delete.

Events	-Delete button is clicked. -Confirmation page pops up
Exit Condition	User confirms that he wants to delete the event
Post-Conditions	Event is deleted
Acceptance Test	Event disappears from the list of all events.

| Name	*Switch From ListView to MapView and vice versa (useful)*
Actors	Any user, regardless of being logged in or not, who have submitted a search query
Triggers	User clicks on "Map" or "List" Button, depending on what mode they are in.
Events	`- User submits search query - User clicks on "Map" or "List" Button
Exit Condition	- User clicks on "Map" or "List" Button
Post-Conditions	- The view changes from a list of events to a map with pins on it and vice versa.
Acceptance Test	- The view changes with the current

| Name	*Search nearby (useful)*
Actors	Any user regardless of whether logged in or not
Triggers	Click "Nearby" button
Events	-User clicks "Nearby" button -Collects GPS information of phone and finds pins nearby
Exit Condition	- User clicks "Nearby" button
Post-Conditions	- User gets redirected to a ListView of nearby events
Acceptance Test	User is able to search and the correct results (events that are close to the user) are returned.

Future Planned User Stories

- Account creation system. Users would be able to create their own accounts and subscribe to other users.
- Recommendation algorithms that will be based off user preferences built from Facebook integration (User's "likes")
- User should be able to filter events while searching for them according to specific conditions (e.g. search for events that are only 21+)
- Karma system for users who constantly pin good, attractive events, or flag spam/repeat events, or leave helpful comments/advice for events.
- Complete Yelp integration, users will be able to review venues that pinned events are held at.
- More integration with maps (providing directions to events/venues).

User Interface Requirements
- 1st iteration: Home page, search events (list view and map view), adding events page, and event pages (as shown below)
- Later iterations: User profile pages, searching for users & friending, showing existing Facebook friends already added.
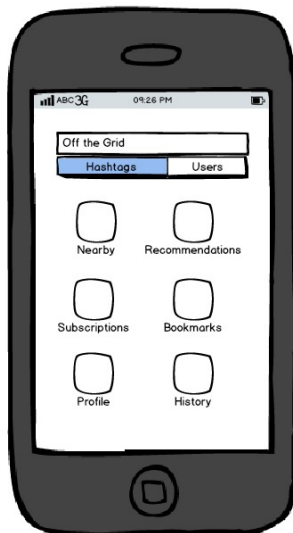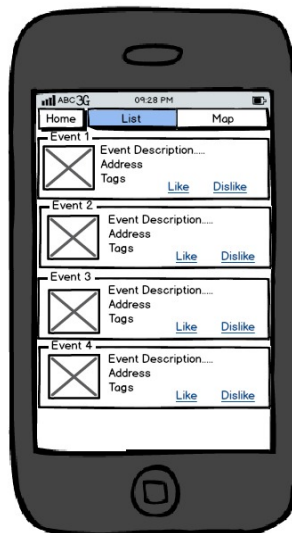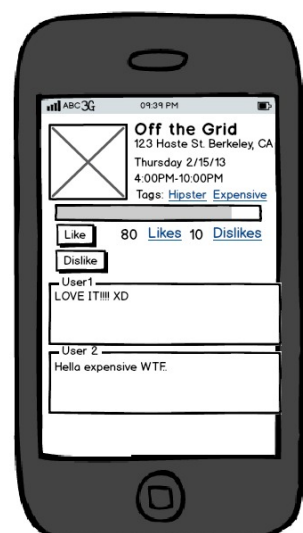

| Home page | Event List View | Events Map View | Event Page |