PROJECT PROPOSAL

- *NANDINI MALLIPATNA*

SOCIAL CAMPERS APPLICATION

- **Concept Summary**

    Social Campers application is designed to provide information about parks where there are camping facilities available. It has interfaces, which provides a list of parks. The list has two divisions. One being the complete list from the datastore and the other customized based on user's likes. A user can look up the details of the park and email it to a friend, as the list has links to parks information. This page also allows a user to refine list based on search-list. Users can view park's information and also select a campground to view campground's information.

    Social Campers also has a review page in which a user can write a review and rate a campsite. In the review page a user can review a campsite in a specific park and rate it. This review will be processed and added to the campground information page. It will affect the review ratings and review text. This can be shared as a post on their timeline.

- **Audience**

    People belonging to any age group, gender etc., interested in camping.

- **Interface Mockups**
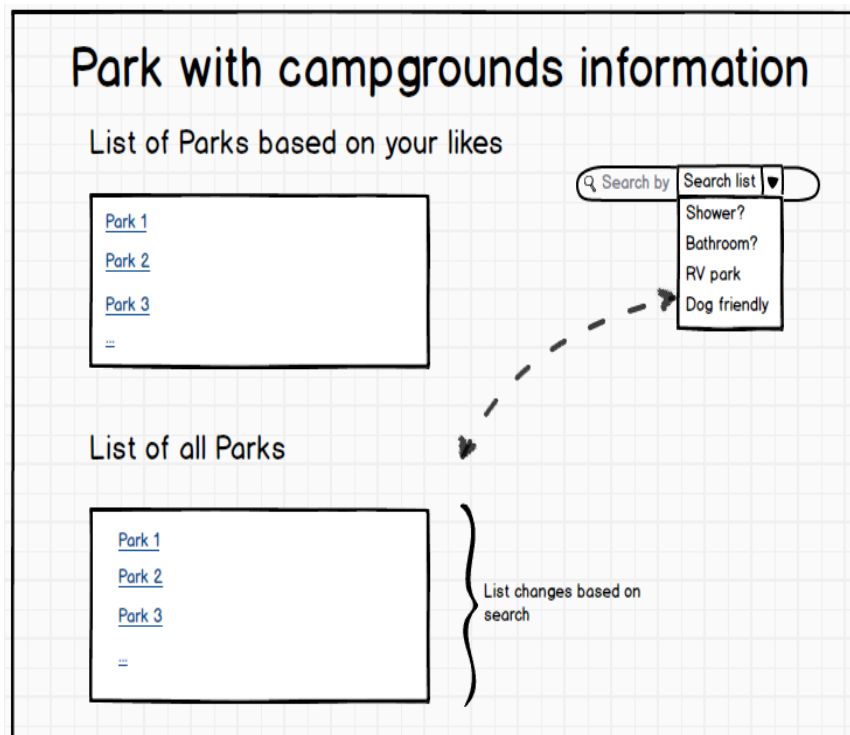
Park Information

Name of the Park and Location   Display name and location

Best time to visit   Display month or season

Things to Do

Display things to do
1.
2.
3.

Campground

Campground1
Campground2
Campground3
...

Images   Images   Images

Recommend it to a friend

Campground Information

Name of the Park and Location   Display name and location

Name of the campground   Campground Name

Best time to visit   Display month or season

Review of the campground   Information about campground and campsites

Parking   RV/ Car/ No(Backcountry)

Dog friendly?   Yes/No

Bathrooms   Flush / Pit

Shower   Yes / No

Rating   Stars on 5

Write a review   Recommend it to a friend

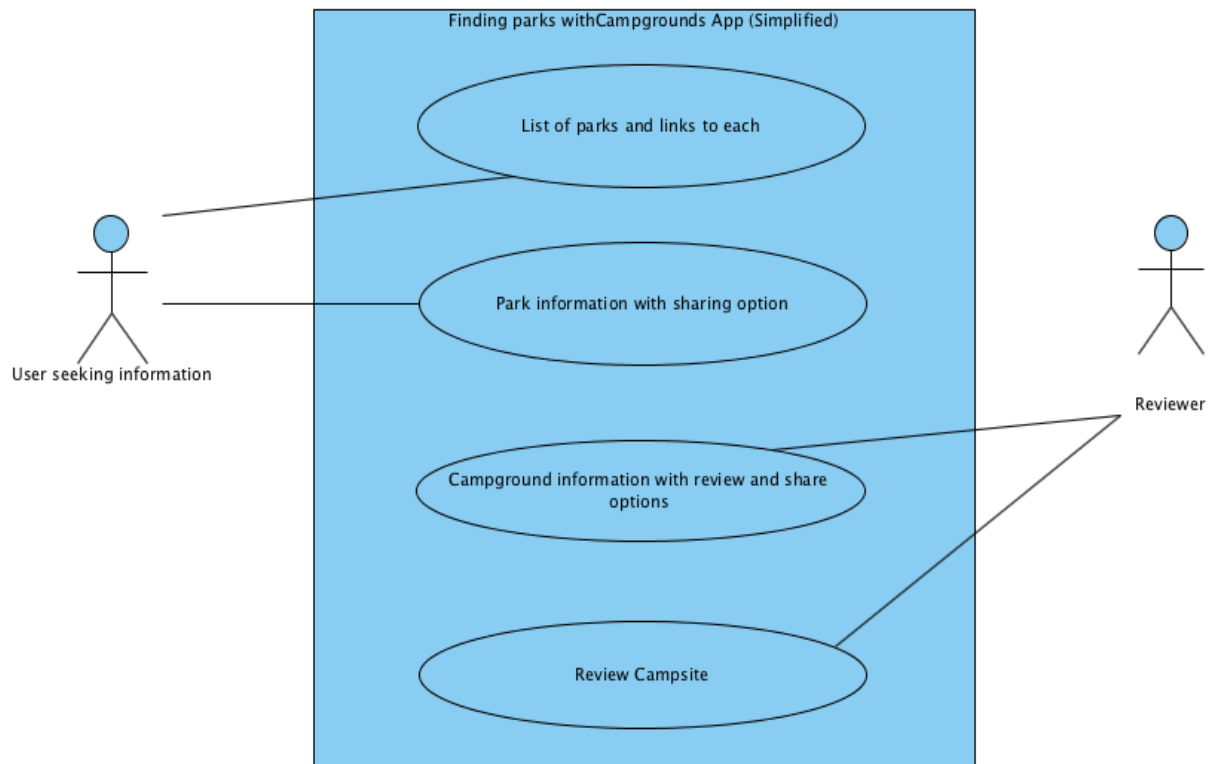Select one from   Friends list ▼

Email to a friend

Campsite Review page

Name of the park and location — Write the park name and location

Review — Write a review text

Campsite — Campsite number and Campground name

Camped on — / /

Rating — Stars on 5

Parking — ○ Car   ○ Car/RV   ○ RV   ○ No (Back country)

Bathrooms — ☐ Pit   ☐ Flush

Shower — ○ Yes   ○ No

Dog friendly? — ○ Yes   ○ No

Post it on timeline   Submit review (to the app)

Timeline

Nandini Mallipatna is camping at campsite 12 of Avalanche Creek campground,
Glacier National Park. Posted on 12-Feb-2015 at 8:44am.

Like   Comment

:)

- **Use Case**

Finding parks withCampgrounds App (Simplified)

List of parks and links to each

Park information with sharing option

Campground information with review and share options

Review Campsite

User seeking information

Reviewer

- **References**
  - http://www.nps.gov/index.htm
  - http://www.gocampingamerica.com/

- **Social Data**
  - User's name
  - List of user's friends
  - Email
  - User's likes

- **Social Channel**
  - Post on user's timeline
  - Send email to friend

- **GAE Datastore Design**
  - Kind: Park
  - Entity1: Park
    - Park_name: String (Keyname)
    - Location: String
    - Best_time_to_visit: String
    - Things_to_do: String
    - Campgrounds: String
    - Images: Images
  - Entity2: Campgrounds
    - Park_name: String (Keyname)
    - Location: String
    - Campground_name: String
    - Best_time_to_visit: String
    - Review: String
    - Parking: String set [RV/Car/RV_Car/No]
    - Dog friendly: Boolean
    - Bathrooms: String set [Flush/Pit]
    - Shower: Boolean
    - Rating: Number (1-5)
  - Entity3: Campsite_review
    - Park_name: String (Keyname)
    - Review: String
    - Camp_name_number: String
    - Camp_date: Date
    - Ratings: Number (1-5) set
    - Parking: String set [RV/Car/RV_Car/No]
    - Dog friendly: Boolean
    - Bathrooms: String set [Flush/Pit]
    - Shower: Boolean

- **GAE Datastore Usage**
  - Data in Entity1 (Park) will be used to populate the 'Park with campgrounds information' page. The Park_name property will be retrieved to populate the 'Park lists' page.

- o Entity2 (Campgrounds) will be used to display data in the 'Campground information' page. The data from Entity3 will be filtered and stored in Entity2.
- o Entity3 (Campsite_review) will store the data entered by the user 'Campsite_review' page.

- **Java Code**
  - o DataAccessPermission – Ask permission from user to access social data like name, email, likes, friends list.
  - o DisplayList – If user likes has any parks then, print recommended list from Park entity. Also print parks list of all parks from Park entity. Allows a search from pre-defined list and the parks list will be reloaded.
  - o DisplayParkInfo – This displays information of park queried from Park entity using the keyname Park_name.
  - o CampgroundInfo – This will display information of campgrounds selected from the 'Park information' page. This displays all the properties in Entity2.
  - o ReviewCampsite – Lets user enter information and store them in the Campsite_Review entity. This filters data and stores them in Campgrounds entity also.
  - o PostOnTimeline – Retrieves properties like Park_name, Camp_name_number and Camp_date from Campsite_Review entity. Displays them on user's timeline along with Username from DataAccessPermission and current date and time.
  - o RecommendFriend – This will allow user to send DisplayParkInfo as an email to a friend selected from the friends list.

  I may have to include more classes based on requirements, when I start developing the application.