High-level Functional Requirements

1. User login/register
   * User is able to create a username/password. The username will be unique, and the information that will be stored for the user will be the following: Name, e-mail address, username, and password.
2. User submit new items.
   * Users are able to submit new items that currently do not exists. This way the content of the site will be community based.
3. Read comments and information on items.
   * Users can read the comments that other users have left on each item, as well as the default description, location, and other information about the item.
4. Comment/Rate on existing items, and comments.
   * Users can leave their own comments, and rate items. They can also comment on other user’s comments. You can reply to an original comment, but not to a reply to an original comment.
5. Submit pictures, and videos for items.
   * Users can submit different media on an item. Like pictures and videos of the item.
6. Search items.
   * Users can search for items based on its name, or keywords.
7. Delete comment made by user.
   * A user can delete their own comment.
8. Recommendations
   * Based on keywords of the current item the user is looking at, we can create recommendations.
9. Filter based on ratings
   * Allow users to filter search results based on ratings.
10. Search list sort options
    * When users make a search, the list of results can be sorted based on ratings.
11. Notify user if someone leaves a comment under their comment via e-mail.
    * When a user replies to another user’s comment, it will notify the user of the reply.
12. Shows approximate costs of attractions
    * If the item has a cost to it, we will show a range or approximation of the last known price.

Non-functional Requirements

1. Hash/Salt user passwords
2. Use sessions to remember users
3. Search takes less than 10 seconds
4. Implementation: Top-down design
5. Site works on Google Chrome, and Safari
6. No training time needed

System Development Infrastructure

* PHP
* CSS
* Bootstrap
* GitHub
* Someone.io
* JavaScript
* MySQL
* Google Maps API