Group 2

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Link to requirements: <https://github.com/algore7/COSC412Proj/blob/master/requirements%20draft.pdf>

Git-Hub repo link: <https://github.com/algore7/COSC412Proj>

Functional Requirements

1. A single, centralized website for all national and state parks featuring background info, pictures, videos, etc.
   1. The homepage will allow users to narrow their park search by state and or city. Once searched, the user will be able to choose from a location-specific group of parks.
   2. Header bar on the top of the home page that allows for users to jump to different web information pages (About, Donate, Sign In, My Account)
2. Support donations & online ticketing.
   1. The homepage will allow users to donate a national-park support fund, with a message about where they would like their money to be allocated.
   2. The homepage will allow users to purchase tickets to specific parks, reserving them entrance and parking.
3. Integrate with popular social media platforms.
   1. The homepage will allow users to access national park social media by the click of an icon.
   2. The homepage will also prompt users to use a national parks hashtag to possibly be featured on the main national parks instagram page.
4. Provide some type of interactive “gaming” experience that appeals to teen/young adults which allows users to track parks visited.
   1. The homepage will have a link to an interactive gaming experience that allows users to input parks they visited, donations, and social media accomplishments to achieve points. A leaderboard will be displayed on the homepage with the highest nationals scores.
   2. The gaming page will also have a trivia game that allows users to accumulate more points.

Non-Functional Requirements

1. A single, centralized website for all national and state parks featuring background info, pictures, videos, etc.
   1. Hosted on a cloud based web server
   2. Display high quality photos quickly
2. Support donations & online ticketing.
   1. The donations will only accept Visa, MasterCard, American Express, Discover cards, no paypal.
   2. Implement encryption (HTTPS) to protect the user’s information when donating to the website

3. Integrate with popular social media platforms

1. Code in the open source widgets from social media companies (facebook, twitter) that allow for logging in and sharing to the companies platforms.

4. Provide some type of interactive “gaming” experience that appeals to teen/young adults which allows users to track parks visited.

1. Trivia Game : Allow user input of answers to questions (multiple choice) and store their score in the user account info.
2. Store arraylist of answers and questions in website database.

**User Roles:**

User persona: Gamer

Logs onto the website and clicks the link to play a trivia game. Plays the game to completion and receives a score attributed to their account. User then clicks onto their account information and checks to see their high score.

User persona: Administrator / Editor

This is the developers of the site, including all people in our group.

User persona: Donator

The donator is a visitor who is interested in donating to the National Parks Service. They will interact with a paypal widget located just off the main page. They have no editing or admin privileges over the site.

User persona: Viewer

The viewer comes to the website to receive information about a specific park. They browse a few parks in their area by searching from the search bar and then choses a park to visit. They click on the maps link to find the location.