

Group 2

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Functional Requirements

1. A single, centralized website for all national and state parks featuring background info, pictures, videos, etc.
 - a. 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.
 - b. 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.
 - a. 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.
 - b. The homepage will allow users to purchase tickets to specific parks, reserving them entrance and parking.
3. Integrate with popular social media platforms.
 - a. The homepage will allow users to access national park social media by the click of an icon.
 - b. 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.
 - a. 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.
 - b. 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.
 - a. Hosted on a cloud based web server
 - b. Display high quality photos quickly
2. Support donations & online ticketing.
 - a. The donations will only accept Visa, MasterCard, American Express, Discover cards, no paypal.
 - b. Implement encryption (HTTPS) to protect the user's information when donating to the website
3. Integrate with popular social media platforms
 - a. 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.
 - a. Trivia Game : Allow user input of answers to questions (multiple choice) and store their score in the user account info.
 - b. Store arraylist of answers and questions in website database.

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