



Web App Design with React Final Project

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

1. Using an online API of your choice (or if no API can be found, using an array for in-memory storage is okay as well), create a React project of your choice. You will be working on this for the next three weeks.
2. Project must meet the following criteria:
 - a. Use React Router and have at least 3 pages
 - b. Use React Bootstrap or an alternative styling library



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- c. Contain at least 10 components
- d. Allow for all CRUD operations

Screenshots of Code: Screenshots of Running Application:

The image displays a collage of screenshots illustrating a React-based web application. On the left, a screenshot of the application's landing page shows a banner for 'Welcome to the Natural State' and a section for 'Give us your activity idea!'. Below this is a code editor showing the `App.js` file, which contains the main application logic. To the right of the landing page is a screenshot of a specific component titled 'Famous Hikes in Arkansas', displaying three cards with information about 'Lost Valley', 'Indian Rock House', and 'Hawkins Crags'. Further right is another component titled 'Here are some of the most visited cities in Arkansas', showing cards for 'Bentonville', 'Ponca City', and 'Payneville'. The bottom half of the collage shows the source code for these components in separate code editors. The code includes components like `Home`, `Hikes`, `CardsComponent`, and `TableComponent`, along with their corresponding CSS styles.

URL to GitHub Repository: <https://github.com/hannah1comb/finalProject>