

Flash Card App to Study Concepts

Learning objective: Use React.js, Axios, and CSS to build a flash card app that will help students study words and definitions of various technologies.

Technologies: React.js, HTML, CSS, Create React App, Axios

Starter Code: <https://github.com/DevCodeCampInstructor/FlashCardAPI>

Estimated Time to Completion: 5 days

Total project points: /80

Total weighted points to final grade: /60

Features:

(5 points) As a developer, I want to make good, consistent commits.

(5 points): As a web designer, I want to create a wireframe for my application

(5 points) As a developer, I want to create a React app using 'Create React App'.

(5 points) As a developer, I want to use React.js best practices, which consists of creating class components and function components when appropriate, and properly passing state around as props.

(10 points) As a developer, I want to use CSS appropriately to make an aesthetically pleasing application.

(5 points) As a developer, I want to set up my MongoDB Atlas cluster so that I have a place to store and access data.

(10 points) As a developer, I want to use Axios to make GET and POST requests to a MongoDB database to pull in and create words and definitions in my application.

(10 points) As a user, I want a way to see each available collection of flash cards with its title, so that I can easily distinguish the collection of flash cards.

(5 points) As a user, I want to select a collection to put in use, with the "active" collection being visibly different than the other collections.

(10 points) As a user, I want to create a flash card in a collection and save to the MongoDB, so that I have a way to see the word and definition.

(5 points) As a user, I want a way to go to the next card in the collection or a previous card in the collection.

(5 points) As a user, I want to see a count of how many total cards are in a collection as well as what number card is currently active in the collection.

Bonus Features:

As a user, I want there to be an animated transition from word to definition and vice versa when I click on a flash card.

As a user, I want to create a collection of flash cards, so that I have a container to store my newly created flash cards.

As a user, I want to give a collection of flash cards a title, so that I have a way to differentiate each collection of flash cards.

As a user, I want to edit and delete a flash card in a collection, so that I can modify and delete flash cards.