

Group Project



Objectives

- Identifying a real case problem that may need to be scaled and React can be used.
- Learning how React can help in the development life cycle.
- Creating, and implementing a front end UI with React.
- Create and implementing a cloud based database.
- Creating and implementing a cloud server to run the backend application.
- To learn development of a cloud based API, and doing CRUD.

Project Description

The group as a whole shall investigate and identify an interesting case for web development using React Library. This project is multi step and you receive more points as you complete more steps. This is YOUR project and you are NOT ALLOWED to copy either the web pages or react apps from other resources.

Project Requirements

You are required to create a Single Page Application in React. The page could be an e-commerce page, a collection of objects, or anything that may need scaling.

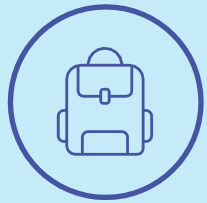
The project must be full stack with both front and back end as well as a database.

You must prepare to deliver a presentation in the last class.



Grading
Total Project is 20% marks

Due Day for the Group Project is the Last Class.



Interim Presentation, including idea, plans, architecture, and component maps (3 marks)

Create a basic React App of the page. (1 mark)

Structural map of your components. (1 mark)

Single Page Application with buttons and tabs to render or hide some component (1 marks)

Create your own API and create some contents from it. Your API can be a simple database of images or quotes, but large enough so to generate some content. (3 mark, 1 mark if public API)

You add a search form and button for your own API that picks images or cards based on a keyword. (2 mark)

You deploy your page into a remote server and provide URL (the actual code or Github repo has to be provided too). (2 mark)

Add some creativity (e.g., adding star rating, session memory, progress bar, etc.). (4x1 mark)

You provide a Summary section at the end of the project log to highlight any features/tools, public API, and structure of your own API that have been applied in the project. (1 mark)

A short video of your app in actions. (1 mark)

Top 3 (bonus 2 marks)

GRADING

NOTES