**CPAN 144**

**Group Project**

# Project – Requirements:

This is an open-concept project in which you are going to design a web application using React which consists of the following features:

1. Your web application should utilize JSON data extracted from a Web API
   1. Pick any APIs from here: <https://any-api.com/>
   2. OR here: <https://developer.edamam.com/>
   3. OR here: https://rapidapi.com/collection/list-of-free-apis

*Note: Please do not use the APIs that we have used in previous assignments/activities*

1. Your web application should perform some processing on the received data and display the result
2. Your web application should perform some interaction with the user (events/event handlers)
3. Incorporate Components based approach into your design
4. Your web application should incorporate/handle AJAX OR FETCH call
5. Use your creativity in designing UI (page layout), using FORMs, utilizing CSS
   1. Use bootstrap
6. Use best practices in coding, development, error handling
7. It Would be great if the project could be uploaded to some free web host such as Vercel.

# Project – Proposal:

A proposal which consists of the scope of the project, the list of functionalities, and some simple Wireframing. This should be a maximum of 2 pages and is submitted by one member on behalf of the team. This is due on Week 12.

## Proposal: Submission:

Submit the project proposal in the “Project Proposal” submission box.

# Project – Phase 1 (20%):

The outcome of this part is to Create the basic layout and project skeletons of your React application. This is a basic structure and does not include a fully working application. Many components in this stage may still be under development, but the UI is taking shape, and a few are working.

## Phase1: Submission:

Submit the project files to the “Project Phase 1” submission box.

# Project - Phase 2 (70%):

As per the discussion in the class and the given design checklist, you have one week to build the project and submit it by week-14.

## Submission:

You need to submit the followings:

1. Submit all project files
2. Complete the *Task Distribution Sheet*. The purpose of this documentation is to demonstrate the contribution of each group member to the project.

# Project - Presentation (10%):

You need to present the project in the week-14 class during the lecture time.

# Rubrics

The project has 20% of the total, which the mark is divided as follows:

* **Documentation 🡪2% (Do not forget the documentation!)**
* UI design 🡪2%
* Interacting with API through AJAX call 🡪 3%
* Creativity 🡪1%
* React coding (proceed with hook approach in developing Components, use your creativity in designing the layout, using Forms + apply validation and Error Handling, utilizing Routing, Deployment/upload) 🡪 10%
* Presentation: All members of the group must be present during the presentation time 🡪 2%

***Note: the project mark is divided into Phase1(20%), Phase2(70%) and Presentation (10%)***