COMSATS University Islamabad, Lahore Campus
Department of Electrical and Computer Engineering

Assignment 4 – FALL 2024

Course Title:	Web Technologies		Course Code:	CSC336	Credit Hours:	3(2,1)
Instructor:	Muhammad Babar Ali		Office (email):	B-4 (babarali@cuilahore.edu.pk)		
Batch-Section:	FA22-A/B	Semester: 5	Program Name:	BS (Computer Engineering)		
Chapters/ Topics:	Ajax, HTTP, Fetch API, Backend		**Max. Marks:**	**15**	**Due Date:**	
Student's Name:			Reg. No.			

Important Instructions / Guidelines:

- Plagiarism of work from any source will be penalized and may result in zero out of 15 marks this assessment.

Question :   [CLO2, PLO3 – Synthesis]   (Marks 15)

Download the Frontend of the Shopping List application, available on the following link:

https://github.com/mbabarali/FA24-vanillaJS-ShoppingListsApp

Use JSON-Server (as discussed in lectures and lab) as a Backend.

Design the basic format for the database and integrate Backend (json-server) with the Frontend (Shopping List application).

Submission in due manner:
- Submit your work in a single compressed file (.zip or .rar) via an online portal. Do not submit via email. The zip file must include:
  - Frontend application which uses Fetch API (or Axios API) to interact with backend json-server
  - The proposed database file with at least 2 shopping items, to represent the format.
- DONOT INCLUDE node_modules FOLDER in the compressed file. Delete it before compressing the React application.
- Submit compressed file must follow the naming pattern in practice, as given below:
  - The name of the compressed file must follow the pattern: *<BATCH-PROGRAM-ID>_<Task#>* with your details in the placeholders.
    - For example, a student with *Registration ID* of FA22-BCE-001 will upload single file with name FA22-BCE-001_Assignment2

Helping Material:

Json-server: https://github.com/typicode/json-server/tree/v0

Fetch API: https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API/Using_Fetch

Axios API: https://axios-http.com/docs/api_intro

HTTP: https://developer.mozilla.org/en-US/docs/Web/HTTP

Good Luck ☺