DOM Manipulation in JavaScript - Assessment

Introduction

This week you will work on a project where you will create **a Portfolio Website**. The Portfolio Website will be created using HTML, CSS and JavaScript. The concepts of DOM manipulations will be used in this. The details of the project are as follows:

- The website contains a single page.
- The webpage has three sections:
    - **About Me**: Here the website owners will mention information about themselves.
    - **Enter New Project Details**: Here they can enter details about the new project they want to add to their portfolio. Once they click on the save button, the project will be added to the existing projects on the webpage.
    - **My Projects**: Here they can display their projects with details like project title, description and image.
- You will find the following files in the folder:
    - **index.html**: This file contains the html for the web page.
    - **styles.css**: This file contains the styling for index.html.
    - **projects.js**: This file contains an array of **projects**. The array consists of a collection of objects. Each object consists of details regarding a project such as title, description and image.
    - **script.js**: In this file, you have to add code to complete the tasks which are mentioned in the Problem Statement.

Housekeeping points

● This is a minimal example and may not follow some standard practices.
● We focus on the main flow, and not much error handling.

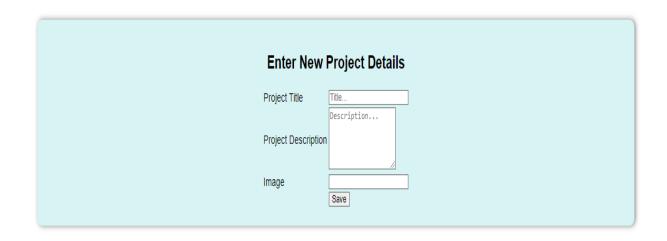## Problem Statement

Your task is as follows:

1. **Load Projects (script.js file):**
    - Add a functionality in the **loadProjects()** function to retrieve all the project objects from **projects** array (defined in the **projects.js** file) and create individual cards displaying the information as below:

My Projects

ToDo List App	Calculator App	Weather App	Timer App	Chat Application
This project is about a simple ToDo App.	This project is about a Calculator App.	This project is about a Weather App.	This project is about a Timer App	This project is about a simple Chat Application.

- The CSS is already provided for the DOM elements in styles.css file. Kindly use the CSS selectors given in the index.html file.
- For creating individual project cards, you will have to iterate over the projects array. For this, you can use the **Array.length** property.

2. **Save New Project (script.js file):**
   - Add a functionality in the **saveNewProject()** function to fetch the details of the new project from the form (used for entering the details of the new project) using DOM manipulation.
   - Create a new project object using the details fetched.
   - Add the new project to the **projects** array using the **Array.push()** method.
   - It should also clear the form for the next submission once the information is saved and the list of projects is updated with the new project details. (Already implemented in the function)
   - The section of the webpage where new project details can be entered appears as shown below:

Enter New Project Details

Project Title   Title...

Project Description   Description...

Image

Save

Program Organization

- You will be getting a zip folder containing a folder named **DOM Manipulation in JavaScript Assessment_For Noncoders.**
- The **DOM Manipulation in JavaScript Assessment_For Noncoders** folder has a file named **index.html,** a folder having **styles.css** and a folder having **projects.js** and **script.js** files.
- You are required to add functionalities to complete the tasks (stated above in the problem statement) in **script.js** file.

Evaluation Rubric

Total Project Points: 60

- Correctness:
  Correctness of implementation
  - Problem statement - point 1 **(50%)**   : **30 Points**
  - Problem statement - point 2 **(50%)**   : **30 Points**

Program Instructions

- The **DOM Manipulation in JavaScript Assessment_For Noncoders** folder should have a file named **index.html,** a folder having **styles.css** and a folder having **projects.js** and **script.js** files.
- The **DOM Manipulation in JavaScript Assessment_For Noncoders** folder should be compressed as zip/rar.
- Project will not be evaluated if the submitted project is not in the zip/rar format.