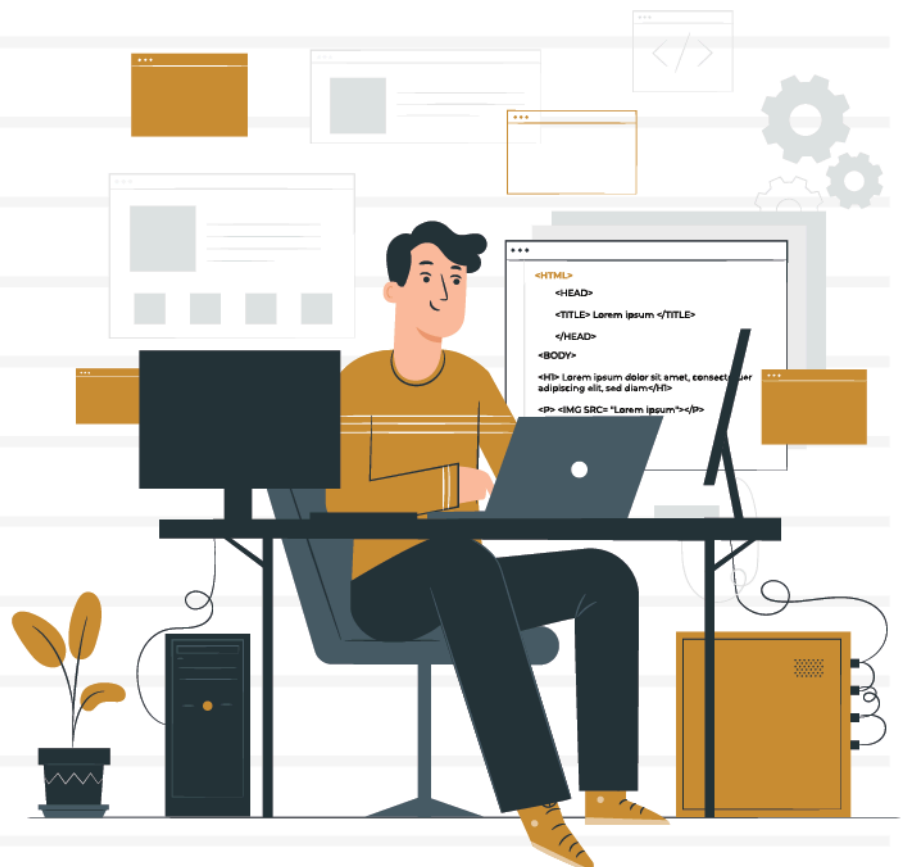




Milestone 1: Functional Prototype

Travel Buddy App Project



Project Topic

Functional Prototype: **Travel Buddy App**

What is Project:

- The project is an opportunity for students to explore an interesting problem or a part of the problem of their choice in a real-world context and within the scope of a specific course they are learning.
- In the project, students would - explore the problem in detail, gather information and explain the same, seek challenges if any after investigation, use methods to solve the problem, and make inferences and recommendations that can be implemented.
- The project can be descriptive of existing systems/ prevailing conditions of the topic under research. In an exploratory study, students can explore the area of study, introduce new augments to the existing system, and draw inferences and projections.

Objectives of the Project:

- Gain insight into the HTTP protocol and the interaction between clients and servers
- Create a student registration form using HTML
- Apply color and text styling using CSS

In this capstone project, students will demonstrate mastery of the following course learning outcomes:

[CLO1]: Understand the fundamental concepts of client-server communication to lay the groundwork for developing a web-based application.

[CLO2]: Develop a basic understanding of HTML structure and form elements, crucial for building user input interfaces.

[CLO3]: Learn how to enhance the visual appeal of web pages using CSS for better user engagement and experience.

Problem Statement

Develop a streamlined registration form with HTML, CSS, and basic JavaScript validation to improve user experience and grasp HTTP protocol fundamentals.

We will have the first specification similar to this for our project.

PROJECT: Milestone	
Course components	Milestones to be completed by students
1st Milestone	
HTTP Protocol and Client-Server Interaction	<ul style="list-style-type: none">• Successfully send a GET request to a dummy server• Display the response in the browser console.
HTML Form Creation	<ul style="list-style-type: none">• Create a registration form with at least three input fields (e.g., name, email, password)• Style the form using CSS
JavaScript Fundamentals	<ul style="list-style-type: none">• Implement basic form validation using JavaScript• Ensure all fields are filled before submission.

Deliverables

Milestone	Deliverable	Grading
One	<ul style="list-style-type: none">• Basic registration form HTML file with CSS styling.• JavaScript file for form validation.• Documentation outlining HTTP protocol basics and client-server interaction.	Graded separately; Milestone One Rubric 20%