

## **Assignment – 1**

### **Summary:**

In today's half-hour class, we covered key concepts in web development with real-life examples. We explored the distinctions between frontend, backend, API, and database using the analogy of a restaurant setup. The client-server flow architecture was explained, illustrating how information travels between the user's device (client) and the processing server.

To simplify HTML, CSS, and JS, we used a car analogy. HTML was likened to the car's structure, CSS to its paint job, and JS to the dynamic engine. We then discussed the differences between CSS, providing granular control, and Bootstrap, a framework offering pre-designed components for efficiency.

The class also introduced essential tools: Agile for project management, Jira for work allocation and tracking, and GitHub for collaborative version control. In this brief session, students gained insights into foundational web development concepts and tools for effective project execution.