

Practice Questions Lecture 5: Input / Output Design

1. Introduction to I/O Design

- a) Define Input/Output (I/O) design and its significance in web application development.
- b) Provide examples from the Hostel Booking System project to illustrate how effective I/O design contributes to user satisfaction.

2. Translating User Requirements into I/O Design

- a) Choose a specific user requirement for the Hostel Booking System (e.g., booking confirmation). Outline the steps involved in translating this requirement into a well-defined I/O design.
- b) Discuss the challenges and considerations in aligning I/O design with diverse user requirements.

3. I/O Design Principles

- a) Enumerate and explain three key I/O design principles applicable to the Hostel Booking System.
- b) Provide code snippets or wireframes to demonstrate how these principles were implemented in the system.

4. Implementing I/O Using React

- a) Write a React component code snippet for handling user input in the Hostel Booking System (e.g., a form for booking details).
- b) Explain how React's virtual DOM and re-rendering optimisations contribute to efficient I/O updates in the application.