

i. Combined study guide :-

The screenshot shows the Studio interface with a combined study guide. The left panel displays sources and search filters. The central panel shows a study guide titled "Study Guide: Web Development Fundamentals & Browser Configuration". The right panel contains a sidebar with various creation tools like Audio Overview, Video Overview, Mind Map, Reports, Flashcards, Quiz, Infographic, and Slide Deck.

Study Guide: Web Development Fundamentals & Browser Configuration

This study guide integrates core concepts of web development from university lab records with technical browser management instructions. It focuses on the foundational building blocks of the web—**HTML and JavaScript**—and how to ensure your environment is correctly configured to use them.

1. Core Web Development: HTML Structure and Elements

As part of the “Web Development Fundamental: HTML, CSS & JavaScript” curriculum at Rungta International Skill University, students learn to construct the skeletal structure of webpages 1.

A. Essential Document Structure

Every standard HTML5 document should follow a specific hierarchy to be rendered correctly by browsers:

- `<!DOCTYPE html>`: Declares the document type 1.
- `<html>`: The root element that wraps all content 2.

ii.

The screenshot shows the Studio interface with flashcards. The left panel displays sources and search filters. The central panel shows flashcards designed for quick revision based on the sources provided. The right panel contains a sidebar with various creation tools like Audio Overview, Video Overview, Mind Map, Reports, Flashcards, Quiz, Infographic, and Slide Deck.

Generate flashcards for quick revision.

Here are flashcards designed for quick revision based on the sources provided.

HTML Fundamentals Flashcards

Front: What is the basic document structure of an HTML5 page?
Back:

- `<!DOCTYPE html>`: Declaration.
- `<html>`: Root element.
- `<head>`: Contains metadata like `<title>`.
- `<body>`: Contains the visible content of the page 1.

Front: Which HTML attribute is used to provide an alternative text description for an image?
Back: The `alt` attribute, found within the `` tag 1.

Front: How do you create an **unordered** vs. an **ordered** list in HTML?
Back:

- **Unordered:** Use the `` tag with `` for list items (results in bullets).
- **Ordered:** Use the `` tag with `` for list items (results in numbers) 1.

iii. Concept map / explanation

The screenshot shows a digital workspace interface with three main sections: Sources, Chat, and Studio.

Sources: A sidebar on the left containing a search bar, a "Try Deep Research" button, and a "Search the web for new sources" input field. It also includes checkboxes for "Select all sources", "Enable JavaScript to use search", and a file named "index.pdf".

Chat: The central section, titled "Create a concept map or explain the topic clearly.", contains a message: "The following concept map and explanation summarize the core components of **Web Development Fundamentals** and the necessary **Browser Configuration** to support them, based on the provided sources." Below this, a "Concept Map: Web Development & Browser Functionality" is listed, followed by a detailed list of components and their descriptions.

Studio: A right-hand sidebar with various creation tools: "Audio Overview", "Video Overview", "Mind Map", "Reports", "Flashcards", "Quiz", "Infographic" (BETA), and "Slide Deck" (BETA). A note at the bottom states: "Studio output will be saved here. After adding sources, click to add Audio Overview, Study Guide, Mind Map, and more!"