National University of Computer and Engineering Sciences

Peshawar Campus

Web Technologies (BCS-8A)

Assignment # 1

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Submitted To:

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HTML Newspaper Recreation – Code Explanation

1. Code Structure

The HTML document follows proper HTML5 structure beginning with `<!DOCTYPE html>` to define the document type. The root `<html>` tag contains two main sections: `<head>` and `<body>`. The `<head>` includes metadata and the page title, while all visible newspaper content is placed inside the `<body>`.

Semantic HTML5 tags were used to organize content meaningfully instead of using only `<div>` elements.

2. Key Sections

Header Section:
The `<header>` contains the newspaper masthead, publication date, and main headline. An `<h1>` tag is used for the newspaper name to indicate highest importance.

Navigation Section:
The `<nav>` element contains a list of key news categories using an unordered list. This simulates newspaper section navigation.

Main Content Section:
The main news articles are structured using `<section>` and `<article>` tags. Each article includes:

- A headline (`<h2>` or `<h3>`)

- An image with an `alt` attribute

- 3–4 rephrased body paragraphs

A `<table>` is used to create the multi-column layout, matching the newspaper's column structure.

Footer Section:
The `<footer>` contains publication details and additional information, similar to what appears at the bottom of printed newspapers.

3. Design Decisions

A table layout was used to recreate the newspaper's column-based structure because external CSS was not allowed. Tables provide a simple way to divide content into multiple columns using rows and cells.

Semantic tags were chosen to improve readability and follow modern HTML5 best practices. Proper heading hierarchy ensures structured and meaningful content organization.

Inline styling was used minimally for alignment and spacing since external CSS files were forbidden.

4. Challenges Faced

The main difficulty was recreating a complex newspaper layout without CSS. Managing column alignment while keeping code clean required careful nesting of table rows and semantic elements.

Another challenge was maintaining visual similarity while preserving proper HTML structure and validation compliance. Testing the layout repeatedly in the browser helped resolve these issues.