

# HTML Newspaper Recreation - Code Structure Explanation

Name: M.Taskeen Ikhlas | Roll No: 22p-9378 | Section: BCS-8B

## 1. Code Structure Overview

The HTML document follows a semantic HTML5 structure with three main sections: `<header>`, `<main>`, and `<footer>`. The entire content is wrapped in a container `<div>` that provides the newspaper-like appearance with aged paper background (#f4e8d0) and shadow effects. All styling is done using inline styles as per assignment requirements, with no external CSS files.

## 2. Key Sections Explained

### Header Section (`<header>`)

Contains the newspaper masthead with registration number (REGD N3 589), main title "DAWAT" styled with large bold font (56px), subtitle, price information, and publication details. Uses a `<table>` for date/volume information layout. Double-line border separates header from main content.

### Main Content Section (`<main>`)

Divided into multiple subsections using `<section>` and `<article>` tags. The primary layout uses HTML `<table>` elements to create a two-column structure (65% left, 35% right) mimicking traditional newspaper columns. The main article features a drop cap effect using a floated `<span>` element. Additional content sections include side articles, image placeholders, and a three-column news items section at the bottom.

### Footer Section (`<footer>`)

Contains publication information, volume details, and educational purpose disclaimer. Styled with double-line border and centered text for professional appearance.

## 3. Design Decisions

**Tables vs. Divs:** HTML tables were chosen for column layout because they provide reliable multi-column structure without CSS Grid or Flexbox, which aligns with the assignment requirement of using only HTML and inline styles. Tables ensure consistent column widths and vertical alignment.

**Semantic Tags:** Used `<header>` for masthead, `<main>` for primary content, `<article>` for individual news pieces, `<section>` for content groupings, and `<footer>` for publication info. This improves document structure and accessibility.

**Heading Hierarchy:** Implemented proper hierarchy with `<h1>` for newspaper title, `<h2>` for main headline, `<h3>` for subheadings, and `<h4>` for article titles, ensuring logical document structure.

**Inline Styling:** All styles are inline using the `style` attribute, including colors, fonts, borders, spacing, and layout properties. This meets the requirement of no external CSS files while maintaining visual design.

## 4. Challenges and Solutions

**Challenge 1:** Creating multi-column layout without CSS Grid/Flexbox. **Solution:** Used HTML tables with percentage-based column widths (65%/35% split) to replicate newspaper column structure.

**Challenge 2:** Achieving newspaper-like visual appearance with only inline styles. **Solution:** Applied aged paper background colors, double-line borders, drop cap effects using floated spans, and proper typography with serif fonts and appropriate font sizes.

**Challenge 3:** Maintaining semantic structure while using tables for layout. **Solution:** Wrapped table cells with semantic `<article>` and `<section>` tags to maintain document meaning while using tables purely

for visual layout.

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**Note:** All code follows HTML5 standards, includes proper alt attributes for images, uses semantic tags appropriately, and maintains consistent 4-space indentation throughout. The document is validated and ready for submission.