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Project documentation   
Web design

UniVerse News

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# Introduction

Our website is a school project developed by a team of students to showcase the skills we’ve acquired in our Web Design course. Built using HTML and CSS, it highlights our ability to create a fully accessible and responsive platform. Designed with a mobile-first approach, the site ensures seamless usability on both mobile and desktop devices, providing an optimal experience for all users. The website delivers the latest global news, keeping everyone informed about current events and important stories. Accessibility is a key focus, making the site inclusive and user-friendly for a diverse audience. While basic access to news is free for all visitors, registered users gain access to enhanced features for a richer reading experience. Additionally, subscribers can unlock exclusive premium articles.

# Implementation requirements

## Pages

The web project includes the following key pages:

* Index Page: Serves as the homepage, offering an overview of the site’s content.
  + [Screenshort required]
* Article Page: Displays a list of articles with summaries or highlights.
  + [Screenshort required]
* Article Detail Page: Provides a detailed view of individual articles.
  + [Screenshort required]
* Unified Authentication Page: Combines sign-in and registration functionality in a single interface for user convenience.
  + [Screenshort required]
* 404 Error Page: Custom-designed page to inform users when the requested content is not found.
  + [Screenshort required]
* Author Profile Page: Showcases author biographies, articles, and other relevant details.
  + [Screenshort required]
* Search Results Page: Displays content based on user search queries.
  + [Screenshort required]
* Subscription Page: Facilitates the purchase and management of user subscriptions.
  + [Screenshort required]

Most of the pages feature a unified header and footer for a consistent user experience.

## Header

The header includes:

* **Site Name**: Links directly to the main page for easy navigation.
* **Navigation Bar**: Allows users to browse different news categories.
* **Search Bar**: Enables users to quickly find relevant content.
* **Log In Button**: Provides access to the authentication page.

An exception exists on the Authentication Page, where the navigation bar and log in button are omitted from the header to streamline the user experience. However, users can still return to the main page by clicking the site name in the header.

## Footer

The footer, present across all pages, includes:

* Project Address: Displays the official address of the site or organization.
* Developer Credits: Recognizes the team or individuals behind the project.

## Website Navigation

The website is designed for seamless navigation, ensuring users can easily explore and interact with its content.

### Main Page

* Displays the latest news from various categories.
* Users can click on an article to visit the Article Detail Page, where the full content of the article is available.

### Article Detail Page

* Features the full article content along with the author’s name displayed below the article title.
* Clicking on the author’s name redirects to the Author Profile Page, where users can learn more about the author, including their biography and other articles they’ve written.

### Search Functionality

* A search bar in the header allows users to enter keywords and find articles matching their interests.

### Authentication Options

* For users who are not logged in, a Sign In button is displayed next to the search bar in the header.
* Clicking the Sign In button redirects to the User Account Page, where users can either sign in or register for a new account.

## Technologies

For this project, the frontend will be developed exclusively using HTML and CSS. These technologies dominate the frontend landscape and are sufficient to demonstrate the skills acquired during the Web Design course.

# Use of AI tools

What tools

How they were used

Critical evaluation of benefits, accuracy and reliability

## Subchapter Level 2

Text...

### Subchapter level 3

Text...

### Subchapter level 3

Text...

## Subchapter Level 2

Text...

# Meet project requirements

## Full-featured Website

The project is a fully clickable, responsive website built with HTML and CSS.

## All pages linked

All pages are interconnected, ensuring users can navigate seamlessly using the provided links.

## Output runnable in a web browser, no need to install an application

The project is fully runnable in any web browser without the need for additional installations. Simply open the main page, index.html, in any browser to start using the website.

## Independent Pages

### Full homepage

Displays the latest articles from various categories. Each article preview includes a photo and a title, meeting the requirement for a full homepage.

### Category/Section

Lists articles by category, accessible through the navigation menu in the header.

### Article Detail

Includes an introduction, photo, section/category labels, additional images in the article, links to similar articles, and space for user comments. Additional content (e.g., links to social media or supplementary info) is also present.

### Search Results (+ search box on all pages)

A search box is present on all pages, and the search results page includes demo content (not empty) to simulate functionality

### Editorial/ About Us

### Author profile

Offers detailed information about each author and their contributions.

### Subscription/purchase options + the order process

## Full Footer

The footer includes:

* Project address
* Copyright details
* Developer credits

## Usability

### Navigation

The header includes a menu for category navigation, a search bar, and a Sign In button, ensuring users can easily access key sections of the website.

### Breadcrumb Navigation

Present on article and article detail pages to improve usability and help users understand the site structure.

## Responsive design

All pages in the project are fully responsive, ensuring an optimal viewing experience across different devices.

## Semantic elements

The project incorporates following semantic HTML element:

* header: Used for the header on every page.
* nav: Used for the navigation bar within the header.
* section: Wraps the content of pages into distinct sections.
* article: Wraps the content on the article detail page.
* aside: Used for the sidebar on the article detail page.
* footer: Wraps the footer content on every page.

## Grid layout

The project uses CSS Grid layout extensively on the main page. In the **Breaking News** and **World** sections, one element spans multiple rows. The **More...** section at the bottom displays 8 articles in a grid layout.

## Flexbox

## Accessibility at least WCAG level AA