**Team: Vitality  
Members: Sariyev Maxot, Tanibergen Beknur  
Group: SE-2406  
Deployed URL:** [**https://bekhop2006.github.io/WEB\_Ass2/**](https://bekhop2006.github.io/WEB_Ass2/)

**Objective**

**Enhance an existing web project using Flexbox and CSS Grid to improve layout, responsiveness, accessibility, and visual appeal. Focus on color contrast, mobile-friendly typography, image galleries, and user experience.**

**Pages and Files**

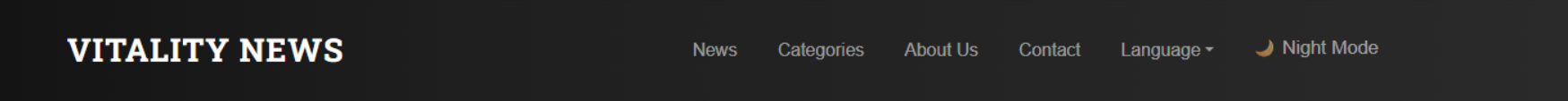
* **index.html — homepage with cards and search**
* **html/news.html — news grid with categorized articles**
* **html/categories.html — categories + gallery**
* **html/about.html — about page**
* **html/contact.html — contact page**
* **styles/style.css — shared styles (header, navigation, hero, cards)**
* **styles/news.css — news page grid and article styling**

**WEB\_Ass2 Project Report**

**Project Overview:**  
This project is a web development assignment for a web class. The goal was to create a responsive, visually appealing website with functional galleries, news categories, and search features. The project has been significantly enhanced to improve user experience, accessibility, and compatibility across devices.

**Changes and Improvements Implemented:**

1. **Color and Theme Adjustments**
   1. Updated the website colors for better contrast and readability, especially in dark mode.
   2. Ensured that text and background colors meet accessibility standards, making the website easier to read in low-light environments.



1. **Search Section**
   1. Added clear placeholder text in the search bar to indicate its purpose as a search tool.
   2. Improved styling so the search bar is visible and intuitive on both desktop and mobile devices.

Изображение выглядит как текст, число, программное обеспечение, Шрифт

Содержимое, созданное искусственным интеллектом, может быть неверным.

1. **Images and Gallery Updates**
   1. Inserted images for all categories to make the website visually rich and informative.
   2. Added images to the album/gallery section to provide a complete visual overview of the site.
   3. Included an additional 27 images to enhance the gallery experience, ensuring that each category and topic is visually represented.

Изображение выглядит как текст, графический дизайн, Графика, снимок экрана

Содержимое, созданное искусственным интеллектом, может быть неверным.

Изображение выглядит как пейзаж, дерево, небо, Горный хребет

Содержимое, созданное искусственным интеллектом, может быть неверным.Изображение выглядит как одежда, человек, пассажир, в помещении

Содержимое, созданное искусственным интеллектом, может быть неверным.

1. **Articles Section**
   1. Fixed the display and organization of news categories to ensure articles are properly categorized and accessible.
   2. Improved layout for articles to make reading easier and visually consistent.
2. **Typography and Readability**
   1. Increased font size in the "About Us" section for better readability.
   2. Adjusted font sizes for mobile devices to ensure text remains legible on smaller screens.

Изображение выглядит как текст, снимок экрана, программное обеспечение, Значок на компьютере

Содержимое, созданное искусственным интеллектом, может быть неверным.

1. **Responsive Design and Layout Improvements**
   1. Ensured that all sections of the website are fully responsive, providing a consistent user experience across desktops, tablets, and mobile phones.
   2. Aligned images, text, and buttons correctly to maintain a professional look.
2. **Deployment Challenges**
   1. The deployment on GitHub Pages was challenging due to an **embedded Git repository** within the project folder (123/WEB\_Ass2). This caused repeated build failures.
   2. Had to carefully remove the embedded repository using git rm --cached and ensure all files were correctly added to the main repository.
   3. Faced issues with image paths and encoding, especially with filenames containing non-Latin characters, which required renaming or adjusting paths.
   4. Resolved multiple Git conflicts and rebase issues before successfully pushing all changes to GitHub.
   5. Learned the importance of keeping the repository structure clean and avoiding nested repositories to ensure smooth deployment.

**Conclusion:**  
This project demonstrates not only technical skills in HTML, CSS, and JavaScript, but also problem-solving skills related to deployment, repository management, and responsive design. The website now features a fully functional gallery, clear categorization of articles, improved search functionality, and an accessible dark mode. The deployment experience highlighted the importance of attention to detail in repository structure and file paths, preparing me for future real-world web development challenges.