**Project Demo**

**Description**

Our news website is a strong and dynamic platform that attempts to provide visitors with accurate and current news. The website, which was created using PHP, offers a wide variety of features and a user-friendly layout to ensure that users have a seamless and enjoyable experience while remaining up to date on the most recent news and information.

The website's user registration and authentication process enable users to safely be part of the news by reporting it. Users may fill out their name, email address, and password during registration to establish a unique profile. Users may use the functionality to be a part of the news and to report it whenever and wherever it is happening by using this profile.

The categorizing of news stories is one of the unique aspects of our news website. Users have access to a variety of categories, including "aktualitet," "politike," and others. Each category has a large selection of well picked articles that are often updated. Users may easily access news that is pertinent to their areas of interest and study a wide variety of subjects thanks to this categorization.

Our news website's homepage includes a dynamic news feed that displays the most recent stories produced by individuals who want to be a part of the news by reporting it, chronologically from the newest to the oldest. To rapidly acquire a general understanding of the news pieces, users may swiftly scroll through the headlines, summaries, and associated photographs. Users may read the whole story, examine associated photographs, and access further details like the author's name and publication date by clicking on a headline to take them to the specific article page.

The website is created using a responsive style from the standpoint of user interface interaction, guaranteeing the best viewing and engagement across multiple devices. The website's many areas, including the homepage, article categories, the section where anybody may submit news, etc., are easily accessible thanks to the website's well-organized navigation system.

**Features**

a. Reporter Registration and Reporting the News 🡪 Users can establish an account by entering their name, email address, and password. Then they can then write the news and select the city.

b. News Categories 🡪 The website covers a variety of news categories, including "politike," "aktualitet," etc. Users can look through articles in particular categories.

c. Latest News Feed: The site features a feed of the most recent news stories that users have reported in the "pjese e lajmit" section, arranged by date. To rapidly acquire a general understanding of the news pieces, users may swiftly scroll through the headlines, summaries, and associated photographs.

d. Article Section: Each news item has its own part, which includes a headline, in-depth text, and relevant photographs. The articles are simple to read and browse.

**UI Interaction**

a. Responsive Design: Our website is designed to have a responsive design and to be mobile friendly, this way the user can interact with the website even on different devices.

b. Navigation Menu: We have designed an organized menu that provides access, so the user can easily choose what kind of news he or she wants to read, depending on his or her preferences, as well to be part of the news by clicking on the ‘pjese e lajmit’ section.

c. Article Sections: The design of the website is easy to navigate and to read articles, with a well-designed display that shows the title of the article, the article itself and the photo associated with the article.

d. Reporting the News: This UI interaction is what makes the user part of the website. Everyone can easily access this section of our website, by clicking on the ‘pjese e lajmit’ section shown on the menu of the website and by filling the register form there, it will make them able to report the news.

**The Aim**

The aim of the project is to design a news website that is able to provide to the users a reliable, user-friendly and interactive website to easily read the latest news, to stay informed and to be part of the news by reporting the latest news. Using the possibility that PHP enables and incorporating our knowledge, we designed a website with various features and we created an engaging online news experience that caters to the needs of diverse users.

The motivation that kept us developing our news website was the need to evolve the landscape of news consumption in today’s world and the need to have a digital platform that offers the latest information with personalized experiences. Today’s world is full of limitless accessibility to information, but being able to filter and to present to the user a filtered, cleared and trustworthy news website, through all the noise, was one of our goals. We addressed these concerns by creating a website that not only gives information, but also provides to every user a unique experience and interactivity.

The problem we were trying to solve was to design a news website with no challenges for the user, like information overload and the lack of a personalized news experiences.

**Architecture Decisions**

The architecture decision that we have chosen to implement on our news website, provide a robust on the overall structure of the website. Establishing web development principles and wen development technologies, the architecture provides clear and efficient communication between the all the frontend and backend component, efficient data management and effective user experience.

The Architecture Decisions, are:

1. Model-View-Controller (MVC) Architecture 🡪 Our website implements the MVC architecture to divide the problems of data modeling, user interface, etc. This architecture provides a clear separation of responsibilities, enhances code maintainability, and allows for easier future modifications and updates.
2. PHP as the Backend Language 🡪 Using our knowledge in PHP, we chose it as the backend language, considering its usage for various features, various and frameworks, etc. PHP provided efficient database connectivity and effective integration with other web technologies.
3. Relational Database Management System (RDBMS) 🡪 A relational database, such as MySQL is used to store and manage data. This choice allowed us to be able to have efficient querying and a structured data organization.
4. Client-Side Technologies 🡪 We used HTML, CSS, and JavaScript to create our website’s user interface and provide the right interactivity. HTML is used to structure the content, CSS is used for styling and layout, and JavaScript is used for the client-side.
5. Security Measures 🡪 We designed a website when we implemented different security measures to protect our user data and to provide to the users a secure browsing experience. This includes secure user authentication and authorization and input validation to prevent common vulnerabilities, such as SQL injection and cross-site scripting.