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Informational and analytical geoportal of UPA campaigns

Abstract – In this complex course project, a review of analogues of already developed web pages on the Internet, their features, advantages and disadvantages was carried out, as well as their appearance and comprehensibility for ordinary users was carried out, their indicators and speed of performance during the execution of requests based on third-party data were determined and analyzed services.

Keywords – React, JS, TS, DB, OpenStreetMap

Relevance: The information and analytical geoportal of the campaigns of the Ukrainian Insurgent Army (UPA) is an important research project, as it provides an opportunity to systematize and visualize historical data on events related to the activities of the UPA on a geographical map. Taking into account the importance of the UPA in the history of Ukraine, the creation of an informational and analytical geoportal will allow preserving and studying the heritage of national resistance.

Subject and object of the study: The subject of the study is the development and implementation of an information and analytical geoportal, which will contain information about campaigns, battles and other important events related to the activities of the UPA, and their geographical location. The object of research is historical sources, archival materials and literature related to the UPA, which will be used to create a geoportal.

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The purpose and task of the research: The purpose of the research is to create an informational and analytical geoportal of UPA campaigns for the preservation, systematization and visualization of historical data. To achieve this goal, the following tasks are set:

1. Collect and analyze historical sources, archival materials and literature related to UPA campaigns.

2. Develop the structure and functionality of the information and analytical geoportal.

3. Implement software for the geoportal and ensure its integration with geographic maps and databases.

4. Test and validate the geoportal using historical data.

5. To ensure the availability of the geoportal for use by various users, including researchers, students, teachers and the general public.

Scientific novelty and practical significance: The scientific novelty of the study consists in the creation of an information-analytical geoportal that combines geographic information with historical data about UPA hikes. Implementation of the geoportal will allow to understand the spatial context of events related to the UPA and provide access to historical sources through modern technologies. The practical significance lies in facilitating access to information about UPA campaigns, promoting further research and study of the history of the Ukrainian Insurgent Army, as well as in educational, cultural and commemorative work with the public.

Conclusion. This work was created for educational purposes to show the historical events that took place in our territory. Also, so that people could roughly see the route our soldiers took. Also, this work can be useful to researchers and students of history faculties for research presentations. GIS modeling is very important when creating maps because each territory has certain features such as landscape, river system, roads, forest cover and so on. For example, in this work, a layer with the indication of the road system of Ukraine was used, because our UPA fighters could not go straight across rivers and mountains, it would be illogical and very energy and materially expensive. Likewise, when creating some other maps,

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external factors are taken into account, as was mentioned, the terrain, road congestion, and so on.

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Розроблення вебплатформи для організації роботи власного інтернет-магазину

Анотація – Створено вебплатформу для організації роботи власного інтернет-магазину, використовуючи сучасні технології та інструменти, такі як C#, .Net Core, ReactJS, TypeScript та платформа Azure, k8s cluster and App Service. Ця платформа пропонується як інструмент, що надає можливість підприємцям створити та керувати своїм інтернет-магазином з мінімальними зусиллями та технічними навичками. Розробка цієї платформи вимагає дослідження сучасних технологій, архітектурних рішень та кращих практик, щоб забезпечити надійність, безпеку та зручність для користувачів.

Результати дослідження та розробки можуть бути корисними для підприємців, розробників веб-платформ та всіх зацікавлених сторін, які мають намір побудувати власний інтернет-магазин та прагнуть забезпечити його успішну роботу в онлайн-середовищі.

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