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## **DEVELOPMENT OF A WEB APPLICATION TO MONITOR AND SUPPORT THE ACTIVITIES OF VOLUNTEER ORGANISATIONS AND FOUNDATIONS**

Supporting the activities of volunteer organizations and foundations is an urgent task in the modern world, and especially in Ukraine, where the importance of volunteering and charity is constantly growing due to the military operations [1]. Volunteer organizations play an important role in promoting social and civic initiatives, but they face challenges in planning and coordinating their activities. There are a number of solutions and approaches available to support the activities of volunteer organizations and foundations, with their advantages and disadvantages, but there is a need for new and better products [2].

There are several solutions and approaches supporting the activities of volunteer organizations and foundations that exist today. The main solutions and approaches include the use of email and social media, individual platforms (websites for managing their activities, e.g. volunteermatch.org, idealist.org) and specialized systems (software developed specifically for volunteering, e.g. Better Impact, VolunteerMark). Existing solutions do not always meet all the needs of organizations and users; some of them are not sufficiently integrated, limited in functionality, low in availability and difficult to use [2, 5].

In order to develop an application to support volunteering, we should think about their control, so while researching ways to verify the existence of organizations and the veracity of the information they disseminate about themselves, the following evaluation criteria were identified: the code of the Unified State Register of

Enterprises and Organizations of Ukraine, address, full name and name of the legal entity [3]. This can be done with the help of ready-made software products, such as YouControl and Opendatabot [3; 4]. Instructions for their use are available on the state web application [diia.data.gov.ua](https://diia.data.gov.ua).

The development of an app to support and monitor volunteering meets the current needs and challenges in the volunteer sector, especially during the war in Ukraine, and can be used to improve the performance of organizations and engage more people in charitable activities. The use of modern technologies and tools will make working with the application convenient and accessible to all stakeholders.

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### METHODS FOR OPTIMIZING THE LOADING AND UPDATING OF WEB PAGES USING CLOUD TECHNOLOGIES

An integral aspect of contemporary systems using cloud technologies, crucial for determining system performance and efficiency, lies in the utilization of caching methods and technologies. For systems delivering static information to end-users, technologies like Static Site Generation (SSG) [4] and Server-side Rendering (SSR) [3] are employed in constructing the client side. SSG is typically suited for pages with infrequent content changes, as modifying content on one page necessitates