

Information and analytical system for joint event management

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Collaboration between people in the process of completing a task is what allows for effective work. Modern trends in interaction and communication in society are aimed at working together and sharing various resources, usually remotely [1]. Collaboration is based on:

- effective communication;
- agreed processes;
- suitable tools for collaboration (convenient for sharing in teams);
- tracking the history of user actions.

Modern IT services allow you to organize joint work with some resources, for example, such as: Google Disk [2], Instagram [3] and various communication platforms for remote communication [4].

Google Drive provides convenient file sharing capabilities, but it does not offer special tools for creating events, nor does it support event search or participant management. The lack of tools for adding specialized data (locations, participants) makes it difficult to use it for this purpose. The platform also lacks the ability to flexibly search and filter by parameters, which is critical for large arrays of events.

Instagram, on the other hand, is more focused on social interaction and lacks the ability to co-edit or set event permissions. It is more focused on creating visual content than organizing processes.

So, these services do not provide the full functionality necessary for effective event management and have significant limitations. In this context, it is relevant to create an information and analytical system that will provide a full cycle of work with events: from their creation and organization to joint editing, commenting and searching. Such a system should be based on modern approaches to interface development and usability, take into account the needs of different categories of users and provide high functionality.

The information and analytical system for joint event management should provide:

- the ability to create events with detail (adding tags, locations, participants, images, adding a description, date, time);

- organization of an event calendar with planning and control of time intervals and joint holding of events for different participants;
 - a convenient interface for searching for events by parameters, including advanced search and filtering: search by dates, tags, locations, participants; filtering of the event archive;
 - attracting participants through an invitation system;
 - support for collaborative editing with setting access levels;
 - event protection through individual user rights;
 - collaborative editing: support for simultaneous editing by multiple participants;
- changelog with tracking of changes;
- the ability to comment on events;
 - integration with popular platforms (e.g. Google Maps [5]) to display locations;
 - saving an archive of events.

The information and analytical system for joint event management combines ease of use and advanced collaboration capabilities. It allows you to use this system for both personal purposes and for organizing corporate or educational events.

Ключові слова: INFORMATION AND ANALYTICAL SYSTEM, EVENT.

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