

## **The Project of Information System of Hiking Routes**

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Information technology is one of the main factors responsible for the rapid improvement and achievement of goals in our time. Information technology has become a key factor that strengthened the education of mankind. This phenomenon is explained by the fact that people got instant access to a large number of information resources and sources, the learning platform, online training, seminars, webinars, etc. however, this result helped to achieve the mobile device during the last 10-20 years are gaining more demand and popularity.

These devices can be used extensively both during training and for leisure. It is through this statement and the idea of creating an information system of Hiking trails. This system should combine the ability to strip the mountain Hiking trails offer alternative options to overcome the way, getting customer feedback etc. implement the above system are:

- improvement of navigation in the mountainous area by creating Hiking trails, which are the best alternative to automotive subject characteristics mountainous area (obstruction, elevation changes, lack of transport routes);
- to ensure the relevance and objectivity through the involvement of the users of the system (providing feedback, introducing new routes and locations, which will be held for moderation);
- time-saving user experience planning an active vacation using quick route calculation stay on the road, the possibility of segmentation, the total segment of the route.

During the formation of the project of information system is analysis of the concept of information system, classification of such systems and their characteristics [1]. Detailed consideration are also different types of methodologies to determine the one that will meet all the requirements of the project and will help successfully implement the system as a whole. At this stage it should be noted that any methodology must provide a solution to such issues as:

- the creation of IP that meets the specified requirements, objectives and goals of the organization;
- quality assurance of the product that is created in certain time and financial limits;
- adherence to properly support processes, changes and improvement of the system for requirements with a tendency to rapid change.

A good choice of methodology must ensure reduce the complexity of development processes through the full and exhaustive description of the processes used throughout the development lifecycle of the system [2]. An equally important step that must be completed prior to the start of the active development phase during the product life cycle is to identify the types of requirements and each one.

The proposed information system project is a viable alternative to such global market products as Google Trips and ViewRanger, as the application must ultimately combine all the features that are not presented in the above programs or not fully deployed. Therefore, we can conclude that the project of information system of hiking trails is a competitive product, which can be a full alternative to existing applications. Implementation of this system still requires careful study, determination of optimal workloads and economic justification, which will help to outline the profitability of the final product and the feasibility of implementation.

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