

The aim of this bachelor's thesis was to create an application that would find a suitable route in the environment of orienteering based on map data. A significant amount of time during its development was dedicated to designing and programming the application itself. As a result, the object-oriented design is thoroughly thought out and elaborated. Due to the time-consuming nature of this process, only the framework of the application was created, which currently does not contain any specific functionality, as there was not enough time to develop the search algorithms or the mechanisms for processing the maps on which the routes would be found. Therefore, the thesis primarily discusses the object-oriented design of the created application and the ideas applied during its development.