

Project Description

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For this project, we will create a map-making tool to be used during the Kick In, which is the introduction period for the students of the University of Twente before they begin their bachelor or master course. For each event during the Kick In, there will be one or more maps showing the location in which the event will take place as well as the resources that will be required for the specific event placed on the map in the appropriate positions.

As the functionality of the iDB committee is extended every year, the tools that the iDB committee used needed to be updated to handle the organization of task division and materials needed for the Kick-In period. Currently, the iDB committee has been using several programs (including hand-made maps) to represent the terrain of where the activities will take place. Therefore, due to the variety of representations, their maps either failed to reflect the scenario correctly, gave wrong dimensions, or not all materials were placed on the map.

The following are the functionalities that the users should be able to perform:

1. Create, edit, view and delete an event,
2. Create, edit, view and delete a map,
3. The web application should be visible on any device,
4. The user should be able to search for a map using the name of the event,
5. The user should have a list of the resources that can be added to the map and the user should be able to drag and drop these resources into the map,
6. The user should be able to generate a report of the items required for the event,
7. The user should be able to export the map in PNG format,
8. The user should be able to see who made the last changes to the map &
9. Create events within and outside the campus.

This project will help and benefit our clients in several ways. Firstly, because there will only be one web application used by all members of the committee, there will be just one map format which leads to less confusion. Secondly, the project gives an overview of the materials needed for each event. Thirdly, it will be easy to find a single map based on the event information.

Our client explained the requirements of the project very well and we managed to come up with an idea on how the end product should look like. We will divide the user stories into epics first, after which we will create different sprints, each lasting two weeks and we will split the work equally between all team members. It will certainly not be easy to complete all the requirements but we believe that by working in an organized manner and by using the Scrum technique, we will succeed in creating the required web application.