

UNIVERSITÀ DELLA SVIZZERA ITALIANA

FACULTY OF INFORMATICS

BACHELOR PROJECT PLAN
SPRING SEMESTER 2017

Smart-IVC

Interactive Visualization of Cities

Author:
Andrea VICARI
vicara@usi.ch

Advisor:
Prof. Michele LANZA
Assistant:
Dr. Andrea MOCCI

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1. Plan

Tasks and Milestones

The tasks that will lead to the final result of this Bachelor Project are going to be the following:

- **Study Technologies** (1 week): choose the most suitable technologies for the project
- **Build Back End** (2 weeks): retrieve data, model it, store the result in the database and create the APIs.
- **Build Front-End GUI** (1 week): that consists in creating the basic skeleton of the website (i.e. menu and buttons) and it work with the APIs

Here I put the **first milestone** (M1), therefore, by the end of March the Server and the basic GUI has to be ready.

- **Create 3D-Map** (4 weeks): create a 2.5D map and then add height to buildings and details to the map

Here is the current status of my work!

- **Create Interactions in 3D-Map** (3 weeks): make the entities on the map interactive clicking on them

Here I put the **second milestone** (M2), therefore, by the first decade of May there must be a working 3D model of the city where is possible to execute queries on the entities

- **Test and Finish Work** (2 weeks): complete undone work, test the application and make the necessary fixes
- **Write Thesis** (8 weeks): that includes writing the project report, the poster and the final plan

Here I present the graphical timeline of the tasks and milestones I described above:

