

CENG350 Software Engineering Project Topic

Spring 2018-2019

Spurred by the current interest in “Smart METU Campus”, this semester we will be working on the specification and architecture design of software for a particular smart campus project, namely, Microsoft’s “Garcon” project. Please, watch the video https://www.youtube.com/watch?v=Ad_EHDcomR8&t=20s

Garcon is a system that combines IoT and AI technologies, but you may assume that particular algorithms and methods can be used in a “black box” fashion. So you only need to understand what, rather than how, something is done using such technologies.

Although the Garcon software has been implemented based on Microsoft frameworks and services your design can be at a higher level of abstraction, depending mainly on the technologies covered in our textbook, particularly, service-oriented architecture (SoA).

In terms of functionality, you need to consider the ticket system and the campus information system. The tickets should address two kinds of issues, such as infrastructure and services. The campus information system should provide information about two distinct topics, such as food and transportation. The choice of issues/topics is up to you. Those issues/topics should be the responsibilities of different units on the campus. Feel free to localize the detailed functionality of the project considering our own campus.

The delivery schedule for the SRS and SDD is given in the course syllabus. For administrative details, please, follow the announcements by the TAs.

Please, do not try to get in touch with Microsoft personnel. If you need any information or clarification ask the course staff.