

CS305: Software Engineering

Assignment 2 - Technology Presentation and Demo

Due: 10/11/2020, 12 points

The objective of this assignment is to introduce you to different technologies / tools available for software creation. Specifically, you will pick one among the following technologies / tools, present it to the whole class, and demonstrate its applicability / usage. The options are:

1. Google Web Toolkit
2. Google Docs API
3. Google Maps API
4. Facebook API
5. Webservices: REST API
6. Ajax and HTML5
7. Junit
8. Maven
9. Selenium
10. Android SDK
11. Dart

If you would like to propose a technology / tool that excites you and not present in the above list, please talk to your instructor.

1 Git Setup and Submission

This is a team assignment. You should work with the same team that you have formed for PA1. The Git setup and submission instructions remain the same for all assignments. Please follow the instructions mentioned earlier in PA0 setup to create your local PA2 repository. The submission will have an oral component, where you present the technology to entire class (20 mins). You will also answer questions posed. The presentation can summarize the report but need not have to. The submission will have a demo component, where you demonstrate the technology using either self-created or openly available software.

1.1 What you need to submit?

- Folder called Report: contains a report on the assigned technology. The report must contain: Introduction, Description of the technology, Example of applications, Bibliography.
- Folder called Presentation: contains presentation related material.
- Folder called Demo: contains supporting files related to the demo. Do not include intermediate files that are generated and installables of prerequisite software.

Each of the components carries a weight of 4 points. As a result, this assignment carries a total weight of 12 points. Under exceptional circumstances (hardware / software / network limitations), you could skip the demonstration component. In case you do, you must compensate for the 4 points by taking an additional assignment.