

# **CS 321 – Software Engineering**

**Fall 2019**

## **Assignment 4 – Implementation and Demo**

**Due date: November 17, 2019, 11:55 pm**

### **Deliverables:**

**1. Change log [10 points]**

Document the changes if any to your requirements, architecture, and/or design. Briefly discuss when those changes were identified and how your team accommodated those changes.

**2. Technology used [10 points]**

Briefly discuss the technologies that you have used (language, platform, patterns, etc.).

**3. Contributions [15 points]**

Describe how the work was distributed for development purposes and mention who implemented each piece.

If multiple people have worked on one piece, document the % of contribution of each member with respect to that piece.

Share your version control project repository with the GTA. If you are enrolled in section 001 or 004, please share it with Bhargavi. If you are enrolled in section 002 or 005, please share it with Roberto. Their email addresses are listed on Piazza.

**4. Software Reuse [15 points]**

If you have reused code (methods, classes, components, etc.), provide details of the elements that have been reused and include attributions to the original author(s) [if you followed tutorials, stack overflow posts, etc., include links to those as well]. Also discuss if reuse was beneficial (why/why not).

### **In-class Demo [50 points]**

Each team will get an opportunity in class to demo their minimum viable product. The demos will be scheduled between Nov 18 – 21. Each team will get 15 minutes for the demo and you will use the wiki tool on Blackboard to sign up for slots. During the demo, you are required to do the following:

1. Demonstrate all the “must have” features that form the minimum viable product.
2. Discuss
  - a. System Overview
  - b. Rationale for building this system
  - c. Software processes used (Waterfall, Scrum, XP, a hybrid approach, etc.)
  - d. Technologies used
  - e. Issues faced

3. Discuss the extent to which all the “must have” features that your team committed to delivering were implemented.

***Note:** To get full credit for the implementation component, at least 85% of the features (that your team has committed to deliver) must be implemented. If not, a penalty will be applied (computed based on the % of features not implemented).*

### **Submission Instructions**

The assignment should be submitted as a .pdf file before the due date – November 17, 2019 at 11:55 pm. Make sure the name of the file includes the assignment number and your last names CS321-P4-<LastName1>-<LastName2>-< LastName3>-< LastName4>.

This deliverable is due before the in class demos.