

CS5551 Advanced Software Engineering

Project Second Increment

Due Date: October 16 (F) 2015, Midnight

The class project is to be based on *Agile* development techniques. In the first stage, each project group has proposed a rough idea of the project they will work on this semester. This can be refined throughout the semester. For each increment hereafter, each group will deliver a set of outcomes related to their project.

The tentative schedule for project development is as follows:

- ~~Proposal: September 4 (F)~~
- ~~Plan & First Increment: September 25 (F)~~
- Second Increment: October 16 (F) ← This Deadline
- Third Increment: November 6 (F)
- Fourth Increment: December 4 (F)
- Project Presentation/Demo/Submission: December 15 (T)

Each project group submits their increment report to the turnitin of the blackboard system before the submission deadline. Note that plagiarism is strongly prohibited. Check Originality Report for your submission.

For the selected features of your proposed system,

- **Introduction**
- **Objectives/Features**
- **Import Existing Services/API**
 - Report all existing services, widget, API or source code you used in your project.
- **Detail Design of Services (using tools)**
 - WireFrames and Mockups
 - Architecture diagram/Sequence diagram/Class diagram
 - Write User Stories /Use Case/Service description
- **Testing (using tools)**
 - Unit testing
 - Performance testing
 - A/B testing
- **Implementation (using Ionic framework/Angular.js/Bootstrap/MongoDB/Bluemix)**
 - Server Side Implementation: REST services & Database
 - Mobile Client Implementation: Implementation of Mobile Apps
- **Deployment**
 - Include your project management site link to the report
 - Post your mobile web app and services to your project cloud site (IBM Bluemix) and include the URLs to the report
 - Deploy your mobile app to smartphones and describe it including the screenshots
 - Post your second increment report and source code to your GitHub site and include the URL to the report and the google spreadsheet.
https://docs.google.com/spreadsheets/d/1vBMJ4gp22y1JzebvTcwkDS1r9Aals2H7H-ml_wznHSg/edit#gid=411568252

- Submit your report to the blackboard project second increment submission site.
- **Report:** Screenshots and explanation on the design, implementation, testing, and deployment.
- **Project Management:** describe the project management in this report and also update your project management site with the progress and plan of your project and include the URL
 - Implementation status report
 - Work completed:
 - Description
 - Responsibility (Task, Person)
 - Time taken (#hours)
 - Contributions (members/percentage)
 - Work to be completed
 - Description
 - Responsibility (Task, Person)
 - Time to be taken (estimated #hours)
 - Issues/Concerns
- **Bibliography**

Late Policy

The late policy on assignments is 10% off the grade if late within one day, 20% off the grade for two days late, 30% off the grade for three days late. **Assignments that are submitted more than three days late will no longer be accepted.** Due to business trip or unforeseen medical, legal, family or other emergency, due date extension is warranted. But a valid formal document is required.