**EE461L Project Part B: New Feature Implementation Progress – University of Texas at Austin**

**Team Name:**

**Team Members:**

**UT EIDs:**

**Assembla Repository URL:**

**Assembla Revision Number:**

**Part B Milestone Timestamp:**

**Instruction.** In this report, you must demonstrate adequate progress toward design, implementation, and testing of the proposed feature. You must specify each member’s contribution for the Part B project assignment. For this assignment, the teaching staff will investigate the development history of the team: e.g., writing code, JUnit tests, and communication among the team members via the Assembla history feature. Thus, we encourage each team to get started with the project early (*if you procrastinate your project, we will recognize this!*) and be accountable for collaboration and individual contributions (*if only one person is working on, we will recognize this as well!)*. **If you need to modify the functional requirements of the proposed feature since the Part A submission, you must communicate with the instructor in person and acquire an explicit approval in writing at least one week before the Part B due date.** If you fail to do so, you may receive no credit for Part B.

**Design Extension:** You must include a specific, detailed description of the progress that you have made in extending the current design and implementing those extensions. You must describe your extended design by including new required classes and their relationships to existing extension points in your UML class diagram. If there are any design changes since Part A, please specify those changes. You must specify which classes and methods are already implemented and which classes and methods are to be added and implemented for the final Part C milestone. If your team is leveraging existing libraries or technologies to implement the proposed feature, include specific descriptions of those libraries and technologies to be used and how they will be integrated into your extended SAROS.

**Description of new and modified APIs:** You must include a Java doc style description of new and modified APIs.

**User Interface Snapshots:** You must include screen snapshots of implemented user interfaces, and add an associated description about the user interfaces and user interaction scenarios.

**Test Scenarios and Test Cases in JUnit:** You must specify how you are going to test the proposed feature and the already implemented portion of the feature. Describe the individual test scenarios, corresponding JUnit Test classes and test methods, the test set up and tear down methods, individual test case inputs and oracles. (Bonus points: You will receive a 10% bonus credit by measuring a statement coverage of your tests.) While the implementation may not be complete at this point, we expect all test case descriptions to be complete by the Part B milestone to drive the rest of the implementation. In other words, we are following the agile, test-driven development methodology.

**Report Format.** 11pt font, Max 5 pages including all figures, screenshots, etc.

**Presentation Format.** PPT or PDF slides. Max 5 pages including a title slide, animations, etc.

**Submission.** Your team must create a project web site on Assembla and include 461L teaching staff as a watcher (with read permission). For this assignment, the teaching staff will investigate the development history of the team: e.g., writing code, JUnit tests, and communication among the team members via the Assembla history feature. Thus, we encourage each team to get started with the project early (*if you procrastinate, we will recognize this!*) and be accountable for collaboration and individual contributions (*if only one person is working on, we will recognize this as well!)*. You must submit a hard copy report in the beginning of the class (12:29 PM) on the specified due date. The submission is per team, and there is no need to submit individual reports per person. Both presentation slides and report must be submitted electronically using a blackboard before 12:29 PM on the due date. The team must also specify a revision number of your project repository with a time stamp prior to 12:29 PM. By checking out the specified revision from your Assembla repository, the teaching staff will access the submitted version of your code and JUnit tests.