**EE461L Project Part C: New Feature Implementation Final Demonstration – University of Texas at Austin**

**Team Name:**

**Team Members:**

**UT EIDs:**

**Assembla Repository URL:**

**Assembla Revision Number:**

**Part C Milestone Timestamp:**

**Instruction.** In this report, you must demonstrate a complete, working implementation of the proposed feature using a concrete motivating scenario. You will carry out a live-demonstration of your tool in class, and your report will describe a **complete** design extension, a corresponding implementation and testing of the proposed feature. You must specify each member’s contribution for the Part C 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!)*. **The instructor will not approve any changes to the functional requirement.** If you have modified the functional requirements of the proposed feature since the Part B submission, you must acquire an explicit approval in writing from the instructor at least one week before the Part C due date---Please note that the instructor will not allow any changes to the proposed feature requirements unless the circumstances are exceptional such as death in your family. If your team does not produce a complete, working implementation of the proposed feature specified in Part A, you may receive no credit for Part C.

**Motivation:** You must include a section on why the proposed feature is needed by the users.

**User Benefits:** You must include anticipated benefits from a SAROS user’s perspective.

**Feature Description and Requirements:** You must include a detailed description of the feature and its requirements in English.

**Design Extension:** You must include a description of your extended design by including new required classes and their association to existing extension points in your UML class diagram. If your team is leveraging existing libraries or technologies to implement the proposed feature, include 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 tested the proposed feature.

**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). 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 on the due date. By checking out the specified revision from your Assembla repository, the teaching staff will access the submitted version of your code and JUnit tests.