

EE 491 WEEKLY REPORT 4

Date: 20 February 2017

Group number: Dec1718

Project title: Security assurance case design tool

Client &/Advisor: Lotfi ben Othmane

Team Members &/Role:

- **John Koehn: Concept holder**
- **Brandon Huegli: Team Lead**
- **Chiakang Hung: communication**
- **Jordan Lawrence: Webmaster**

○ **Weekly Summary**

As a team we spent a lot of time evaluating and experimenting with GUI libraries. After evaluating several, we found that Graphiti would be the best API to use. This is because it has the capabilities to allows us to meet our requirements for the user interface. However, learning how to use Graphiti has been a challenge as it requires that the developer has experience in eclipse plug-in development. Therefore, our team has changed focus to learning eclipse plug-in development.

○ **Past week accomplishments**

- John Koehn: Evaluated and experimented with two GUI libraries, Graphiti and JGraphX. Also spent some time coming up with project requirements
- Brandon Huegli: Researched graphics libraries, did draft of project requirements
- Chiakang Hung: researching on graphing software
- Jordan Lawrence: Worked on project requirements document, added some to wiki, and spent time evaluating GUI libraries

○ **Pending issues**

- N/A

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
John Koehn	Experimenting with and evaluating	6	14.5

	Graphiti and JGraphx		
Brandon Huegli	Requirements draft, looked for libraries	3	9
Chiakang Hung	researching on graphing tool	3	10
Jordan Lawrence	Searching for/ evaluating libraries, working on requirements	4.5	12

○ **Comments and extended discussion**

None at present time.

○ **Plan for coming week**

- John Koehn: Learn eclipse plug-in development and get more familiar with Graphiti. Also work on the design document with team on Wednesday
- Brandon Huegli: work on design documents, learn more about eclipse plug ins.
- Chiakang Hung: work on design doc
- Jordan Lawrence: Learn more about Graphiti, and eclipse plug in development in general. Work on design documents and the wiki

○ **Summary of weekly advisor meeting**

Talked about project requirements, and began evaluating technology options. Talked about the design document, and a rough project timeline and major challenges. Met a second time to further evaluate libraries and select Graphiti as the most promising option for the project.