

ECpE 491 – Weekly Report #5

Feb 26 – Mar 5

Project Title	Interactive evaluation of shortest path methods
Client & Advisor	Goce Trajcevski, Mengxuan Zhang
Team	sddec23-14
Team Members	Alex Blomquist, Samuel Caldwell, Selma Saric, Yadiel Johnson

1 Report

1.1 Abstract

Our team worked on developing our requirements, defining our problem statement, and looking at what engineering standards are applicable to our project. Further discussion took place on what users and use cases are being supported, and a general discussion about initial vs. long-term goals (aided by comments from our client) allowed the team to form a detailed requirements specification.

1.2 Work Breakdown

This week, our team met some of the goals laid out last report regarding the project. The development of the project charter and the requirements became analogous to the Senior Design I assignment for the week, so we enjoyed a head start in that respect. Specifically, functional requirements and other variations were in discussion last week alongside the considerations from the previous report. The document for that assignment, “Requirements”, also has a more concrete definition of our problem statement, engineering standards that apply, and the intended users and use cases.

The development of the overarching design document started this week as well. Within it, the team will compile all the other documents we’ve worked on, such as “Professionalism” and “Team Contract”, into a draft for the final document. They will also be made available separately on the team website. We aim to keep older revisions of these documents separate from their current versions for the sake of looking at our progress throughout the semester, but the design document should be constantly updated with our current version.

1.2.1 Major accomplishments

- Developed a “Requirements” document that details what our problem statement and requirements are, as well as how it lines up with different engineering standards.
- Started work on the comprehensive design document draft.
 - Major sections from previous documents, such as “Professionalism” and “Team Contract”, will be included as the semester progresses.
 - Future revisions to those derivative documents will be seen in the design document draft.

- Filled out project overview and uploaded previous weekly reports onto the senior design website.

1.2.2 Pending issues

- N/A

1.2.3 Individual contributions

Name	Individual Contributions	Worked Hours	
		This Week	Cumulative
Alex Blomquist	<ul style="list-style-type: none"> • Filled out the <i>Engineering Standards</i> section of our “Requirements” document. • Integrated the above document into the draft design document. • Created the PowerPoint for “Requirements” document; filled out the slide and speaker notes for <i>Engineering Standards</i>. 	4	19
Samuel Caldwell	<ul style="list-style-type: none"> • Filled out the <i>Users and Use Cases</i> section of the “Requirements” document and presentation. • Created speaker notes for the <i>Intended Users and Uses</i> portion of the “Requirements” presentation. 	3	15
Selma Saric	<ul style="list-style-type: none"> • Filled out the <i>Requirements</i> portion of the “Requirements” document. • Created speaker notes for the <i>Requirements and Constraints</i> portion of the <i>Lightning Talk</i> PowerPoint slides. • Started working on the Senior Design website. • Filled out meeting minutes document. 	4	19
Yadiel Johnson	<ul style="list-style-type: none"> • Wrote the <i>Problem Statement</i> and a portion of the <i>Requirements & Constraints</i> sections in the “Requirements” document. • Initiated and prepared the design document draft. Transposed previous documents into design document draft. • Added bio and documents to team website. • Minor website formatting fixes. • Section 1: Report and overall development for this weekly report. 	7	25

2 Comments and extended discussion

2.1 Work Planned for Next Week

2.1.1 Collective

The next step for our project revolves around preparing for our lightning talk using the PowerPoint we made on the “Requirements, Constraints, and Engineering Standards” document and continuing to work on our Senior Design website.

2.1.2 Individual

- Alex Blomquist
 - Further integrate previous design document parts into our draft design document.
 - Practice speaker notes for the *Lightning Talks* presentation.
 - Begin working on our Senior Design website.
- Samuel Caldwell
 - Continue working on the design document and integrating previous sections.
- Selma Saric
 - Practice the *Lightning Talks* presentation using speaker notes.
 - Continue working on the Senior Design website.
 - Continue working on the design document and integrating previous sections.
 - Continue working on the meeting minutes document.
- Yadiel Johnson
 - Continue working on the design document draft and develop new documents that complement it.
 - Coordinate practice time for March 21st presentation.
 - Continue reviewing shortest path algorithms.

2.2 Summary of weekly advisor meeting

This week's meeting included getting advice and feedback from our client on the “Requirements, Constraints, and Engineering Standards” document so that we could improve it before we started on our PowerPoint presentation. We also discussed getting our expediting our schedule so that they were able to view and critique our work before submission.