

CS2630 Project 1 Sprint 1 Project Design & Plan Document

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The goal of the program:

Evaluate the end-to-end reliability of WARP flows

Tasks to be done:

Sprint 1: Sequence Diagram, Design Plans

Long-term:

JavaDocs for new/updated methods

UML diagrams for newly created methods

Complete the class/methods required

How tasks will be completed:

For ease in programming, we will be using Pair programming so that it will be easier to understand for all parties, as well as allowing us to verify each others code and make sure that it works. We will be using Pair programming when it comes to implementing new code, as well as testing.

Who will be doing what:

We will work in pairs to implement code and tests, the specifics of whom will be determined when implementation begins. The plan is to regroup and discuss changes made together so that everyone can be on the same page and have a mutual understanding of what is being done.

Order of programs:

Warp, Workload, WorkLoadDescription

Testability:

JUnit tests needed for:

ReliabilityVisualization.java

ReliabilityAnalysis.java

Specifics to test for:

testFlow()

testName()

testSrK()

testSrc()

testE2E()

testChannel()

etc?

Compare the outputs with example.ra files provided

Classes/Methods to complete:

-ReliabilityAnalysis.java:

-getReliabilities()

-verifyReliabilities()

-Visualization.java

-ReliabilityVisualization.java