**Project 2 – Plan document**

*As a Boilermaker pursuing academic excellence, we pledge to be honest and true in all that we do. Accountable together – We are Purdue.*

*(On group submissions, have each team member type their name).*

Type or sign your names: ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write today’s date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# **Assignment**

In this document, you will describe your plan for Project 2. This document provides a template. You are welcome to add more content than is listed in the template, but hopefully this template helps you avoid missing anything crucial.

## Tool selection and justification

What tools? Why those tools? (Use a table)

## Team contract

Describe the general behavior expected of each team member.

Did you make changes between P1 and P2?

## Meeting plan

Meeting times?

How will you prepare for and conduct the meetings?

Did you make changes between P1 and P2?

## Requirements

A refined and organized list of the requirements *that you will support*, perhaps in an annotated table.

## Starting project analysis

How trustworthy is the project you are building from?

* How did you determine this?
* How did your findings affect your milestones and timeline?

## Preliminary design

Prose and diagrams that describe your design. At least one diagram should label the GCP components you’ll use.

## Validation plan

You must have functional tests. How will you measure correctness? (Test plan or sketch thereof; measures of the test suite itself such as code coverage; etc.)

Will testing be done as a separate phase, or following a “test-as-you-go/TDD” approach?

Will you incorporate logging to facilitate debugging? What is your strategy here?

If you will run performance tests, what metrics will you use?

## Milestones and timeline

Use a table, referencing your team’s requirements (or finer-grained expansions thereof). Each milestone should include the feature(s), the owner(s) of each feature, and the estimated time to complete it, and how success will be measured. (How will you know whether you are “on track”?)

* Include the total cost estimate in hours per person (it should be 60-80 hours per person).

Pay special attention to the “Deliverable #1” which should be a demo of some functionality including CI/CD.

Since this table is your justification for the features you will and will not support, it should be detailed enough that we find your estimates plausible.

Does your schedule contain enough slack for schedule overruns?