# **Code Workstation**

# **Status Report 4**

10/29/2015 - 11/18/2015

https://github.com/lrickard/CodeWorkstation/wiki

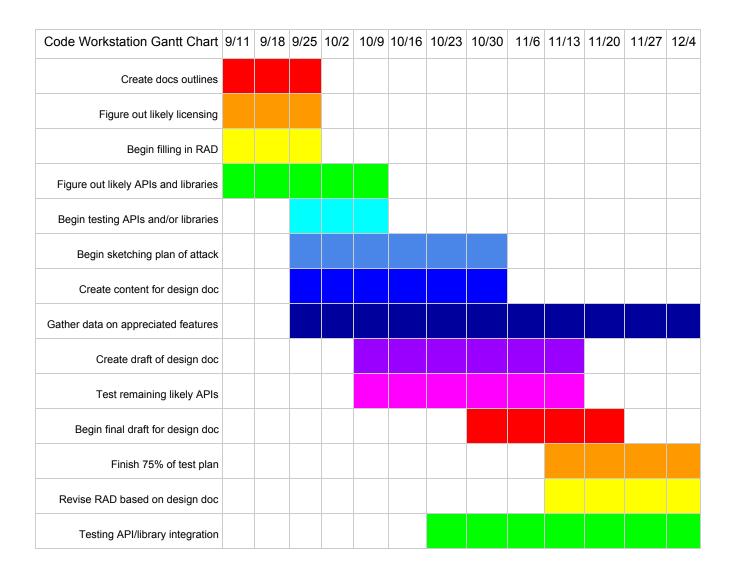
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# **Project Schedule**

### **Current Schedule**

- 9/11/2015 9/23/2015 Create outlines for all documents
- 9/11/2015 9/23/2015 Figure out likely licensing
- 9/11/2015 9/23/2015 Have considerable content in Requirements Analysis Document
- 9/11/2015 10/7/2015 Figure out some likely APIs and Libraries
- 9/24/2015 10/7/2015 Test out one of the APIs or Libraries
- 9/24/2015 10/28/2015 Begin sketching plan of attack
- 9/24/2015 10/28/2015 Create Content for Design Document
- 9/24/2015 12/2/2014 Gather data from peers on which features would be most appreciated
- 10/8/2015 11/13/2015 Create draft of Design Document
- 10/8/2015 11/13/2015 Test remaining likely APIs
- 10/29/2015 11/13/2015 Begin Final draft for Design document
- 11/13/2015 12/2/2015 Finish 75% of test plan
- 11/13/2015 12/2/2015 Revise Requirements Analysis documents based on Design
- 10/23/2015 12/2/2015 Testing API/Library integration and feature compatibility



### **Schedule Changes**

We want to Stay on track as much as possible, but we did underestimate how much time we would have towards the end of the semester. Thus, we will be concentrating on the Test Plan and System Design Document in these last 2 weeks. We hope that at least a small amount of test driven development will help us moving forward next semester. We will still check over the RAD before the end of the semester but we do not plan to spend too much time on it. We will also save more implementation details for next semester. We think that our System Design Document and Test Plan together will be enough for use to start productive work next semester. As a result we have removed it from our current plan.

### **Current Status**

We have done a great amount of testing and figuring out exactly how we will implement the features we want in our project. This was necessary because we were not sure we could get everything done that we wanted to get done. It was hugely educational experience and gave us great insight into possible design techniques. We plan to write all our code in classes which extend existing PyQt classes because that is the most efficient and organized way to use the library and API. It is not the most outright powerful way to use Qt, but the safety it gives us during design and testing will no doubt save us worries. In addition, we have done a decent amount of work on the System Design Document and we hope to finish it 80% of the way in the next week or so. We did not start on the test plan, but we did look over all our documentation. We are not showing it in the diagrams we currently have, but we will need to extend the ShowContextMenu class for each of our existing classes to control the right click options. We might leave documenting this till we are implementing because right click menus are somewhat complicated.

### Plan for 11/18/2015 - 12/9/2015

#### Start on:

1. Test Plan

#### Work on most:

- 1. Test Plan
- 2. Design Document

#### Finish:

- 1. 80% of Design Document
- 2. Most of Test Plan
- 3. Minor Fixes in RAD to make more accurate with final plans

## **Challenges and Concerns**

Our main challenge is finding time in this mad scramble at the end of the semester.

## **Updated Artifacts**

### **Included with Update**

Project Proposal (Unchanged)

Requirements Analysis Document (Unchanged)

Updated Wiki and Repository (Linked, not included in zip)

- Added Some Code we will work and test from
- Added System Design Document (Not 100% up to date)
- Added Status Report 4

Status Report 1, 2, 3, and 4 (These will not change)

System Design Document

- Class Diagrams
- Class Specifications
- Interaction Diagrams

## **NOT Included in Update**

Test Plan - Not started