

Code Workstation

Status Report 6

1/23/2016 - 2/5/2016

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

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Project Schedule

Current Schedule

Below is the rough plan we made for the semester that outlines what our focuses should be throughout the semester at a high level.

Code Workstation Gantt Chart	2/5	2/19	3/4	3/18	4/1	4/15	4/29	5/11
Create Button Buttons								
Create Basic Command Box for output								
Test Button Buttons								
Create Command Box Auto Run Functionality								
Test Command Boxes								
Create and Test Drop-Down Menus								
Create Dock and Dock creation system								
Test Dock Creation system and scalability of existing features								
Implement dock resizing mechanics								
Implement window resizing mechanics								
Test and debug resizing features								
Implement keyboard shortcuts								
Usability testing								
Debugging and Interface polishing								

The following schedule is a more granular breakdown of what each team member plans on doing.

This plan is subject to change but will be used for basic work planning.

At some point we want to label things with colors depending on how flexible they are.

1/23/2016 - 1/29/2016

Lukas: Make granular plan regarding specific work distribution.

Jake: Figure out how to make a pyQT application run on a fresh system. Create CW installation/run instructions.

1/30/2016 - 2/5/2016

Lukas: Make testing plan for integrating features together. Experiment with right click menus for testing.

Jake: Start working on Button button dialog box.

2/6/2016 - 2/12/2016

Lukas: Start working on Command box dialog.

Jake: Finish basic Button Button dialog box.

2/13/2016 - 2/19/2016

Lukas: Create usable Command box autorun functionality with time intervals

Jake: Create testable Button button creation. Satisfy "Create a new button" user story.

2/20/2016 - 2/26/2016

Lukas: Integrate existing features.

Jake: Work on drop down menus and right click menus.

2/27/2016 - 3/4/2016

Lukas: Start docking/Undocked command box features.

Jake: Finish drop downs and start on keyboard shortcuts for testing.

3/5/2016 - 3/11/2016

Lukas: Integrate existing features.

Jake: Load/responsiveness test existing features. Determine if optimization/redesign is needed.

3/12/2016 - 3/18/2016

Lukas: Start docking resize or snapping features.

Jake: Start window resizing testing and control.

3/19/2016 - 3/25/2016

Lukas: Start programmable shortcuts

Jake: Start text editing features (If latency exists) [Save, SaveAs, Open]

3/26/2016 - 4/1/2016

Lukas: Integrate existing features.

Jake: Debug and finish resizing features.

4/2/2016 - 4/8/2016

Lukas: Work on making dock snapping intuitive.

Jake: Polishing and debugging [Stretch features.]

4/9/2016 - 4/15/2016

Lukas: Stretch features and usability testing (Get people to try it)

Jake: Add shortcut features with are determined to be most convenient.

4/16/2016 - 4/22/2016

Lukas: Polish visuals. Work on release documentation/Poster board.

Jake: Fill out test plan. Ensure goals are met/given up on completely.

4/23/2016 - 4/29/2016

Lukas: Finish release documentation.

Jake: Ensure presentation/demo is ready.

Schedule Changes

This schedule is fresh so there is nothing to change so far.

Current Status

We are both planning to have a rigorous and organized update cycle where we each work on classes separately and then we combine work at the end of each 2 week period. We will work together but we are creating work that can be done separately so that there are no excuses and so we may parallelize our effort more effectively.

I (Lukas) unfortunately destroyed my grub installation that referenced my primary linux installation. I could retrieve my UUID by booting linux from a flash drive, write it down, and then manually add the UUID to the grub installation on the flash drive but that would require me to run grub off a flash drive which is slow. Instead I am installing linux fresh on a new SSD I bought which will hopefully also speed up the work I will be doing this semester. This has slowed down testing but will hopefully result in a net positive for the semester because linux will boot much faster and large file transfers will be a breeze.

Plan for 1/22/2016 - 2/5/2016

Start on:

1. Command Box + Button Button integration and testing and work plan
2. Implementing Button Button
3. Implementing Command Box features

Work on most:

1. Buttons and Button Button
2. Getting source code and integration plan organized

Finish:

1. Integration and work plan
2. Demo-able progress on Button and Command box Dialogs.

Challenges and Concerns

We want to make sure we start the semester out correctly and stay organized. For us this means using version control to its full power and staying in sync with each other about how we will integrate each features every few weeks.

Updated Artifacts

Test Plan - Updated minorly

Status Report 6 - Shiny and new (with copied and pasted format)

Github Wiki - now more links!

Included with Update

Project Proposal (Unchanged)

Requirements Analysis Document (Unchanged)

Wiki and Repository (Linked in documents - not included in zip)

Status Report 1, 2, 3, 4, 5, and 6 (These will not change)

System Design Document

Test Plan(in process still)