Code Workstation

Status Report 7

2/6/2015 - 2/22/2015

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

Lukas Rickard - Project Leader - l_rickard@u.pacific.edu

Jake MacMillan - Integrations Lead - j_macmillan1@u.pacific.edu

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

The schedule is pretty much on track. No changes.

Current Status

We're not currently behind, but we have been sidetracked slightly by making the UI dynamic. We

believe that finishing the command box functionality will be trivial, so we aren't terribly worried. We

finished the Dialogs we wanted to finish and we learned a lot about PyQt. We connected up the New

Button Button and our User interface is testable. Just install python3-pyqt5 and run the StartCW.py on

a linux system.

Plan for 2/22/2016 - 3/21/2016

Start on:

1. Create and test drop-down menus

2. Test dock creation functionality

Work on most:

1. Make UI dynamic

    a. create Dock and Dock Creation System

2. Create and test drop-down menus

Finish:

1. Command box functionality

Challenges and Concerns

While we are confident about our ability to assemble the UI, some of the back end implementation of

adding elements to the page seems like it will be tricky. Not concerned overall.

Updated Artifacts

Status Report 7 - New

Code - New things added

Github Wiki - One line of installation instructions

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 (Unchanged but soon to be updated)

Test Plan(in process still)