

CPR E 492 Bi-Weekly Report 3 MAY15-19 (3/13/15 - 4/2/15)

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Client: Brock Ascher, ECpE Department

Members (roles): Randy Groh (Leader), Brandon Kuha (Webmaster),
Brylee Raupp-Timmons (Key Concept Owner), Maria Vognsen (Key Concept Owner),
Aaron Zatorski (Communications Director), Alex Haynes, Ian Rosenbery

Project Title: CyRIS wall - phase II

Weekly Summary and Accomplishments

We have now had the first FAN club demo and have the majority of the InCadence and Stellarium applications complete, now we are looking towards the next FAN club demo. In this demo we will show the remainder of our applications along with any updates to what we showed at the first demo. More progress was made on the other applications, but there is still some work to do before they are ready for presenting.

Meeting notes:

3/13 Meeting with Advisor

Duration: 1 hour **Members Present:** Aaron, Brylee, Maria, Ian

Purpose and Takeaways:

Met with advisor, further discussed goals and details for first FAN club event and also discussed what would be demonstrated at second FAN club event.

Pending Issues:

None of note.

Plans for next 2 weeks

Aaron – Continue work with Stellarium App and work on final document.

Brandon – Continue work on Research/Club Spotlight application

Maria – Continue work on Ticker application

Ian – Finish testing possible feature for InCadence and assist other teams along with work on documentation.

Alex – Continue working on the Ticker application

Brylee – Test some bug fixes for InCadence from the FAN club event

Randy – Continue working on Research/Club Spotlight and the Daily Brain Byte app

Individual Contributions

Brandon:

Maria:

- 3.5hrs - Working on IntuiFace interface for Ticker widget
- 2hrs - Used the given ifd file for the RottenTomatoes asset to work in IntuiFace to better understand how to implement dynamic web data
- 2hrs - Learned about the node servers Alex is working on. Installed Node.js and played around with setting it up. Watched some videos on Node servers
- .5hrs - Attended FAN club demo

Ian:

- 1hr - Meeting with advisor
- 2hrs - working on cymaps to bound the map and general bugs
- 1.5hrs - Testing cymaps on wall to try to reproduce bugs found during previous testing by other team members, worked with Brylee on UI for a bit
- 1hr - Researching ways to record InCadence performances using java
- 3hrs - Further research on recording, some testing of source code found online to write MIDI files, created some tests for functionality of MIDI file writing.
- 0.5hr - Report writing

Randy:

- 0.5 hr - Fixed a quick bug with the feed js and tried to get access to the vm
- 2 hr - Worked with Aaron and Brylee to get my stuff in the project for the presentation on Friday.
- .5 hr - corresponded with Steve about vm access
- .5 hr - corresponded with Steve about vm access / attempted to gain access to the sdmay2015 machine
- 2 hr - got access to the vm and set up mysql database and did a rough design of the tables
- 1.5 hr - Hung out at the FAN club presentation and helped display/break things
- 2 hr - Got the code for Super CY from the other team and looked through what I might need to change / implement in their code to get it to be what we want.
 - Eliminate the starting size selection window
 - Add an instruction screen
- Added some garbage data in the database so that I could try to throw together the ifd for intuiface but it looks like the test bed's visual studio needs to be reinstalled? Going to attempt to do both of these code works on my personal laptop.
- 1.5 hr - Downloaded Unity and investigated the other project.
- 2.5 hr - Worked with the Unity project figuring out how it works. Emailed Paul from Super Cy and got the text so I can make an instructions page. Began editing the Unity resource (on vert slider) to match other text resources. Also did some testing with Aarons phone and my laptop of the game.
- .5 hr - Worked with VB connecting to DB stuff for intuiface stuff
- 2 hr - Worked in Unity and finally got a project with an instruction button / scene for it to go to. Hopefully tomorrow I'll get the graphics up and finish up this part of things

Alex:

- 0.5 hr - Discussing ISU Directory API with webmaster, attempting to connect to webserver.
- 1.0 hr - Made the first draft of the Directory UI for the FAN club promo
- 0.25 hr - Made some finishing touches to the Directory UI for the FAN Club promo
- 2.5 hr - Made Directory Search interface on test bed, researched proxy servers, connected to webserver, helped test InCadence and CyMaps.
- 1.5 hrs - FAN Club demo
- 1.25 hrs - Configured the VM to act as a proxy server. It didn't resolve the Cross Origin request issue.
- 1.0 hrs - Consulted experts to find an alternative to a proxy server. Settled on running a local node server.
- 1.5 hrs - Installed node.js, completed several tutorials and got a basic Hello World server up and running.

1.0 hrs - Researched node express module and basic routing, planned endpoints for ticker and directory search
 1.0 hrs - added routing to the node server, implemented rudimentary requests to google.
 2.5 hrs - Added requests to the ISU directory and the Labstats API. Tested the results in browser and through the Directory search test script. Edited the DirectorySearch.ifd and .js to add a variable to hold the response and send the xhr. It's not working at this time. On the Ticker side, editing the .ifd yielded a 404 so I need to play with that some more as well.

Brylee:

3 hrs creating and working on main UI. Created buttons to load instruments.
 3 hrs creating a loading wheel and trying to thread in loading while creating instrument (not as easy as it should be)
 4hrs working on the playback bar for sequencer and trying to find alternative ways to JFugue - JFugue appears to have black box unknown issues.
 2 hrs creating a different sequencer playback that mixes JFugue and Java midi sequencers and sequences
 1.75 hr working out the kinks of the JFugue + Java sequence mix
 .5 hrs doing touch ups preparing for the first test on the big wall.
 1.5 hrs creating an InactiveTimeChecker for CyMaps and InCadence so that they close automatically after so much inactivity.
 2.75 hrs trying to test on big screen and debug Java errors on big screen that occur. Also made InactiveTimeChecker more efficient and discovered small bugs and some UI todos.
 .5 hrs redesigning instrument buttons for consistent UI
 1.5 hrs making instrument list menus determine the correct font size to use on its own and make default instrument size determine automatically so that they adapt to different resolutions.
 2.5 Hrs trying to readjust the automatic scaling dimensions for the instruments based on the current resolution. Also did the same for the instrument list menus. Also, though an almost insignificant change, i modified the default drum sounds that are shown when the sequencer is created. Much of this time came from testing the dimensions as I modified them to determine a decent "fit".
 2 Hrs doing final preparations for FAN club as well as presenting for FAN Club.
 2 Hrs trying to recreate and fix bugs discovered in InCadence during the FAN Club.
 1 Hr trying to determine what might cause the unknown bug discovered in the CyMaps application during big wall testing.
 1 Hr making minor changes to the InCadence UI as suggested by some surveys received during the FAN Club.
 3.5 hrs researching and experimenting with the possibility of recording midi.
 Total: 32.5 hrs

Aaron:

2.5 hr - 3/24 working to prepare our presentation for the FAN club meeting and testing on the wall. Ran into an error that we were able to replicate on the test computer so tomorrow we can fix it on the main wall with Jason's admin rights.

4.0hr - 3/25 continued work preparing our presentation for FAN club, adding Randy's brain byte to our presentation, working on a bit of InCadence UI, bug testing, InCadence now runs on the wall!!

12.0hr - Stellarium changes and testing. Removed unnecessary buttons, Added focus on touch.

2.25hr - FAN Club presentation and setup, survey creation

Total contributions for the project

Person	Time	Total Time
Randy Groh	15.5hr	56.75hr

Brandon Kuha	hr	50.50hr
Brylee Raupp-Timmons	32.5hr	157.25hr
Maria Vognsen	8hr	66.00hr
Aaron Zatorski	20.75hr	103.00hr
Alex Haynes	14hr	47.5hr
Ian Rosenbery	9hr	55.00hr