CS350 Log

Adam Piersa

2/11

2:15 - 4:15

We fought and downloaded eclipse with the myLC app. We tried to open the app and see what needs to be done first. Eventually, we got the app running, but do not know how much is done. I installed several programs to finally get the app to open. I found out the login feature is there, but I have no clue what it does currently. The app only takes me to a screen with colored blocks after I login with any username and password.

2/13

2:15 - 3:00

After struggling with the android programming, we started to debate on a new project. It was way too difficult to try and figure out what was done on the myLC app. We came up with the new idea, LC blackboard (CS Moodle) and wrote a pivotal tracker on it. We plan to begin working on this new program next week.

2/18

2:15 - 3:45

We figured out a new project to do that is similar to Moodle for computer science students and professors. It will use clients and servers, with mainly C# language. This program will read in spreadsheets of student’s names and information and identify the classes they are in. We filled in our new pivotal tracker for the planning game. We finished up the pivotal tracker by creating tasks for the stories we created.

2/20

1:00 - 3:45

Today we developed a user interface for the computer science Moodle page. We also started making a client and server connect to each other. We are going to try to connect the two programs next class. We also linked the buttons on the interface to open different forms we need.

2/25

2:15 - 3:45

Today we updated the user interface to include a splash screen. We started to change the older forms to reflect the addition of the new splash screen. We are now preparing a dynamic form to hold the class information of each student. We are going to use radio buttons to select what class you want to login as.

2/27

1:00 - 2:30

Today we added the finishing touches to our user interface with the class list form. We also got a client and server to connect and send messages to each other. We started to research databases to hold the information we will take off the excel sheet.

3/4

2:30 - 3:45

We went over what we accomplished so far and started to put it on github. We began to write tests for our test driven developed client and server programs. Next week we hope to start with excel sheets and getting user information on the interface and refactor the client and server.

3/6

2:15 - 3:20

Today we put all of our files we have so far on Github. We started to write more tests and refactor some of the bad names in the code. We hope to finish the tests for the server and client soon, and begin writing tests for the excel sheets and database.

Mid- term Evaluation

Both Erik and Marissa and hardworking and quickly ask questions when they are stuck. They are consistent and always show up to meetings. Erik is hard working and determined to get things done. Marissa is consistent and always gets her work done as soon as possible. We all work as pair programmers as much as possible. They have been one of the easiest groups to work with, because they all care about this project and getting their work done. I think they both do great work and give it their all. We all struggle at times because learning a new language, like C#, takes a lot of time and patience. It has been hard to programs a new language while trying to learn it, but I think they both did very well.

3/18

2:15-5:00

We attempted to put working tests into the server and client today. The programs stop working today for a reason we were unable to figure out. We did not change anything on them during break, and now when we attempt to run them, error come up. We still have not been able to pinpoint the specify error that has be plaguing the server and client. They are no longer able to connect to one another, even when they both run on any IP on the same machine. We hope to figure out these errors soon and finish the tests so we can move onto databases and excel sheets.

3/20

2:15 - 3:45

Today we were able to fix the client and server to work on IPaddress any on the same computer. We wrote four passing tests for both the client and the server. After the tests were completed, we refactored our code. We just need to go back and fix the main routine on the client, then both the client and the server will be ready to turn into the customer. Next time we start writing code we will be able to write the tests first, we are hoping this will make programming easier, than trying to write passing tests for code that was already written.

3/21

12:30 - 1:00

I went and changed a couple tests on our client program to get them running. I got all but one test running perfectly. I wrote pseudo code for the last test, but ran out of time to complete it. I am also waiting to talk to my group and make sure this is the code we want to use, because it involves a lot of extra steps. We will work on finishing the last test during of next meeting, and begin to move onto databases and excel sheets.

3/27

2:15 - 3:00

Today we finished the server and client that were on pivotal tracker. We finished the tests and did the minimum amount of code to pass them. After we finished the tests, we refactored the code. We are now working on setting up threads on the server to handle multiple clients at once. This is a challenge because no one is our group is very familiar with C# and all the Using and what data type to use for any of it. It will take us time to write tests and research how to implement threads in our server.

3/31

2:00 - 3:00

Today I went back and made our code presentable to show the class how we got out tests working. I hard coded a message for the client to send the server so the client will pass the send message test. It took a while to install nunit and get that to work on a different machine. We are now starting to move forward and work on threads and the database.

4/1

2:00 - 4:15

After we presented what we had today to the class, Dr. Ribler suggested we have a few more tests. We went back on the client and server and added more tests. We added echo and send message to the server and receive message to the client. It is difficult to still try and figure out C# and how it handles clients and servers. We are trying to make the server stay open no matter if clients are connected or not. We are hoping after we finish this completely, to start working on the threads and database.

4/3

1:30 - 3:00

Today we started to fix the client and server to be able to handle multiple clients. It completely broke every piece of code that was already written. The tests and all of the other code is completely broken. We had to comment out everything and basically start over. I am going to try to meet with you, Dr. Ribler, tomorrow about trying to salvage our current code and still add the threading to the server to handle multiple clients. We have been trying for a few days to get this right, and it always breaks or destroys another part of the code. No one in our group knows C# well, so it is very difficult to be able to write this code. We have had problems like this from the very beginning. C# is confusing and has a lot of weird data types I do not understand. Learning a language while trying to program, is very tedious and difficult.

4/7

1:00 - 2:30

I researched today a lot about C# and how threads are used. It is still very confusing, because there are so many ways to use them. The different types of threads and how they are implemented is so confusing. There are so many different ways to do it, I do not know which one to use. We still seem to break the code every time we implement threads. We are going to have to consider moving on to something else if this continues to take this much time.

4/8

12:00 - 3:45

Today we got the server and client to work with multiple threads. The servers can now accept connection for multiple clients at the same time. We got them to send message back and forth, and got all of our tests for them to work. The database for our program can now read and write to Access Successfully. We are working on getting excel files to work with the database at this time. We plan to go back and add what we have done to the user interface soon. Since the client and server are working now, we are going to start to refactor them soon.

4/10

2:15 - 3:00

Today we started trying to put the server on a user interface. We had to design the user interface that would allow an administrator to open and close the server. The admin could also see the users that are online and eventually ban and kick anyone from the chats. They can also read the messages sent back and forth. We are starting to implement all these items. We finally got a program that can read and write to an excel file. We hope to try and put all these classes onto a user interface soon.

4/15

2:15 - 4:00

Today we refactored the client code and started to put it into a user interface. This is giving us a lot of problems because we are unable to reference the correct form and textbox to take the user entered information. The client does connect to the server, but messages are unable to be sent back and forth yet. We also worked with the database some and refactored some of that code. We worked on making sure a user is not already in the database, because if they are the system will just add a class to the existing user instead of creating a new user altogether.

4/17

1:30 - 3:00

We started to put threads on the client user interface today. We wrote a test for the server that tests if multiple threads are alive. We refactored the code after we wrote a failing test, and then wrote the minimum code to pass it. The database was also worked on some today. We hope to finish the user interface next week with the client then work with the server.

4/22

2:15 - 4:45

We worked on getting the client to work with the user interface today. We were able to take text from a textbox and send it to the server and insert it into a listbox. Getting the send button to work on the press of the enter button took some research, but we finally got it. I started to refactor the client and server code again since they were moved over to the user interface. We will finish it more next class. We also made a user interface for professors so they can manipulate the database. Getting the code integrated into another user interface takes time. We hope to get the server user interface up and running next class to connect with the client.

4/24

1:00 - 3:00

The client user interface works completely now. It sends messages on the form and posts them to a listbox easily. We also wrote more tests for the database, and added new functions afterwards. We began to refactor on the database and server. We are starting to get the server user interface to work, but it is much more difficult. The server has to run two separate instances of threads. We need threads to work the user interface listbox and textbox, and threads to handle multiple clients. This has caused problems, because the user interface keeps freezing and sitting still. We hope to get this fixed next time and start to put the database login information on the client user interface.

4/29

2:00 – 5:00

Today we fixed the sever user interface, and allowed multiple clients to connect and send the server messages. It took a lot of time to figure out the problems because it was all to do with threads. We had to implement three separate instances of threads to get the user interface working with multiple clients. We also cleaned up and refactored all of our code the last time before we turn it in. New comments before the functions were also inserted into our code. We put all of our code on Github before we left.

Final evaluation

My teammates Erik and Marissa worked very well this semester, in my opinion. Erik was very helpful, especially with the client and the server. He meet twice a week every week, and was never late. Erik worked the entire time during our meetings and we always got something done, even if it was just research. I enjoyed working with Erik because he is a hard worker and always showed up to our meetings. Marissa also was at every meeting and worked hard. She was a stronger programmer with the database than the client, server programs. She was also willing to help with whatever we needed. She worked the entire time and was willing to do anything that was needed. Overall I am very satisfied with my group because they are hard workers and always show up to the meetings. They never made excuses or just did not show up. They all struggled with me in the learning process of C#. I think my group worked very well together, and our program shows it.