

Allan Eivazian, ID: 93668453  
Farshad Feyzi, ID: 35573143

## **CS 122B Contributions**

| <b>Contributors</b>   |  |   |
|-----------------------|--|---|
| <b>Project Number</b> | Allan Eivazian   | Farshad Feyzi   |
| Project 1             | <ul style="list-style-type: none"><li>• Setup Apache Tomcat</li><li>• Created private repository under the course organization</li><li>• Created the MySQL Database</li><li>• Worked on the backend to ensure the information presented on the MovieList page was accurate</li></ul>   | <ul style="list-style-type: none"><li>• Setup Maven</li><li>• Setup AWS instance and connected it to the project</li><li>• Worked on the user interface and sorting of the MovieList page</li></ul>   |
| Project 2             | <ul style="list-style-type: none"><li>• Integrated login functionality and create login page</li><li>• Added the design and functionality for the browse and main pages</li><li>• Added ability to search to the search page</li><li>• Wrote functions to assist in retrieving movie information</li><li>• Included sorting into the pages</li><li>• Incorporated the shopping cart UI and functionality into the application</li><li>• Created initial pagination algorithm and added error checking to checkout page</li></ul> | <ul style="list-style-type: none"><li>• Adjusted the HTML and CSS on the login page, as well as several others</li><li>• Altered the SQL tables</li><li>• Designed the MovieList page by adjusting the table layouts and CSS</li><li>• Assisted in adjusting and designing search UI and algorithm</li><li>• Created the user interface and functionality for the star and checkout pages</li><li>• Added ability to check for correct login credentials</li><li>• Assisted in adjusting pagination</li></ul> |
| Project 3             | <ul style="list-style-type: none"><li>• Worked on incorporating HTTPS functionality to the system</li><li>• Created the employee dashboard page</li><li>• Added Stanford movie information to the GitHub repo</li><li>• Wrote XML parser, and made it so that the XML can be imported to the database</li><li>• Included error checking in XML parsing,</li></ul>  | <ul style="list-style-type: none"><li>• Added reCaptcha and password encryption to the system</li><li>• Assisted in adjusting the design and functionality of the dashboard</li><li>• Worked on optimizing the XML parsing</li><li>• Wrote the optimization report that was assigned for this project</li><li>• Changed the queries so that they run with</li></ul>   |

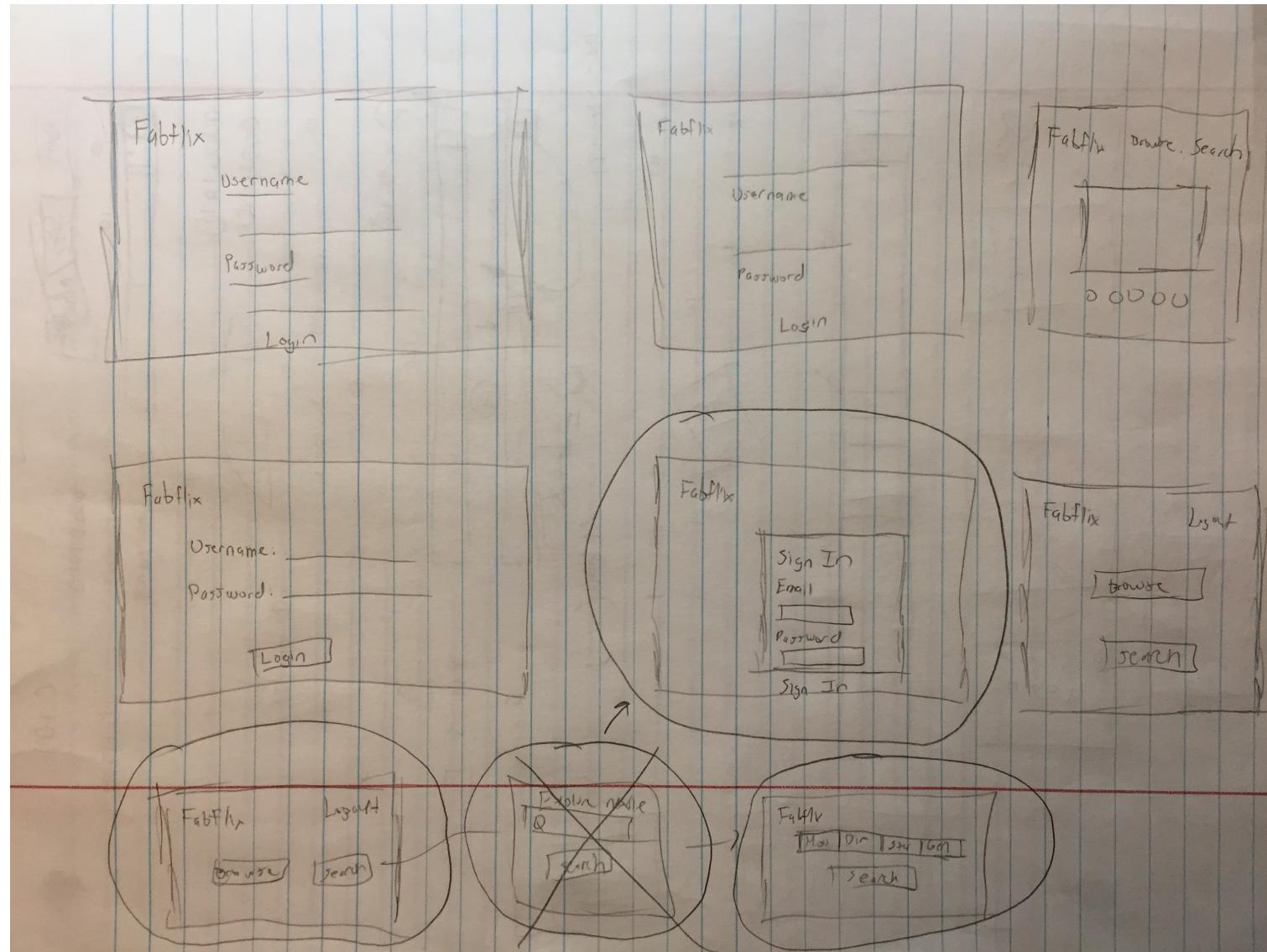
|                     | so as to prevent issues such as a duplicate import  | Prepared Statements  |
|---------------------|---|--|
| Project 4           | <ul style="list-style-type: none"> <li>Assisted in restraining the autocomplete functionality</li> <li>Designed the user interface of the Android application</li> <li>Worked on the back-end of the Android application</li> </ul>   | <ul style="list-style-type: none"> <li>Adjusted the user interface to allow for autocomplete</li> <li>Incorporated autocomplete to the system and ensured that it met all of the project restraints</li> <li>Incorporated login functionality and HTTPS connection to the Android app</li> </ul> |
| Project 5 (Current) | <ul style="list-style-type: none"> <li>Used MySQL replication to run AWS instances as backend servers</li> <li>Configured the first instance to handle sessions</li> <li>Wrote script that processes the log file of a query workload and calculates the necessary time measurements</li> <li>Worked on measurement report</li> </ul> | <ul style="list-style-type: none"> <li>Enabled JDBC connection pooling</li> <li>Setup more AWS instances to run the second and third instances</li> <li>Configured the load balancer on a Google Cloud instance</li> <li>Used JMeter to measure the average query time</li> </ul>                |

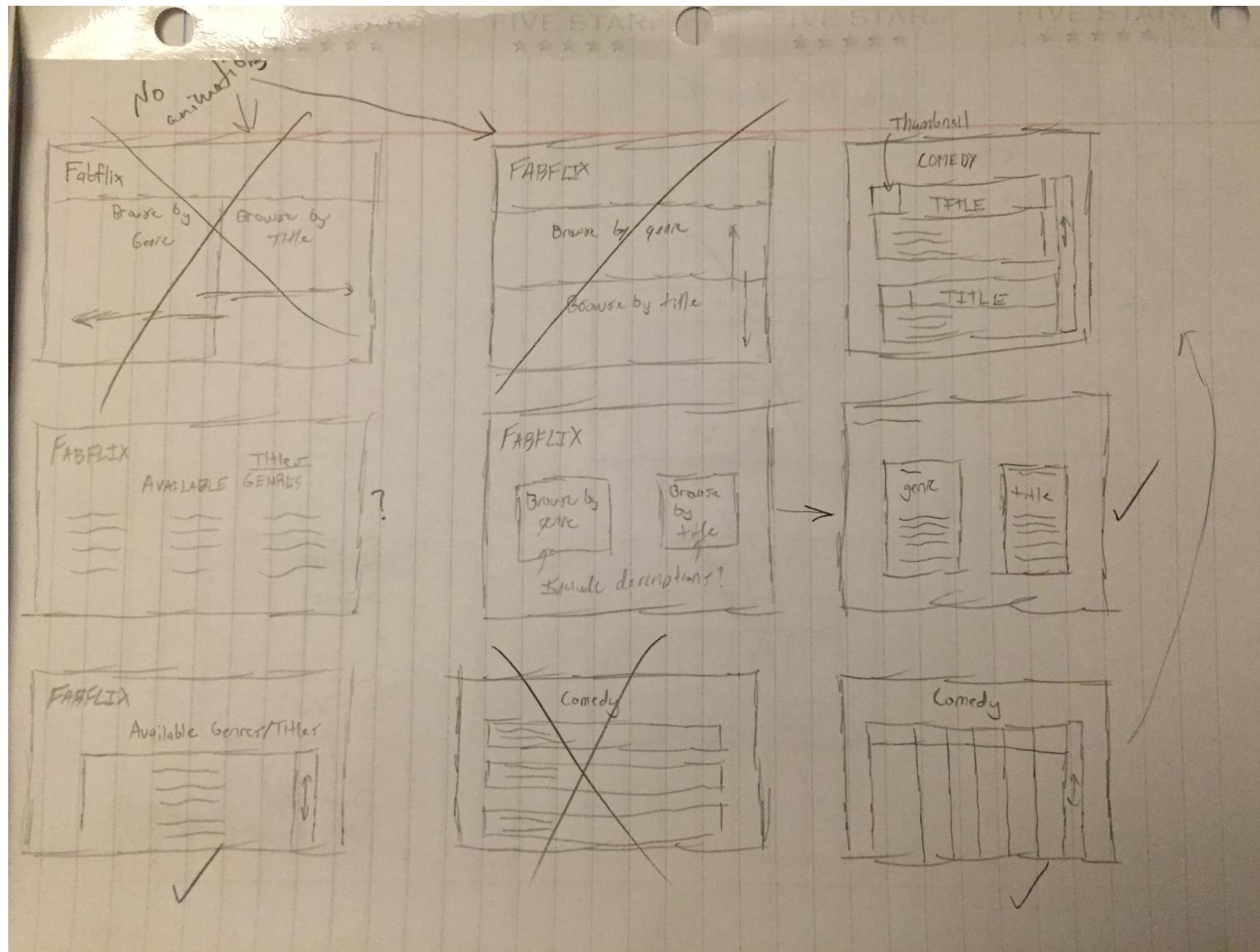
## Further Explanations

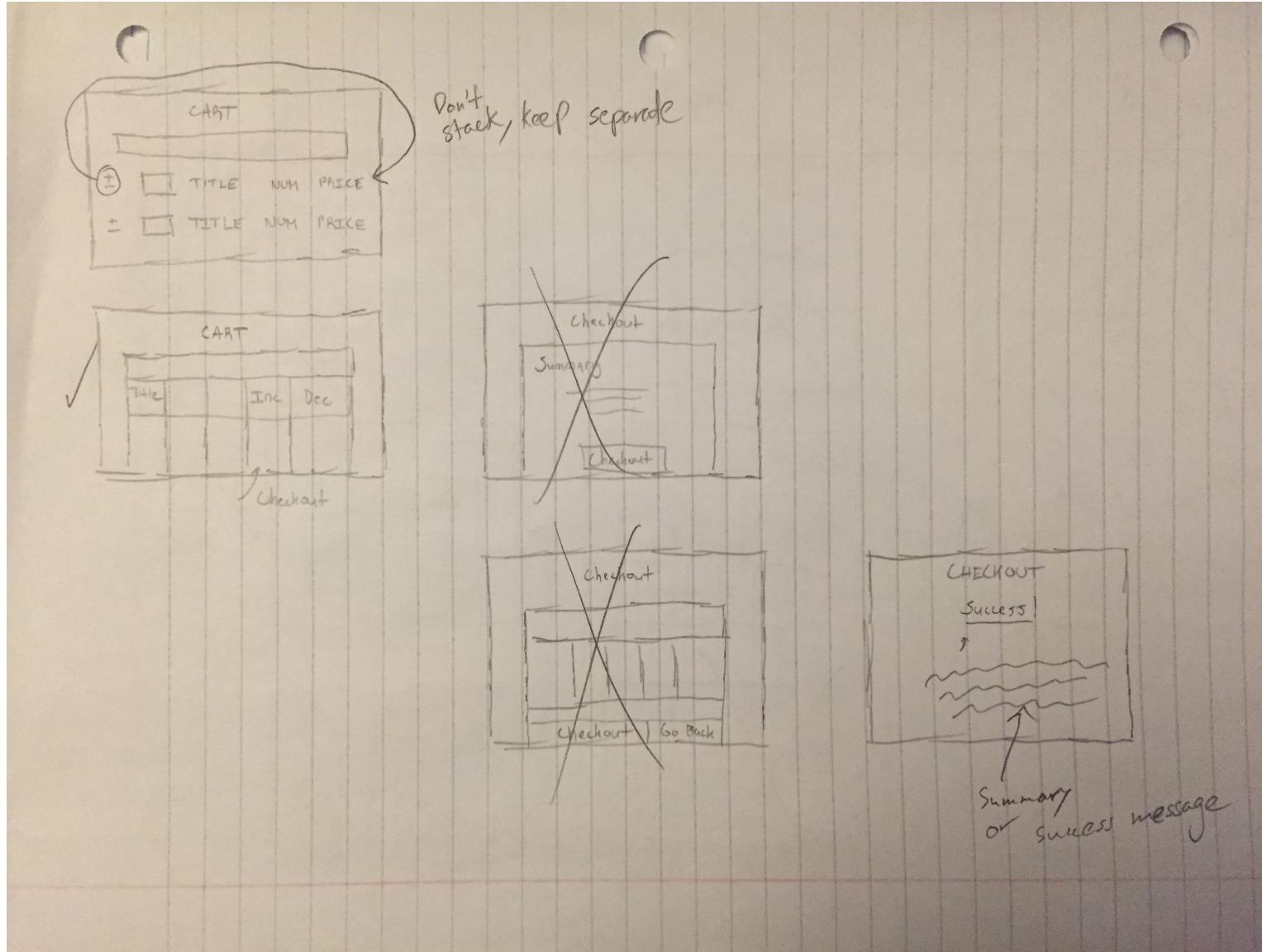
Since we worked on this project on the same computer at the same time, we decided to take the pair programming approach. For each project, we looked at the project requirements and outlined what each of us was responsible for accomplishing. Then, as we went along each task, the person in charge would lead, while the other would provide assistance and suggestions in the background. This made it easier for us to finish the assignments, since bouncing ideas and solutions back and forth really assisted us in getting through any issues that came up in the code. Another benefit this provided us was the ability to be on the same page throughout the project. At any given moment, both of us were fully aware of how the system was decided, and how we wanted it to look and function.

While most of our work was done on the computer, some of our brainstorming sessions did take place on paper. This was especially the case when it came to designing the user interfaces of both the website and the android application. Below we have attached a few pictures of these notes that were taken during our meetings. Furthermore, we have also included some of our text messages conversations, which include arranging meeting times to work on the assignment as well as file transfers.

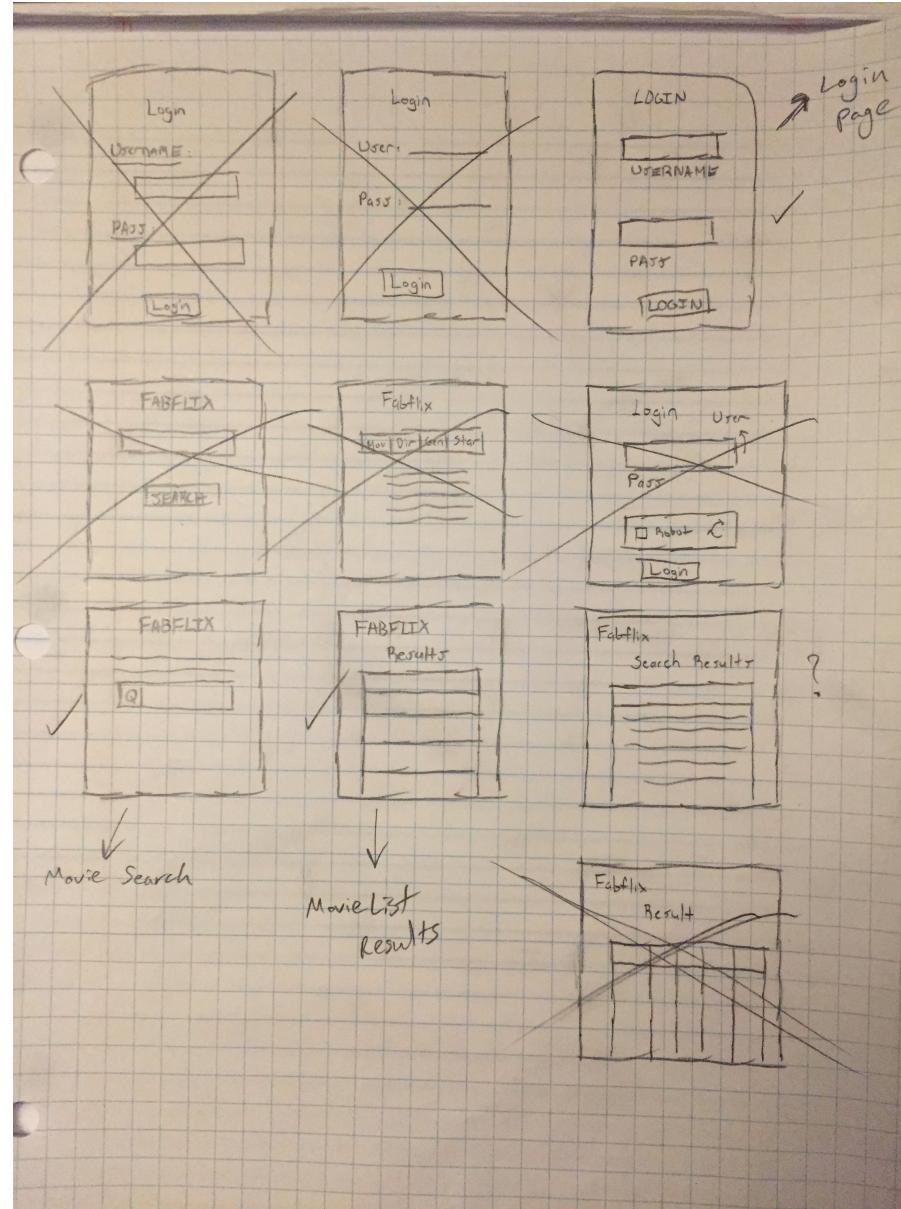
## Website User Interface Mockups



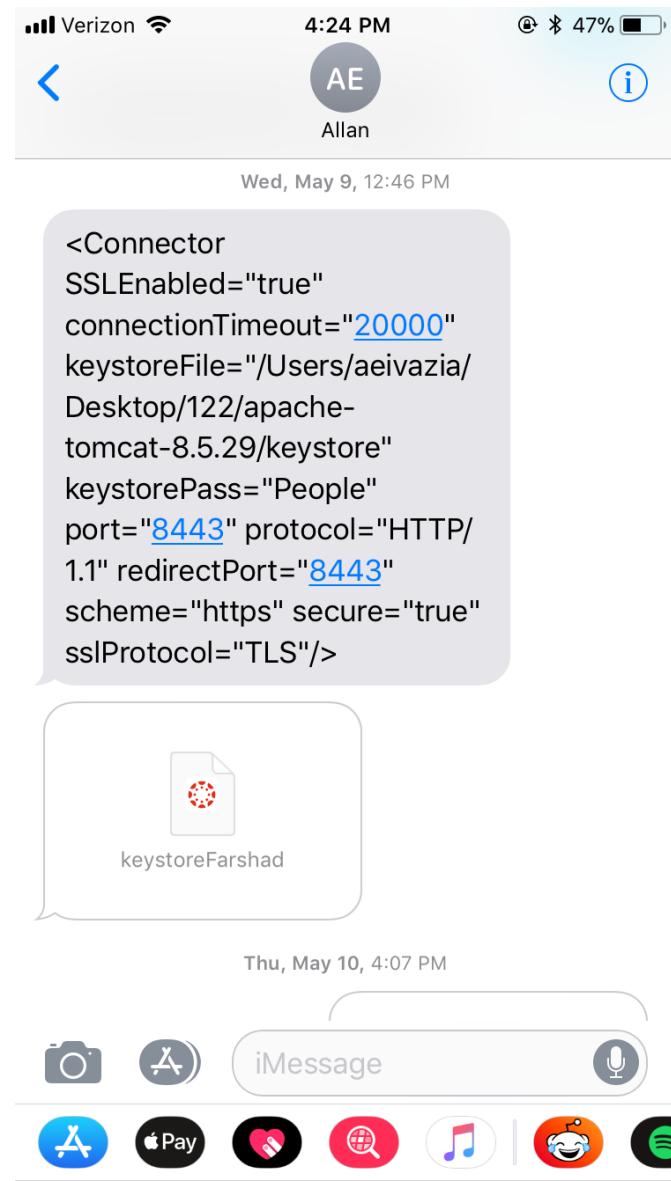
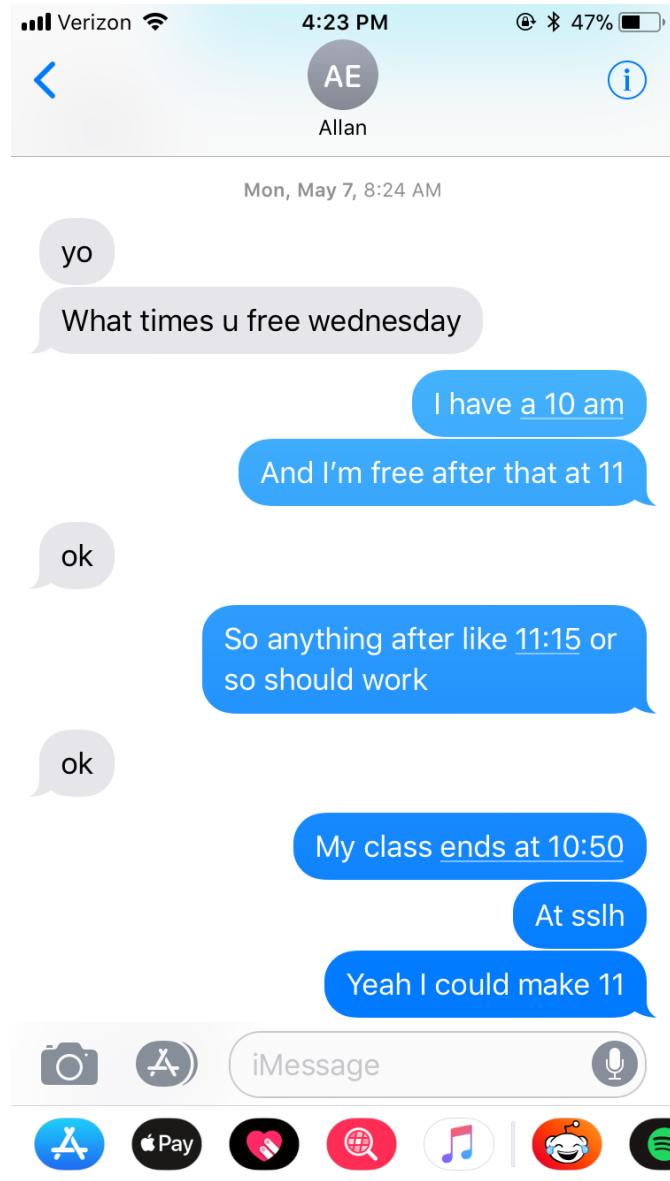




## Android Application User Interface Mockups



## Text Message Screenshots





Tue, May 15, 1:03 PM

Yo I gotta lag meet up a bit

Like 30-40

Kk

Omw bro

Sounds good

I'm at Phoenix

Where

I've been here for like 20-30 minutes now

Where u at

In the front?



iMessage



Or 10:15

Mon, May 21, 8:46 AM

Ok you good

With 9:30

On wednesday

I guess

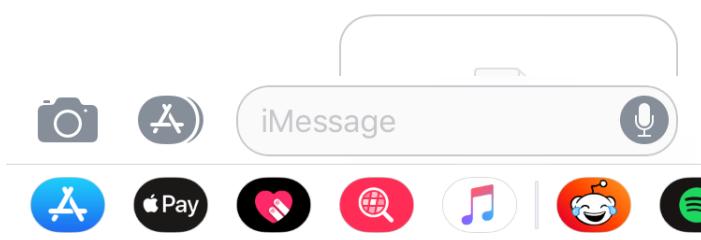
Mon, May 21, 10:00 AM

So we're set for 9:30?

Yea set for 9 30

Kk sounds good

Mon, May 21, 5:18 PM



iMessage

