Team members: Derek Gorthy, Jack Dinkel, Michael Swisher

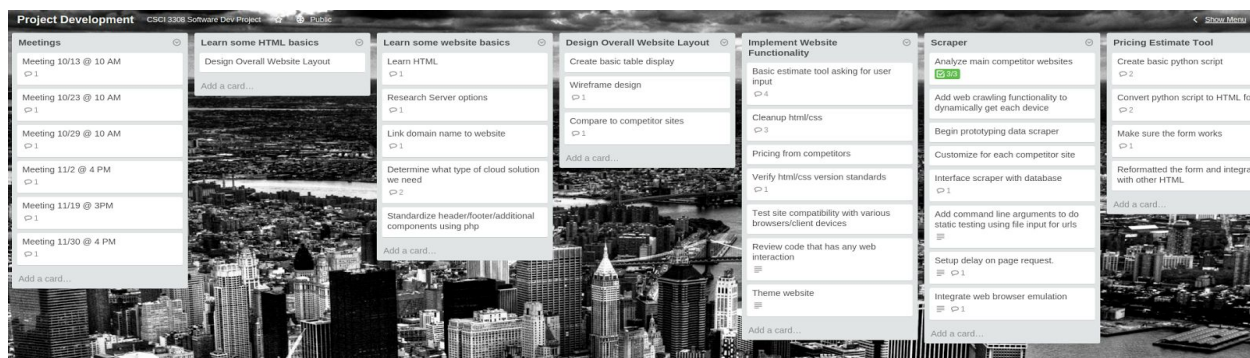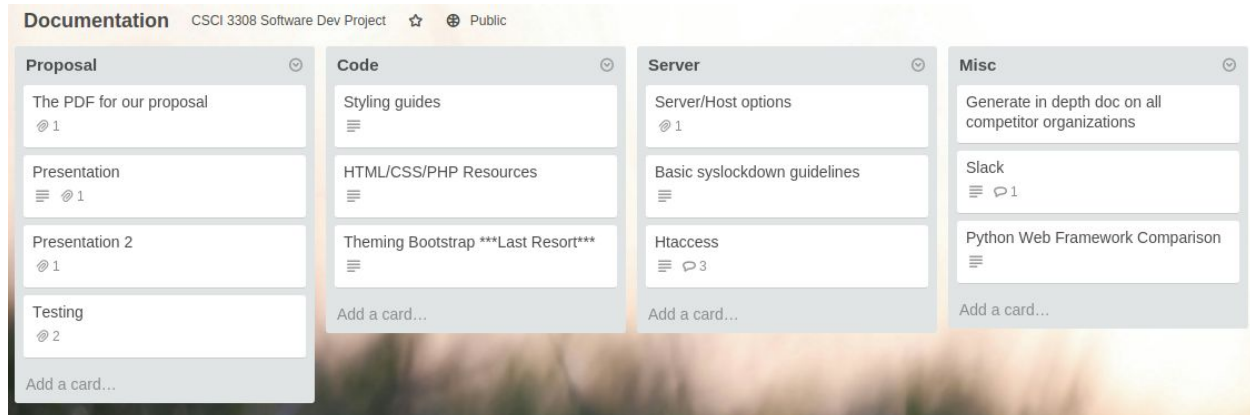**Title:** BuyBack Revolution Website and Tools Development

Description: BBR is a website that will give customers pricing information on used and damaged phones. It will ask users information about their phone and, using our personal database and information from competitors, give the customer an estimate including our own purchase price.

Vision statement: To develop an industry-changing price calculator tool for customers looking to get the highest price for their used personal device.

Project Tracker: We used Trello as our project tracker. It can be found at this link: https://trello.com/csci3308softwaredevproject. It is set to public so that anyone can view the boards and communications.

There are two main boards, Documentation and Project Development. Documentation is primarily used to keep track of important documents, notes and resources. Project Development was used to track the progression of our project and contains notes from meetings, tasks, and other development milestones.

Video: Out demo video is located in Documents/Reports/demo_video.mp4. Github can not run the video, so to view it, it will have to be downloaded. It is in mp4 format, so most video players should be able to play it without issue.

VCS: We used git as our Version Control System, hosted by Github. Our repository can be found here: https://github.com/JackDinkel/SoftwareDevProject

> **Source Code:** The source files for the website can be found in the repo in Web/html. More information can be found in the README.

> **Test Cases:** The automated unit testing script can be found in Scripts/test.py. It was written using the Python UnitTest module. To run the tests simply use the command *python test.py* and the tests will run. If the test is run on a local machine, it is possible the tests will fail due if the MySQLdb module is not installed. If this is the case, simply open Scripts/main.py and comment out line 3 (import MySQLdb). After this, the test script should be able to run and pass 31/31 tests.

> The User Acceptance Tests are located in Documents/Reports/user_acceptance_tests/.

> For more information on testing, see the Part 3 document in Documents/Reports/BuyBackRevolution_Part_3.pdf

Contributions:

Deployment: The website can be found at www.buybackrevolution.com and accessed using a standard web browser as you would any other website. Refer to the video in Documents/Reports/demo_video.mp4 for a demonstration of its functionality.

Auto-documenter Documents: The auto-documentation is done using the PyDoc module for python. The documentation itself is in Documents/Reports/auto-documentation.txt and is generated from the python file main.py, where the comments are written. The file was created by navigating to Scripts/ and running the command

  pydoc main ../Documents/Reports/auto-documentation.txt