Group 6

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For this first iteration, our main concern aside from the general setup of the database was to create the login flow. This included three API endpoints and a static HTML page with form logic in Javascript. We conducted tests iteratively while building the code. The backend team used cURL to hit the API endpoints and replayed session cookies to build extended test logic. The frontend team sent AJAX requests to those endpoints by manually filling out and submitting forms. We were unable to conduct unit tests in time for delivery of the first iteration, however we were able to set up a general framework for the construction of unit tests on the backend. Automated unit testing on the frontend is a non-trivial undertaking but could be made easier with the use of a browser automation framework like Selenium.

A major source of conflict and blockage during testing was the separation of concerns between client & server teams. Each team was able to easily test their implementations in isolation, but the process of combining and testing the complete product was arduous. Some of this pain can be attributed to the variance of ability & platform familiarity amongst team members. Additionally, differences between operating systems and web browsers contributed to our struggles. The largest detriment to the execution of rigorous tests for this iteration was a sort of bootstrapping problem. The frontend team depended on the API endpoints from the backend team to thoroughly test their form logic (and vice versa, to some extent).