We implemented the following sub-projects:

1. Set up a Travis CI account and configured the build header file to implement CI for our unit tests.
2. Set up Selenium and wrote integration tests to evaluate the create-account, create-listing, search, and login functions of our app.
3. Implemented load balancing for calls to the front-end with HaProxy.
4. Wrote and ran load tests generated/managed by JMeter.

All the files you need to build the project and check out what we did are available for checkout at https://github.com/daedrika/smpl-pk.

Sample output for the load tests is available in the three .xml files in the root of the JMeter folder. The test files (.jmx) generated are located in apache-jmeter-5.0/bin.