KEGGERS





Phase 2

Project Specifications

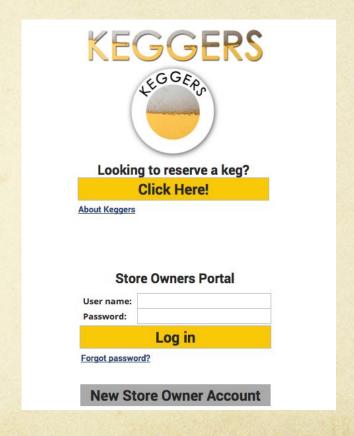
Goals

- "Keggers strives to enable an efficient and reliable service between consumers and local liquor storeowners."
- "Keggers will follow a lean startup methodology...Genchi Genbetsu – Toyota Principle"
- "To achieve efficiency, the Keggers Development team will have to follow a strict guideline....This phase will require an iterative programming methodology"



Customer User Interface

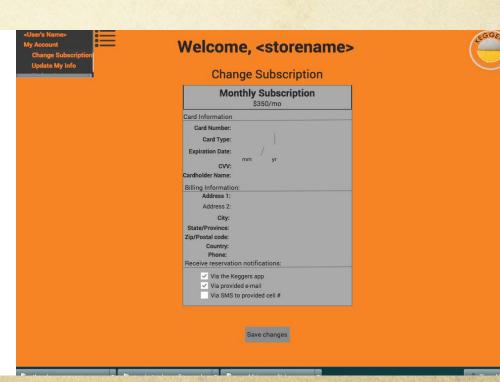
- Log-in Page: "Click Here!"
- Home page location, size, vendor brew, and search buttons
- o8901 → ½ Keg → Blue
 Moon → Search Button



Store Owner User Interface

- New Account: Basic Personal Information →
 Subscription Plan → Payment Method
- Requires Log-In Authentication
- Store Owner Menu: My Account → Change Subscription, Update Info/Inventory, Log Out





Web App. Software Specs

- Browser Type: All Modern Browsers (Chrome, Firefox, Safari, Edge)
- Framework: Bootstrap
- Input Field Validation: Jquery/Javascript
- Back-end: PHP
- Data Storage: MySQL

Database Information

- Tables: customers, stores, kegs, store_keg, and reservations
- Customers: id, first name, last name, telephone and email
- Stores: id, name, telephone number, and email
- Kegs: id, vendor, brew, and size
- Store_keg: id, two foreign keys, boolean (availability)
- Reservations: id, and two foreign keys

Hosting/Transactions

 Google's App Engine: Database hosting/security, and Pay-for-use service (~\$400.56 monthly)

- Based off Oracle's Capacity Planning Guide
 - Worst Case Scenario: Required TPS is ~40,000 (reflect Rutgers' student population)
 - Complexity Factor =1
 - Traffic Handling: More than sufficient

$$Number of Boxes = \frac{Required TPS}{\left(\frac{Reference TPS}{Complexity Factor}\right)}$$

Interactive Mockup

Link:

googledrive.com/host/oB-CNTkqYFAwMTXhSOWZEUHU2WDQ/index.html

Release Timeline

Testing Plan

- 1. Functionality Testing
 - Check for Broken Links
 - Sample Liquor Store Location Data
 - Cross Reference Keggers Zip Code Search with Google Search
- 2. Browser Compatibility
 - - Chrome Firefox Internet Explorer 7, 8, 9
 - - Safari Microsoft Edge Opera (Gaming Consoles)
- 3. Mobile Compatibility
 - - IOS Android Windows

Keggers Phases

- I. Build-Measure-Learn Loop

 Assessing the problem, and developing an MVP I year prior to product release
- 2. Customer Development Establishing customers in niche market, college demographic – 6 months
- 3. Final Development –
 Collection of data (such
 certain spikes in transactions
 in certain months) 6
 months

