

Test Strategy and Plan for LAZE

LAZE will be developed and tested by the CP312 class of 2018 under the supervision of **Dr David Brown**.

The strategy is to use testing techniques in all phases of project development life cycle. Verification and Validation techniques, unit testing, integration testing, non-functional testing, end user testing and some exploratory testing.

- **Requirements and Analysis SQA** - Team determined testability, ambiguity, validity and verification
- **GUI Prototype Validation SQA** - Team ensured that the prototype best reflected user requirements
- **SPMP SQA** - Overall QA Cycle
 - Included any grammar check, content & date updates and overall aesthetics
- **Design SQA**- Includes design review & validation
 - ensuring all UML diagrams are up to date with classes, methods
- **Testing**- Unit, Functional, Integration, Performance, Security, Browser, OS
- **Test Cases**- Detailed test cases will be designed and executed as per the timeline
- **Defects** will be reported to design and development team where applicable.
- **Bug fixes** will be part of bi weekly development release cycle, Sanity check followed by functional and regression testing including bug verification.

Scope for First Beta - Nov. 18th, 2018

- Login page
- Password Recovery
- User registration
- Map page - (front end team)
 - Using Google maps
 - <https://github.com/lauriercp317/laze/blob/master/Web/front-end/mapview.html>
 - Pin icons

Scope for Second Beta - Dec. 3rd, 2018

- Map page
 - Functional pin placement and usability
 - Hooked into backend model
 - Pin expiry
 - Automatic pin placement
 - Pin description box
 - Pin Creation
 - Long click or pin button
 - Front end:

- Buttons
 - Should actually work and link to relevant pages
 - Like user registration
 - Password recovery
 - Login page
 - Logos
- User profile page

Scope for Gold Candidate Build - Dec 15th, 2018

- Make sure all existing features are done and bug free
- Have final HTML documents completed and ready for final submission
- Potentially:
 - have pin feed
 - Voting system on pins
 - User achievements
 - Ad space
 - Paid for pins

Overall project deadline including presentation - Dec. 16th, 2018

- SQA on doc
- Re-upload in HTML
 - Upload all google drive items including meeting minutes
- Presenting
 - SQA
 - Docs
 - Front End
 - Back End
- Test
 - All Buttons should work
 - Show password should work
 - Graphics as designed
 - Pin detailed display
 - Allow for editing text
 - Location Description
 - Can be found by clicking links or pins
 - User profile page
 - User location mapping
 - Current location pin
- Front end
 - Mobile display
 - User Profile page
 - Floating labels above important landmarks

- User location mapping (area busyness)
- Pin detailed display
- Current location pin
- Make pin dialog semi-transparent
- Match style of where to dialog
- Logout button
- Reset password page
 - Invalid link page
- SQA
 - User end testing
 - List of steps to follow to make sure features are working as expected (detailed test cases)
 - Create account delete account find pin etc
 - Unit tests
 - For views
 - Integration tests (when you test if units are working together properly)
 - Create Permanent pins

Version 1.0 - 14/12/2018

Document outline created, content added throughout the week

- Mansi

Version 1.1 - 15/12/2018

Content reviewed and final copy pushed onto Github

- Mansi, Ashaab