# 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 whereto 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