

# Testing Plan

## User Acceptance Testing

### Features:

#### Register:

- User Acceptance Test Cases:
  - Email Address should be a valid email address, not already registered
  - Username should be unique, and not contain any invalid characters
  - Password should fulfill requirements (8 characters, one number, one uppercase, one lowercase) and not contain any invalid characters
  - Password verification should be the same as initial password
  - All fields should be completed when register button is clicked.
  - Redirect to login upon success, refresh with error otherwise
- Test Data:
  - Data that fills all the requirements
  - Data with invalid characters
  - Data that does not fill all fields
  - Data that already exists
  - Data with different password to the verification
  - Data that other people (friends, other groups, etc.) would want to use to make an account
  - Example:
    - username, password - invalid
    - User23491, paSSw0rd33 - valid
- Test Environment:
  - CU Boulder network, accessed by local devices of the users we reach out to
- Test Results:
  - User feedback
  - Amount of error popups
- Testers:
  - Other friends, groups, etc.
  - TA

#### Create Review:

- User Acceptance Test Cases:
  - Review should be under 500 characters - optional description
  - Review should decide whether it is "horns up/down".

- Review requires valid session logged in
- Review cannot be submitted without a valid upvote/downvote selection.
- Test Data:
  - Reviews on existing dummy/created objects
  - Example:
    - Upvote while logged in - valid
    - Downvote while not logged in - invalid, redirect to login
    - Upvote with 300 character review - valid
    - Upvote with 501 character review - invalid, refresh with error
- Test Environment:
  - CU Boulder network, accessed by local devices of the users we reach out to
- Test Results:
  - User feedback
  - Amount of error popups
- Testers:
  - Other friends, groups, etc.
  - TA

## Create Item:

- User Acceptance Test Cases:
  - Item should have a name, description, and image, and must follow the terms of service
  - Do not allow item submission if anything is missing
- Test Data:
  - Items that users find and create
  - Examples:
    - A chair in the classroom with an image - valid
    - A bug off the internet with an image downloaded - valid
    - A random image with no description - invalid
    - A person with their name and description - invalid
- Test Environment:
  - CU Boulder network, accessed by local devices of the users we reach out to
- Test Results:
  - User feedback
  - Amount of error popups
- Testers:
  - Other friends, groups, etc.
  - TA