Testing Plan

Registration
- Register with email already in database
  - Test passes if registration is unsuccessful
- Register with passwords that do not match
  - Test passes if registration is unsuccessful
- Register with email that is not in database and with passwords that match
  - Test passes if registration is successful and stored in database

FriendNetwork
- Add a friend not in network
  - Test passes if add is successful
- Add a friend already in network
  - Test passes if add is unsuccessful and stored in database

ReportMaker
- Make report with one or less stored mood surveys
  - Test passes if report cannot be generated
- Make report with at least two mood surveys stored
  - Test passes if report is generated

HappinessGraphMaker
- Make graph with one or less stored mood surveys
  - Test passes if report cannot be generated
- Make graph with at least two mood surveys stored
  - Test passes if report is generated

DiaryService
- Make diary entry with no user input
  - Test passes if diary entry is not created and stored in database
- Make diary entry with user input
  - Test passes if diary entry is created and stored in database
- Look up diary entry for date with null diary entries
  - Test passes if error message is generated
- Look up diary entry for date with at least one diary entries
  - Test passes if all diary entries are presented

MoodSurvey
- If any field is left empty
    - Test passes if validation check prevents user from submitting survey
- If all fields are complete
    - Test passes if serialized object is stored in the database

Behavioral Suggestions
- If user does not have friends
    - Test passes if user receives suggestions from robot
- User has friends
    - Test passes if user is recommend the activities from his/her friend with the greatest average mood

WeatherSurvey
- If temperature is not entered
    - Test passes if validation check prevents user from submitting survey
- If temperature is entered
    - Test passes if the serialized object is stored in the database

SleepSurvey
- If duration is not entered
    - Test passes if validation check prevents user from submitting survey
- If duration is entered
    - Test passes if the serialized object is stored in the database

ActivitySurvey
- If description is not entered
    - Test passes if validation check prevents user from submitting survey
- If description is entered
    - Test passes if the serialized object is stored in the database

Cron Scheduler
- Test passes if system event occurs only at the specified cron

Feed
- Delete Post
    - Test passes if all conditions are meant: the post is removed from the feed, is removed from the database, and the post is replaced with a different post from the feed

- Post on Wall
  - Test passes if the post replaces a different post on the feed, and if the post is added to the database
- Comment on Post
  - Test passes if comment is saved to feed and database