

# NKUNet

## Test Plan

*Version: Iteration 3*

Revision History		
May 1, 2017	ISS Team	Initial version

Prior to Iteration 3, we have been including our test plan in the Design document. For this iteration, the Test Plan becomes its own document. For consistency, this same information can still be found in the Requirements Document.

1. System must compile without errors.
2. 95% of the following test cases must pass.
3. Test Cases for Iteration 1.
  - a. The Home Page displays the latest Questions that have been asked and a list of Forums.
  - b. A specific Forum is displayed when selected from the Home Page. The Forum will contain a list of Questions that have been posted.
  - c. A new Question can be entered into a Forum by supplying the Question Title and Question Description. The Forum will be refreshed automatically so that the Question is visible.
  - d. Attempting to add a Question without supplying a Question Title will leave you in enter mode for that Question.
  - e. Attempting to add a Question without supplying a Question Description will leave you in enter mode for that Question.
  - f. Selecting a Question will display the list of Answers for it.
  - g. A new Answer can be entered into a Question by supplying the answer text. The Question will be refreshed automatically so that the Answer is visible.
  - h. Attempting to add an Answer without supplying an Answer Text will leave you in enter mode for that Answer.
4. Test Cases for Iteration 2.
  - a. Up-vote on an answer is recorded. Display in forum and on User Page are updated.
  - b. Down-vote on an answer is recorded. Display in forum and on User Page are updated.
  - c. If a user votes on an answer multiple times, only the last vote is kept.
  - d. User Page is viewable. A User Page contains: classes where student is/was enrolled, reputation (number of questions posted, number of up-votes, number of down-votes), most recent questions posted, most recent answers posted and all resources posted.
  - e. User Page is reached by clicking User link on a Question.
  - f. User Page is reached by clicking User link on an Answer.
  - g. Question is editable by an Administrator.
  - h. Question is not editable if not an Administrator.
  - i. Question can be deleted by Administrator.
  - j. Question cannot be deleted if not an Administrator.

- k. When question is deleted, all answers under that question are also deleted.
  - l. When question is deleted, voting for all answers under that question are also deleted.
  - m. Answer is editable by an Administrator.
  - n. Answer is not editable if not an Administrator.
  - o. Answer can be deleted by Administrator.
  - p. Answer cannot be deleted if not an Administrator.
  - q. When answer is deleted, voting for that answer is also deleted.
5. Test Cases for Iteration 3.
- a. Class Page is viewable. A Class Page contains a list of sections.
  - b. Class Section Page is viewable. A Class Section Page contains: instructor and a list of registered students. Each of these is a link that the faculty/student's page.
  - c. Class Page is reached by clicking Class link on a User Page.
  - d. Class Section Page is reached by clicking Section link on a Class Page.
  - e. User Page now include Resources.
  - f. User can select Resource Upload to add a resource. Resources have a title and a blob area, which will hold a smallish file.
  - g. User does not have option of Resource Upload when viewing someone else's User Page.
  - h. Other users can view resource information when viewing User Page.
  - i. Search page is viewable. Search allows Users to find courses or questions.
  - j. Search can find courses by course name. A list of course sections is returned.
  - k. Search can find courses by instructor. A list of course sections is returned.
  - l. Search can find courses by a combination of course name and instructor.
  - m. Search can find questions by subject. A list of questions is returned.
  - n. Search can find questions by user. A list of questions is returned.
  - o. Search can find questions by post title. A list of questions is returned.
  - p. Search can find questions by keyword. A list of questions is returned.
  - q. Search can find questions by a combination of subject, user, post title and keyword.
  - r. Registrar can upload a file to load course information. The following tables may be updated:
    - i. Semester (if not already created)
    - ii. Course (if a new course)
    - iii. Section (if a new section)
    - iv. User and Student\_Section for students (Student name, email address, default password)
    - v. User and Section for faculty (Faculty name, email address, default password)
  - s. Administrator can add an Administrator.
  - t. Administrator can add a Registrar.
  - u. A User (Student, Faculty) cannot add an Administrator.
  - v. A User (Student, Faculty) cannot add a Registrar.
  - w. A Registrar cannot add a User (Student, Faculty).
  - x. A Registrar cannot add an Administrator.
  - y. A Registrar cannot add a Registrar.