

System and Unit Test Report

Product: TSR Assistant

Team: Drowning with Ducks

Date: 12/3/2017

Note: As a result of constraints that we were faced with when working inside an existing codebase, we have no proper unit tests - instead, all of our testing was functionally system testing with incremental changes.

Assumption for all tests: There exists a course with a professor and n number of members in it, where n is some integer. All members of a project have filled out their assigned TSRs.

- There exists a test database that upholds all of these assumptions (see Github).

Sprint 1:

- User Story 3: As an instructor I want to be able to see the analysis of existing TRS's in the GrepThink infrastructure to simplify where TSR's can be accessed.
- User Story 4: As a developer, I want to manipulate with a block of data within the GrepThink data.
- Scenario 1 - Tests User Story 3:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - Select View TSR tab.
 - Instructor should see a junk data string displayed above existing the TSR display.
- Scenario 2 - Tests User Story 4:
 - Team member logs into Grepthink.
 - Select class.
 - Select project.
 - Select TSR tab.
 - Select TSR that was not completed.
 - Fill out percent contributions for each team member.
 - Click submit.
 - Change numbers around to see if they all add up to 100.

Sprint 2:

- User Story 1: As an instructor, I would like to have a system that does numerical/statistical analysis on the TSR team member ratings so that I do not have to do them manually and save time.
- User Story 2: As an instructor, I would like to see if certain students have wildly different scores from their peers, so that I can check in on potential conflicts.
- User Story 3: As an instructor, I would like to know which teams and students require more attention.

- User Story 4: As an instructor, I would like to know if certain students are putting effort into their responses or have long grievances.
- Scenario 1 - Tests User Story 1:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - The Raw Analysis tab should be selectable. If so, select it.
 - There should be a text field display in the Raw Analysis tab.
 - Select View TSR tab.
 - The contribution scores should add up to 100.
- Scenario 2 - Tests User Stories 2, 3, 4:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - Select the Raw Analysis tab.
 - The instructor should be able to see reports of low and high word count feedback.
 - The instructor should be able to see reports of low and high scores.

Sprint 3:

- User Story 1: As an instructor, I would like to see an overview of the team member's health
- User Story 2: As an instructor, I would like to see an overview of the team's health.
- User Story 5: As an instructor, I want to see a graphical representation of the team's status
- User Story 6: As an instructor, I would like to have a flagging system I can manage.
- Scenario 1 - Tests User Stories 1, 2:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - The Graphical Analysis tab should be selectable. If so, select it.
 - In the Team Health section, there are two tables:
 - In the first table, each student has an Average Contribution number, as well as their status.
 - In the second table, there is a Team Status section that shows a text summary in a certain color of how the team is doing.
- Scenario 2 - Tests User Stories 5, 6:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - The Graphical Analysis tab should be selectable. If so, select it.

- Below the Team Health section, there are two graphs, and one table:
 - The Students' Contribution Scores Received graph shows all members in a team and their respective contribution score received for the selected TSR.
 - The Historical Averages graph displays the selected member's average contribution score received for each TSR.
 - The table shows Analysis Flag Details depending on the Student and TSR number. Each can be suppressed at the bottom to adjust the Team Status table in the Team Health section. At any point, the flags can be reset to its original listing with the Reset Flags button at the bottom of the table.

Sprint 4:

- User Story 2: As an instructor, I would like to only see flags relevant to the selected TSRs.
- User Story 4: As an instructor, I would like to have a pleasant viewing experience.
- Scenario 1 - Tests User Stories 2, 4:
 - Instructor logs into Grepthink.
 - Select class.
 - Select project.
 - Select the Graphical Analysis tab.
 - The colors of the graph should not be jarring.
 - Scroll down to the bottom of the page.
 - Select a different TSR for the flag reporting section.
 - The list of flags at the bottom of the page should reflect which TSR was chosen.
 - Check the box to the right of any flag.
 - Click the button that says submit.
 - The page should not refresh.
 - The selected flag should disappear.
 - Click the button that says reset flags.
 - The page should not refresh.
 - The removed flag should reappear.