

**Release Plan, TSR Assistant, Team Drowning with Ducks ,Working Release Name, 12/8/17,
Version 0.1 ,10/13/17**

High Level Goals:

- Be able to integrate system with existing GrepThink infrastructure
- Analyze numerical ratings provided by TSR's (flag outliers)
- Flag score discrepancies
- Flag TSR's that need extra review
- Flagging verbose or sparse responses
- Visualize problematic areas for TA's - image visualizations percentage of positivity or negativity for specific users and in general

Sprint 1 Goals: TSR Data Input and Output

- As a developer , I want to have full access to the TSR data in its native form.
 - Story Points: 5
 - Must Have
- 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.
 - Story Points: 6.5
 - Must Have

Sprint 2 Goals: Numerical and Statistical Analysis

- 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
 - Story Points: 3
 - Must Have
- As an instructor, I would like to see if certain student have wildly different scores from their peers, so that I can check in on potential conflicts
 - Story Points: 2
 - Should Have
- As an instructor, I would like to know which teams and students require more attention
 - Story Points: 5
 - Should Have
- As an instructor, I would like to know if certain students are putting effort into responses or have long grievances.
 - Story Points: 1
 - Could Have

Sprint 3 Goals: Data Visualization

- As an instructor , I would like to have a visual description of the TSR's, so that I can gain an intuitive feel of the team
 - Story Points: 13
 - Must Have

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- As an instructor I would like to see an overview of the team member's health
 - Story Points: 5
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- As an instructor I would like to see an overview of the team's health
 - Story Points: 2
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- As a developer, I would like to refactor and refine our analysis and flags
 - Story Points: 4
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- As a developer, I want to know what my limitations are on frameworks for rendering of data
 - Story Points: 5
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- As an instructor, I want to see a graphical representation of the team's status
 - Story Points: 8
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- As an instructor I would like to have a flagging system I can manage.
 - Story Points: 3
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Sprint 4

Goal: Use NLP techniques to extract key information from TSR's.

- As an instructor, I would like to be able to see simple summaries and general impressions of the content of a TSR, so that I know where my time should best be spent.
 - Story points:
 - Should Have

Product Backlog:

- Interactive with linking data visualization for reports
- Generate cumulative reports on teams
- Analyze histories of TSR's for specific teams(cross referencing)
- Color coded view of team status

