**JIRA Sentiment Analysis Dashboard**

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# **Overview**

The JIRA Sentiment Analysis Dashboard is an interactive web application for analyzing team sentiment and validation quality in JIRA issues and Gerrit code reviews. It provides visual insights, drilldowns, and validation flags to help teams improve communication and process quality.

# **Uploading Data**

* Upload your JIRA CSV or Excel file using the uploader at the top.
* (Optional) Upload a consolidated Gerrit comments JSON file for code review sentiment analysis.
* After upload, summary statistics and charts will be displayed.

# **Team Selection**

* Use the team selector in the top-right navigation bar to filter all data and charts by your team.
* All pages and charts will update to reflect the selected teams data.

# **Home Page Features**

* Summary Cards:
  + See total Bugs, Non-Bugs, and Gerrit entries for your team.
  + Click any card to jump to the detailed page for that category.
* Sentiment KPIs:
  + Positive % and Negative % for the selected team.
  + Click these to go to the Engineer Drilldown.
* Charts:
  + Pie Chart: Shows the proportion of Positive and Negative sentiment for the team (across bugs, non-bugs, and Gerrit).
  + Bar Chart: Shows the total number of negative sentiment items for each team member (bugs, non-bugs, and Gerrit combined).
  + Click any bar or pie section to drill down to the Engineer view for that member or sentiment.
* Detailed Table:
  + View all issues for the selected team.
  + Download the filtered data as CSV or Excel.

# **Engineer Drilldown**

* See a matrix of sentiment counts (positive/negative) for each team member, split by Bugs, Non-Bugs, and Gerrit.
* Click any cell to jump to the detailed Bugs, Non-Bugs, or Gerrit page, filtered for that member and sentiment.

# **Bugs & Non-Bugs Pages**

* Bugs Page:
  + Shows all bug issues reported by your team.
  + Filter by reporter or sentiment.
  + Columns include Issue Key, Status, Reporter, Sentiment, Negative Reason, Validation Flags, and Comment.
* Non-Bugs Page:
  + Shows all non-bug issues assigned to your team.
  + Filter by assignee or sentiment.
  + Columns include Issue Key, Assignee, Sentiment, Negative Reason, Story Points, Validation Flags, and Comment.

# **Gerrit Analysis**

* Shows all Gerrit code review comments for issues assigned to your team.
* Filter by author, team member, or sentiment.
* Columns include Patch Set, Author, Team Member, Line Number, Message, Sentiment, and Negative Keyword.

# **Validation Flags**

* High Story Points:
  + Non-bug issues with more than 8 story points are flagged.
* Missing Comment:
  + Non-bug issues with no comment are flagged.
* Follow-up Required:
  + Bugs with no comment and not in Open status are flagged.
* Negative Sentiment:
  + Any issue with negative sentiment is flagged.

# **Navigation Tips**

* Use the navigation bar to switch between Home, Engineer Drilldown, Bugs, Non-Bugs, and Gerrit pages.
* The navigation bar stays visible as you scroll.
* Use the team selector at any time to change the team context.

# **Best Practices**

* Always upload the latest JIRA and Gerrit files for up-to-date analysis.
* Use the drilldown features to identify team members or issues needing attention.
* Review validation flags to improve process quality and communication.

# **Support**

For questions or issues, contact your dashboard administrator or the development team.