BLACK SHEEP

PLAGIARISM DETECTOR

TEAM

- PRASHANT HAVANGI
- MANPREET KAUR
- PENG TONG
- ATHUL MURALIDHARAN

SYSTEM FUNCTIONALITY

- REGISTER

- LOGIN

- UPLOAD SUBMISSIONS

- PROJECT SIMILARITY STATISTICS

- CODE MATCH – SIDE BY SIDE COMPARISON

  - STRUCTURE MATCH

  - CODE MOVEMENT

  - COMMENTS MATCH

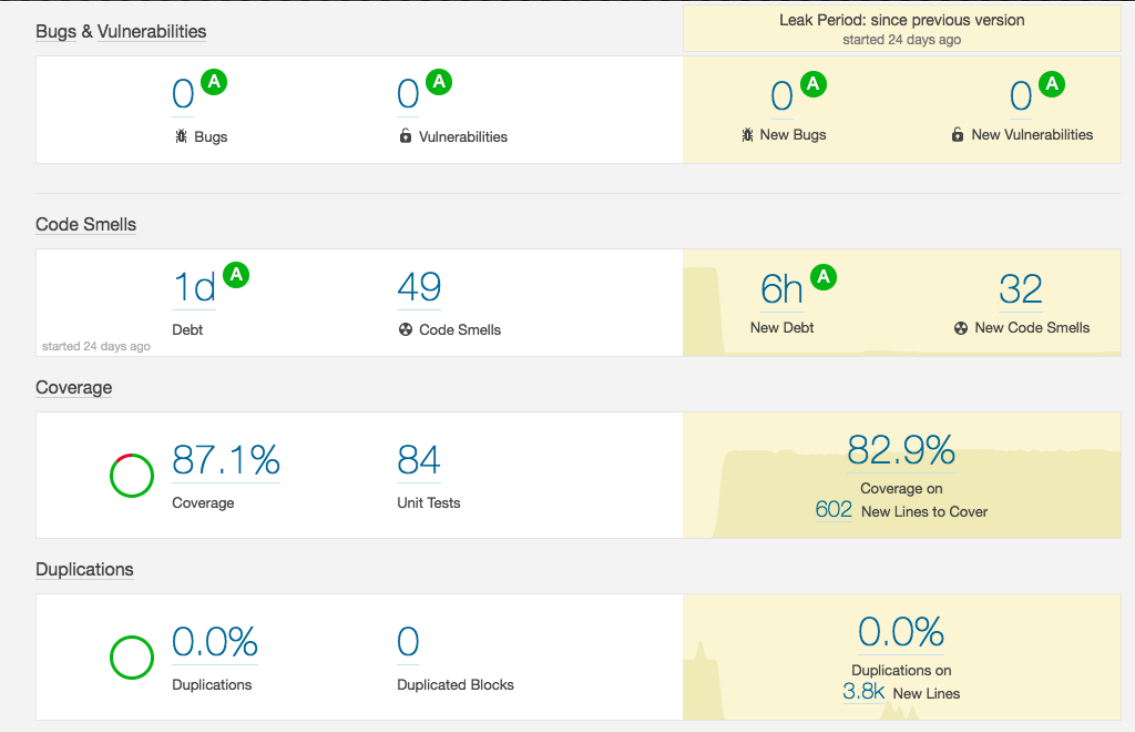# ACCOMPLISHMENTS

LIVE SYSTEM SUCCESSFULLY DEPLOYED ON AWS.

- USER FRIENDLY AND INTUITIVE UI AND UX.

- ROLE BASED LOGIN &VALIDATED REGISTRATION (INCLUDES EXISTING EMAIL CHECK)

- MULTIPLE SUBMISSIONS

- CHOICE BASED STRATEGY SELECTION

- VIEW THE RESULT AS A PERCENTAGE/VIEW DETAILED CODE MATCHES

KEY FEATURES

- ON DEMAND STRATEGY SELECTION.

- SIDE BY SIDE COMPARISON

- MATCH TYPE HIGHLIGHTED WITH COLOR IN CODE

QUALITY REPORT

Jenkins

SonarQube

TEAM WORK

- TEAM COMPOSITION:
  - 1 DEV OPS
  - 1 FRONT END DEVELOPER
  - 2 BACK END DEVELOPERS
- AGILE:
  - SPRINT 1: DAILY SLACK UP'S OF 15 MIN.
  - SPRINT 2/3: DAILY STAND UP MEETINGS OF 20 MIN.
  - PEER PROGRAMMING.

PROCESSES FOLLOWED

- TEST DRIVEN APPROACH
- PEER PROGRAMMING
- CODE REVIEWS
- JIRA
  - SMART COMMITS
  - SPRINTS
- CONTINUOUS INTEGRATION
  - JENKINS
- PULL REQUESTS
  - RESTRICTED ACCESS TO MASTER
- QUALITY GATE
  - SONARQUBE

TEAM CHALLENGES/RESOLUTIONS

- CHALLENGES
  - DIFFERENT IDEAS AND PERSPECTIVE.
  - INCLUSION OF FEATURES VS BUILD DEADLINE
  - REQUIRED SKILLS VS EXISTING SKILLS

- RESOLUTIONS:
  - EXTENSIVE DISCUSSIONS ON ALL IDEAS
  - FEASIBILITY/PROS AND CONS
  - DECIDING AS A TEAM
  - ACTUAL USER FEEDBACK

FUTURE UPDATES

- SECURITY
  - JWT TOKEN AUTHENTICATION
- STABILITY
  - BROWSER CRASH
  - SYNC TO AYSNC CALLS FOR STABILITY & EFFICIENCY

- BROWSER SUPPORT
  - FOR ALL BROWSERS AFTER NEXT RELEASE
- NEW FEATURE
  - FILE WISE COMPARISON IN ADDITION TO PROJECT WISE COMPARISON