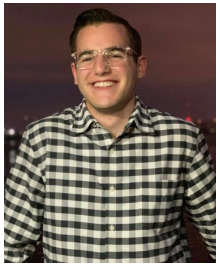
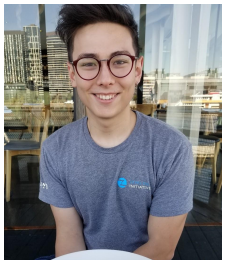
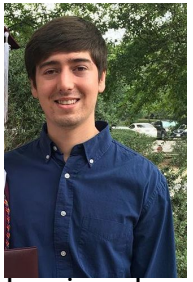
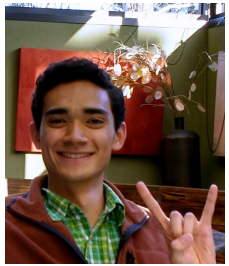
Triaging, Diagnosing, and Predicting Software Errors


Canyon Evenson


Michael Flanders

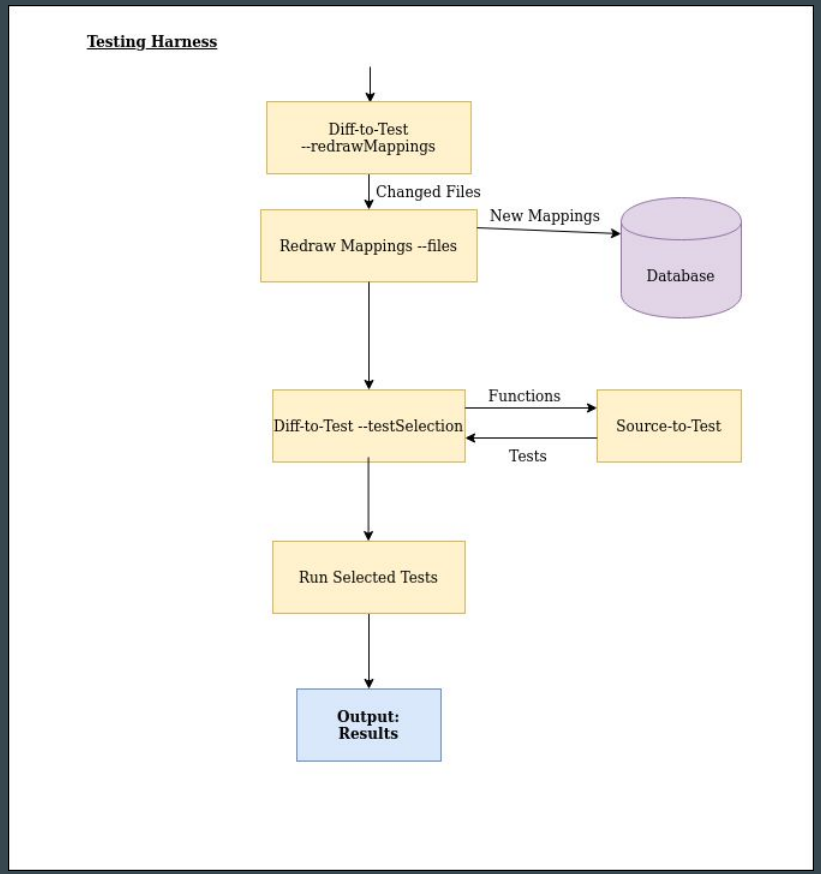

Jennings Inge

Saarila Kenkare


John Koelling

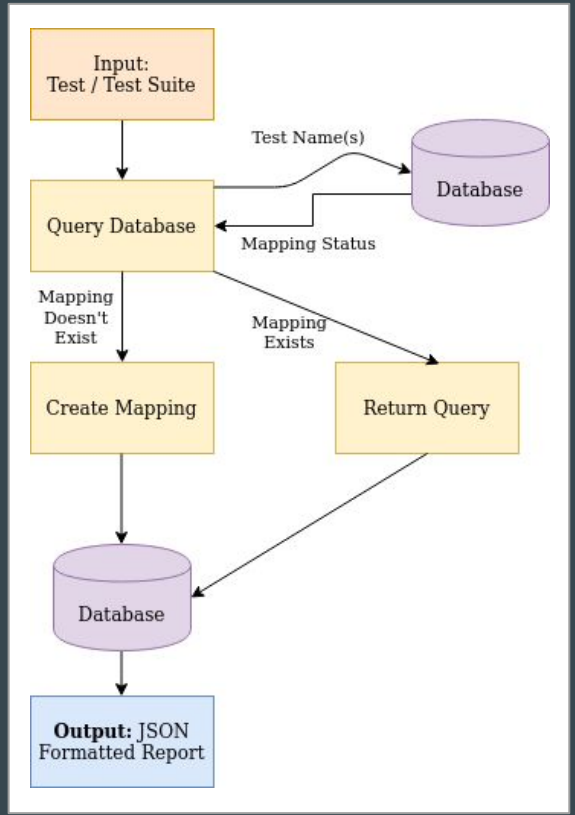
Janvi Pandya

Design Diagram



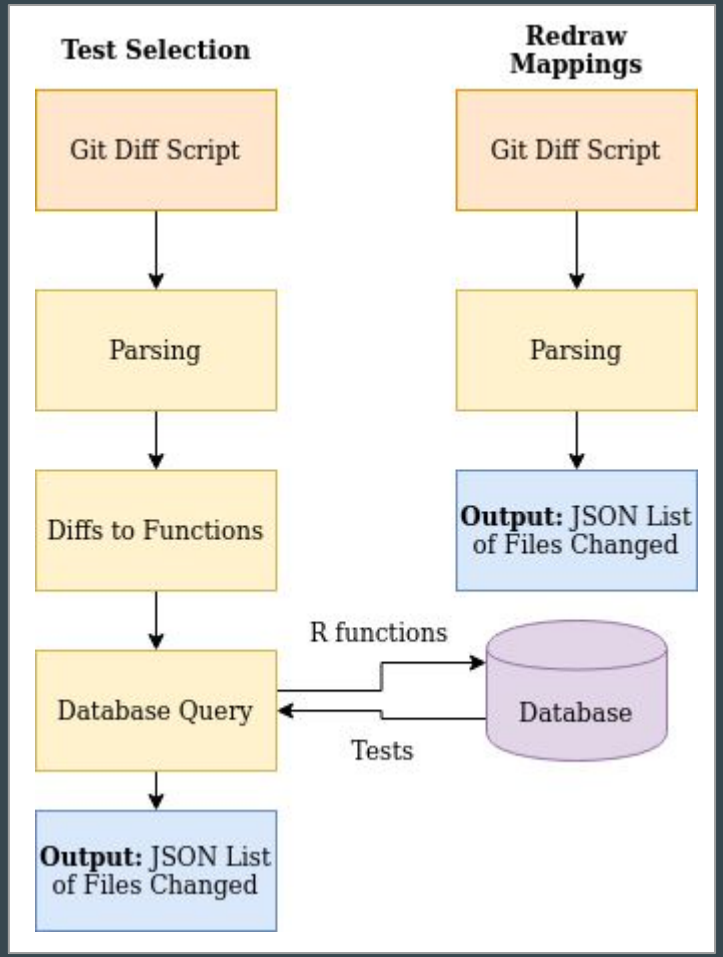
Test to Source

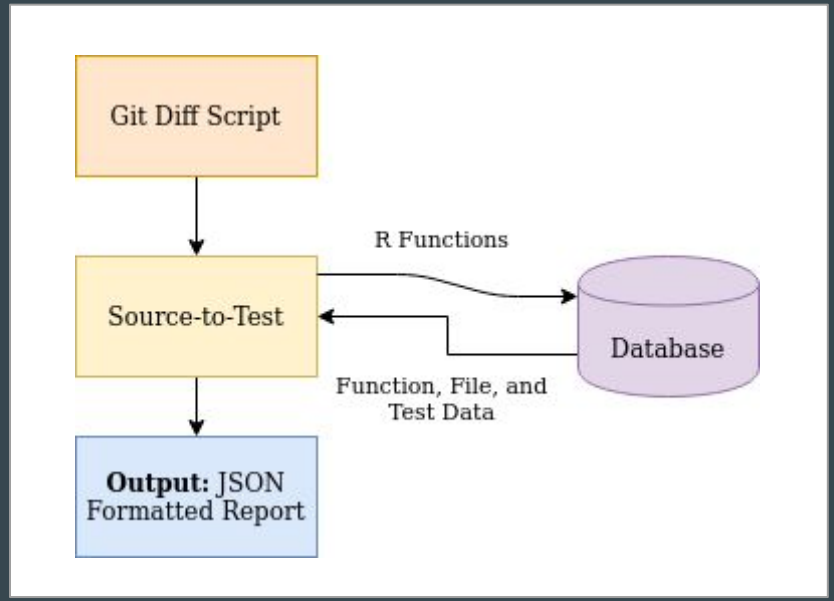
- Past approach
  - covr w/ python wrapper
- Current approach
  - Produce mappings using Python and R scripts
- Status Update
  - Completed modular functionality
  - Working on writing effective tests despite randomized ordering of source outputs
- Work Remaining
  - integrating w/ git diffs to determine if run is necessary



Git Diffs

- Current approach
  - Test selection and Redraw Mappings
- How far to completion
  - Proof of concept completed
- Open Issues
  - Integrating with git status, priority queue
- Status Update
  - Interacting with the database
- Team member contribution
  - John worked on Git integration
  - Janvi worked on MySQL interaction



Source to Test

- Current approach
  - Object Relational Mapping (ORM) design
- Status Update
  - Database interface
  - Testing
- Team member contributions