Project Proposal

CSE 403
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Motivation

– Test suites in large code base is hard to keep track of.
– Current code coverage tools, such as EclEmma, only provide coverage percentage metrics, which is not informative enough.
– A visualization of what and how modules are tested could help developer better understand the quality of the test suites, improving testing productivity.
• Proposed Approach
  – Emulate running test suites and analyze how modules are tested in each test case.
  – Test coverage visualization by displaying crucial paths of modules being tested in form of an illustrated map

• Challenges and Risks
  – UI Implementation
  – No Existing software to reference of this type/scale
  – Limited time
    • Design mistakes could cost the project