Lecture 8 – Mutation Testing (Homework)
AAA705: Software Testing and Quality Assurance

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- Mutation Testing

  - Fundamental Hypotheses

  - Overall Process

  - Mutation Generation

  - Kill vs Alive

  - Equivalent Mutants

  - How to Kill A Mutant

  - Scalability

  - Higher Order Mutants

  - Tools

- Test Flakiness

- Please see this document on GitHub:

  https://github.com/ku-plrg-classroom/js-mutest

- The due date is 23:59 on Apr. 15 (Mon.).

- Please only submit `impl.ts` file to **Blackboard**.

- You can implement your own mutation testing tool in any programming language (e.g., Python, etc.) from scratch without using it.

- However, you need to provide instructions on how to build and execute your mutation testing tool, and it should produce the exactly same set of mutants from a given JavaScript program and provide the mutation score of a given test suite.

- Regression Testing

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