



# Test Driven Development (TDD)

*All code is guilty until proven innocent!*

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- Sri Pavan Sesha Sai Rallapalli



# What is TDD?

- Creating unit test cases before developing the actual code.
- Iterative approach combining programming, unit test creation, and refactoring.
- Continuous design in small steps.



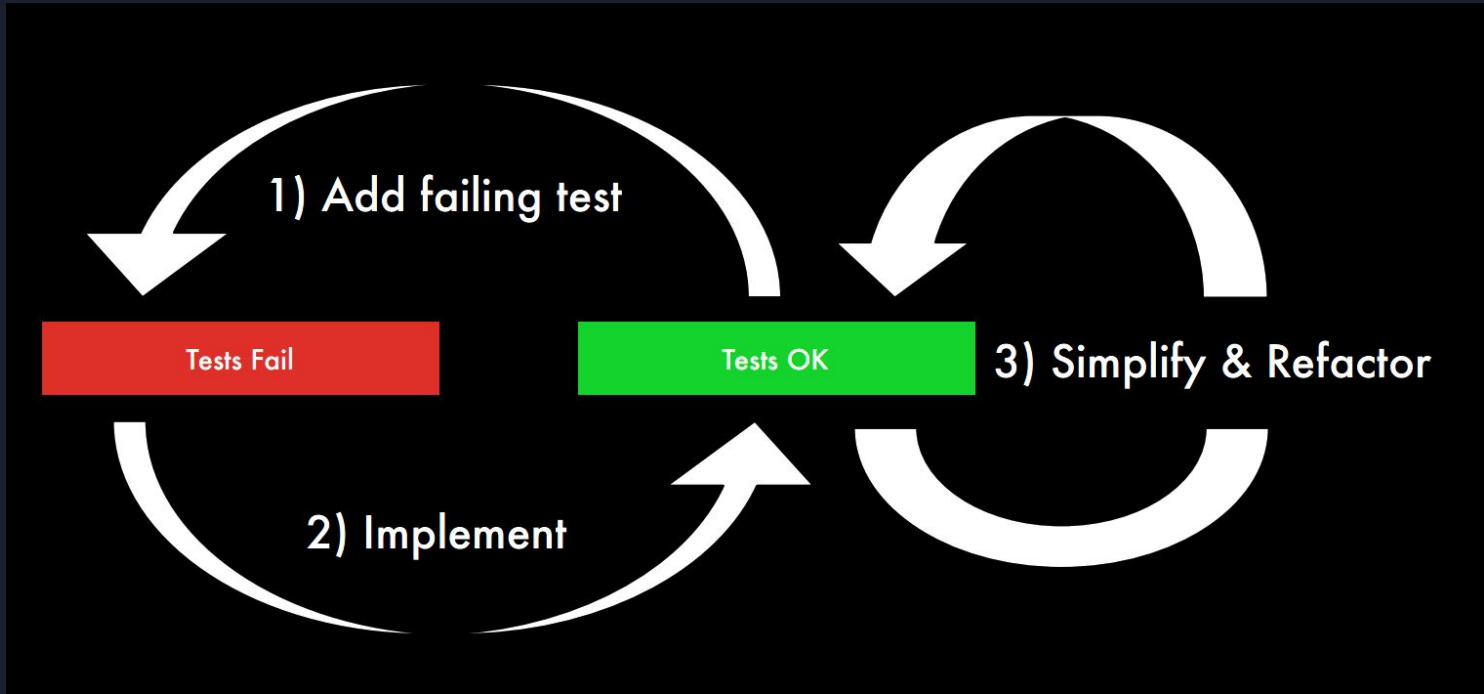
# Advantages of TDD

## Early Bug Detection and Prevention

- Improved Code Quality and Design
- Refactoring Safety
- Increased Confidence in Changes

## Regular Feedback

# TDD Life Cycle

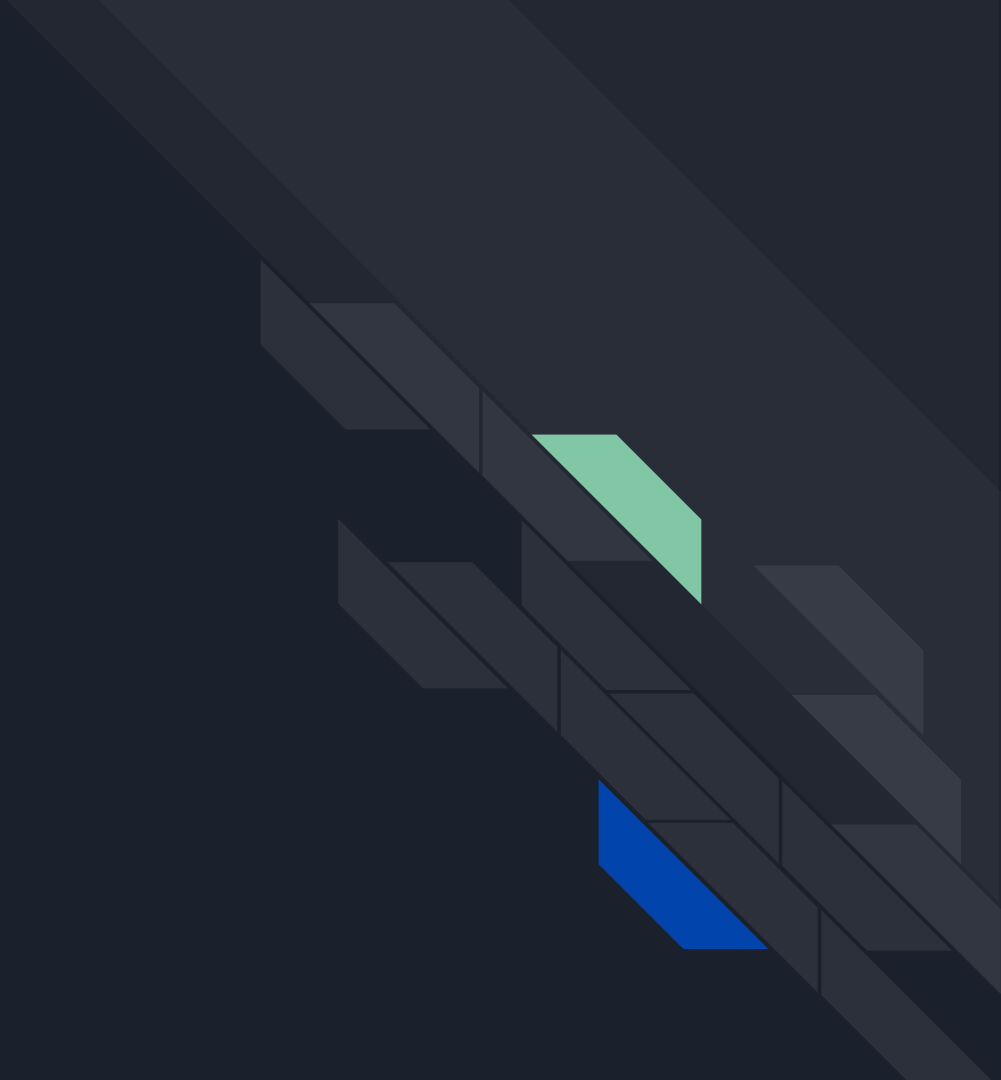




# Session Inbox

1. Collect all features/ideas/tests that are necessary to resolve your next programming task
2. Choose one item from the list and solve it using Test-Code-Refactor
3. Maintain inbox:
  - a. Add new ideas
  - b. Remove out-of-scope ideas
  - c. Add additional tasks that are necessary (e.g. refactorings)
4. If the inbox has open items, go to 2.
5. If the inbox is empty, review current code and tests

Demo





# Inbox for Job Manager Task

Idea: Develop APIs to Add, Delete and Find jobs

1. API to list all jobs
  - a. API should return OK 200 status.
  - b. API should return List
2. API to add a job
3. API to add multiple jobs
4. API to delete a job

Thank you :)

