# COEN 6761

# Software Validation and Testing

# Winter 2026

**Submitting to:**

**Prof. Yan Liu**

**Submitted by:**

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## Github Issues:

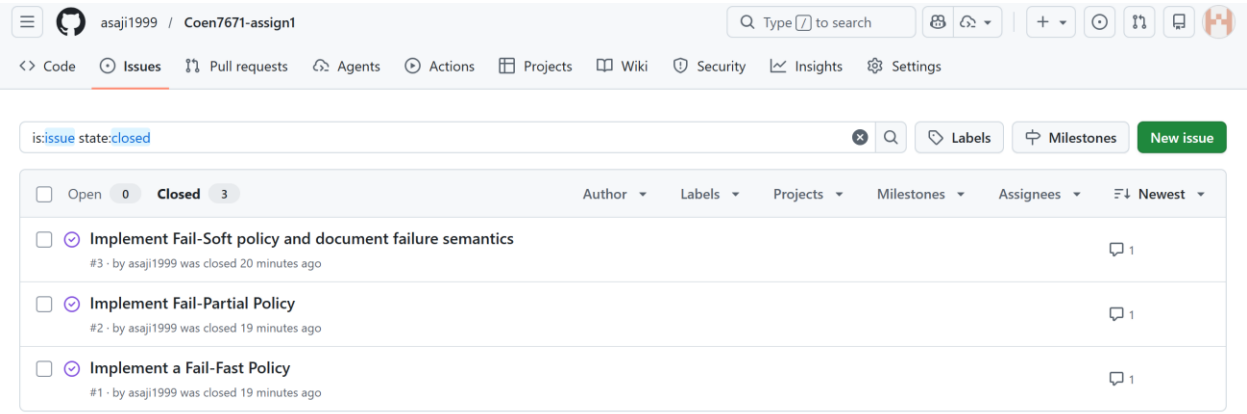
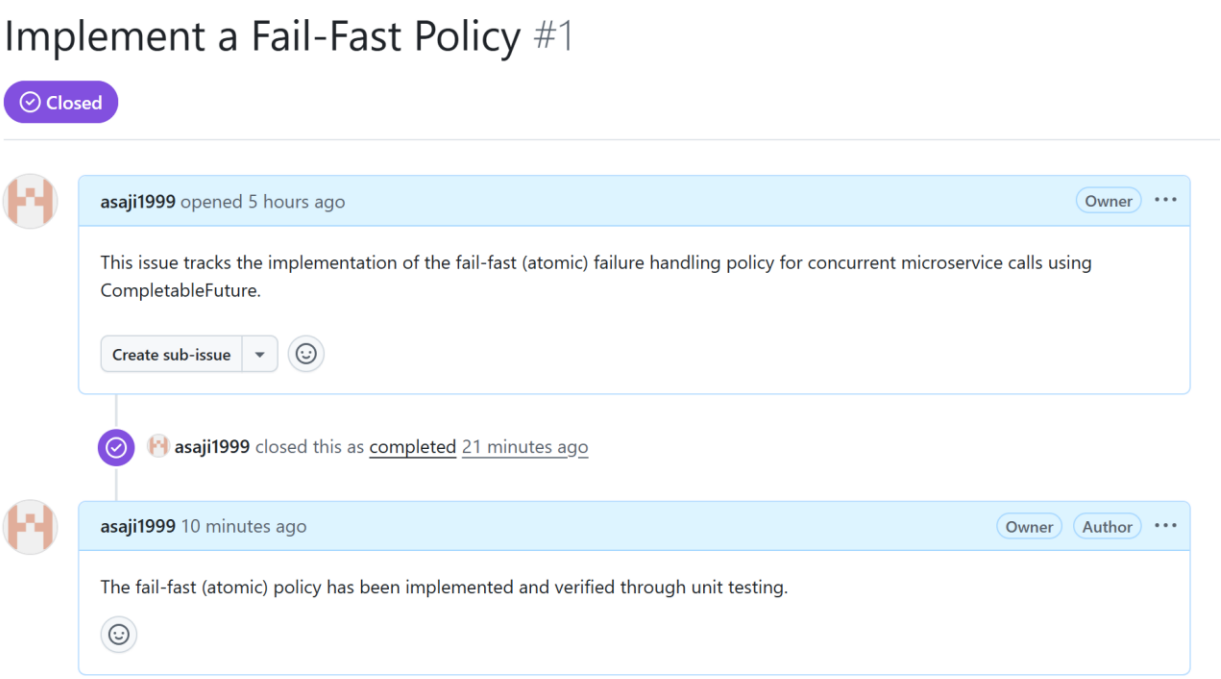
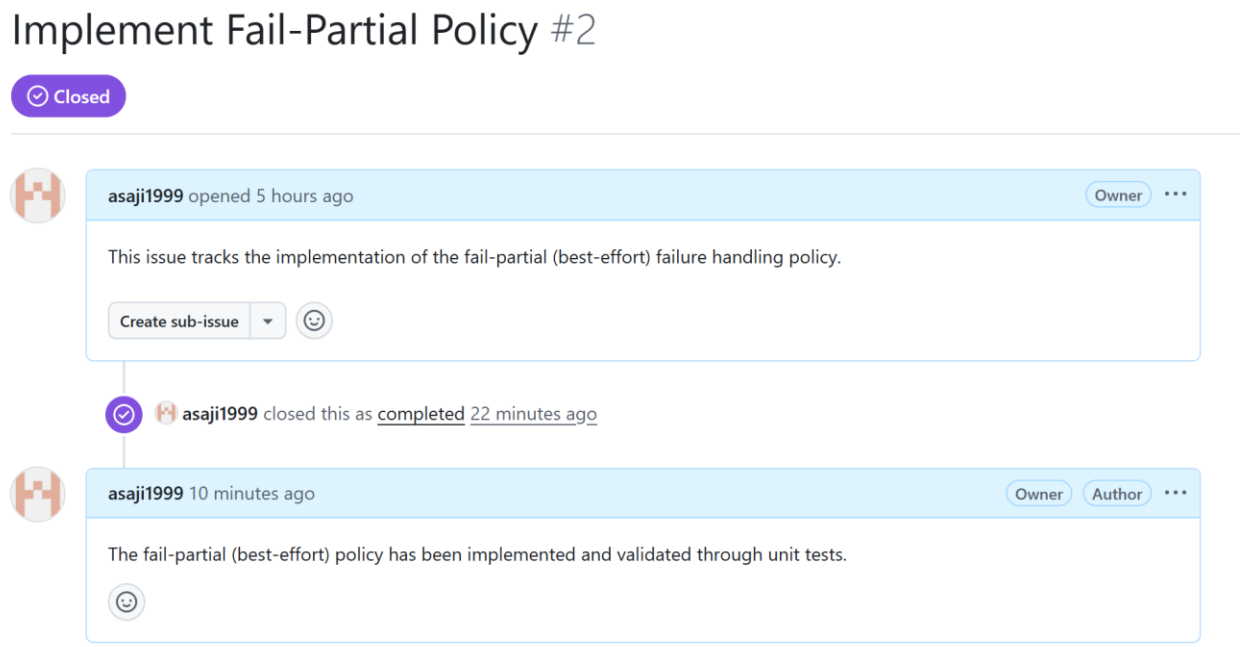



*Figure 1: GitHub issues created to track implementation of failure policies and documentation.*

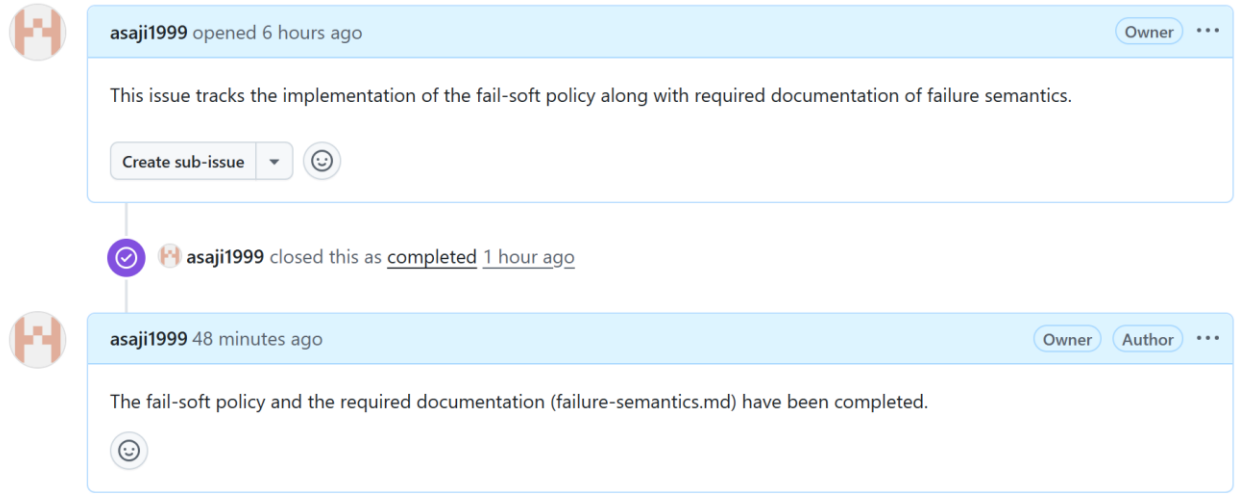
## Issue 1:



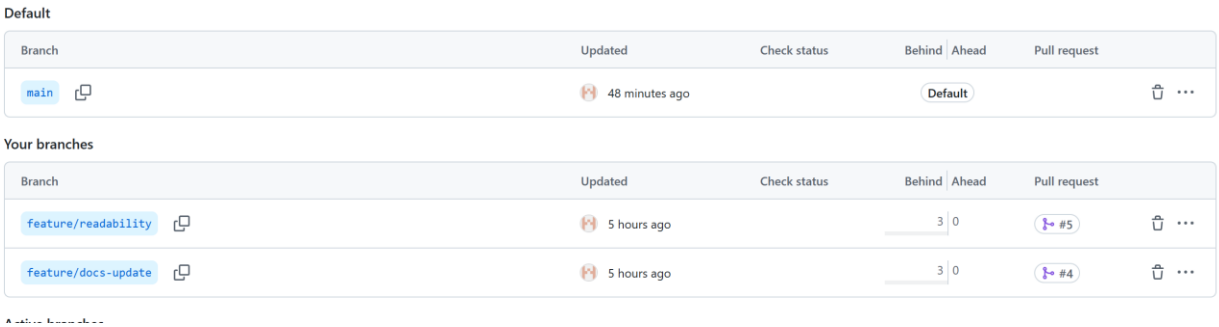
**Issue 2:**




**Issue 3:**

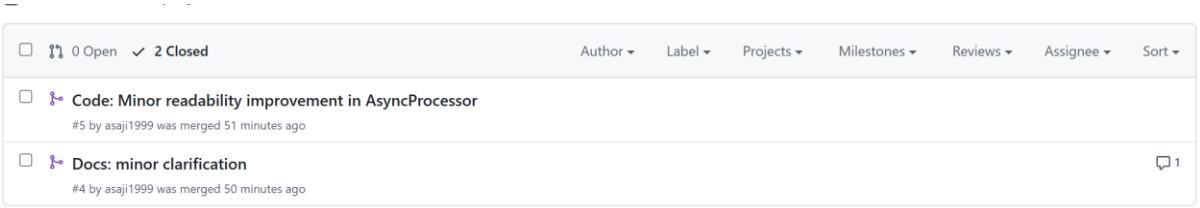


## Feature Branches:



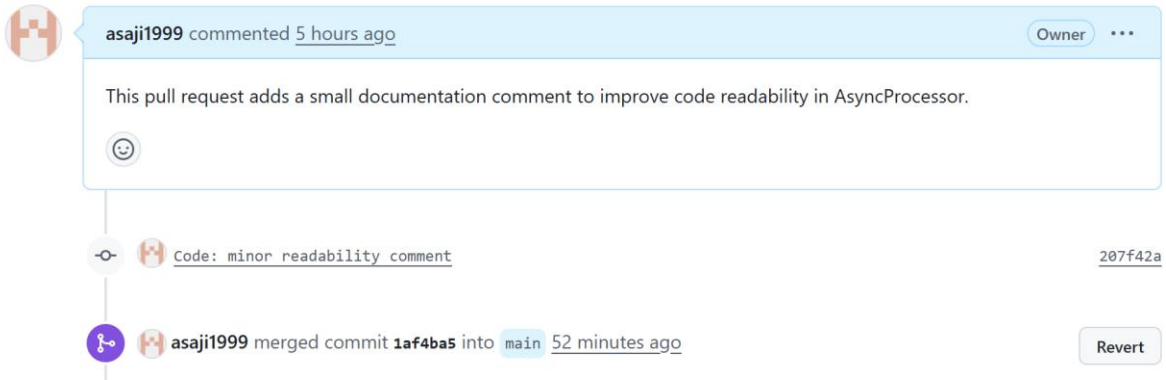

*Main branch and two Feature Branches.*

## Pull Requests:

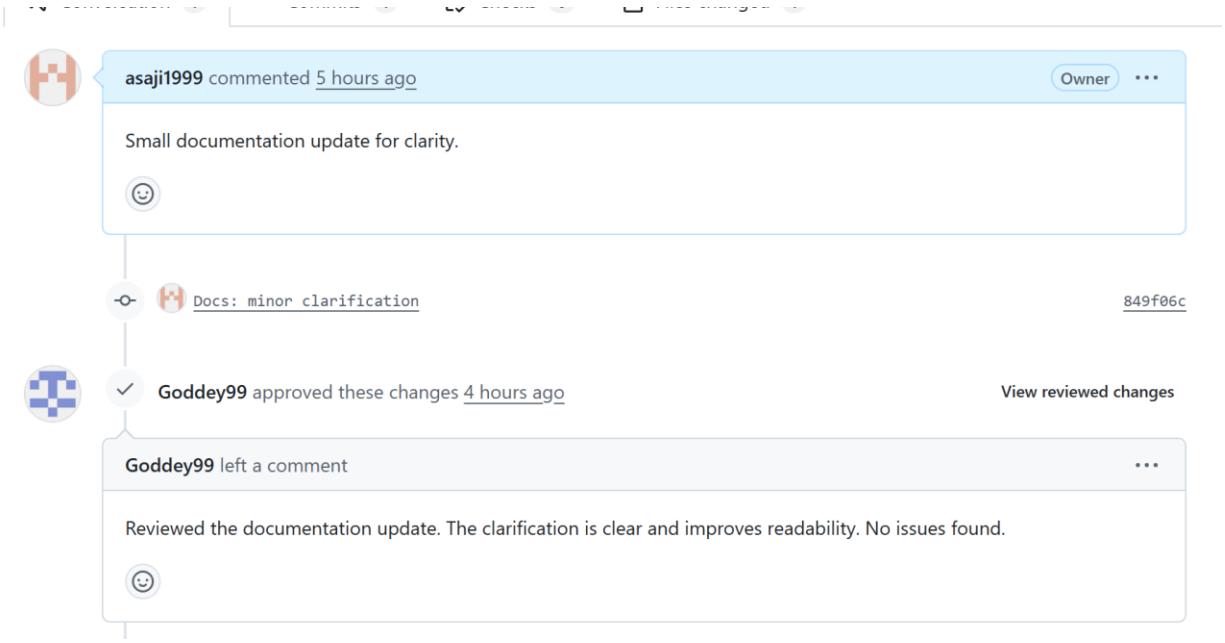



*Pull requests used to merge feature branches into main.*

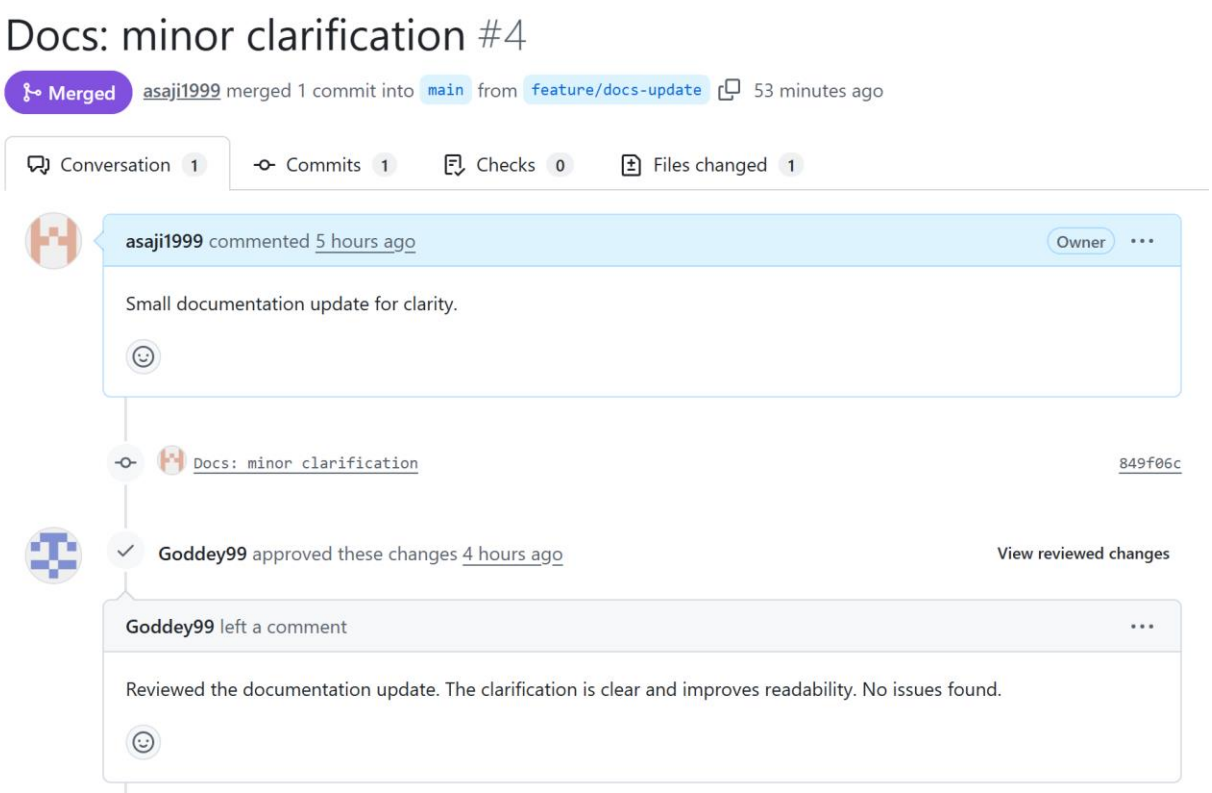
### PR # 1:



**PR# 2:**



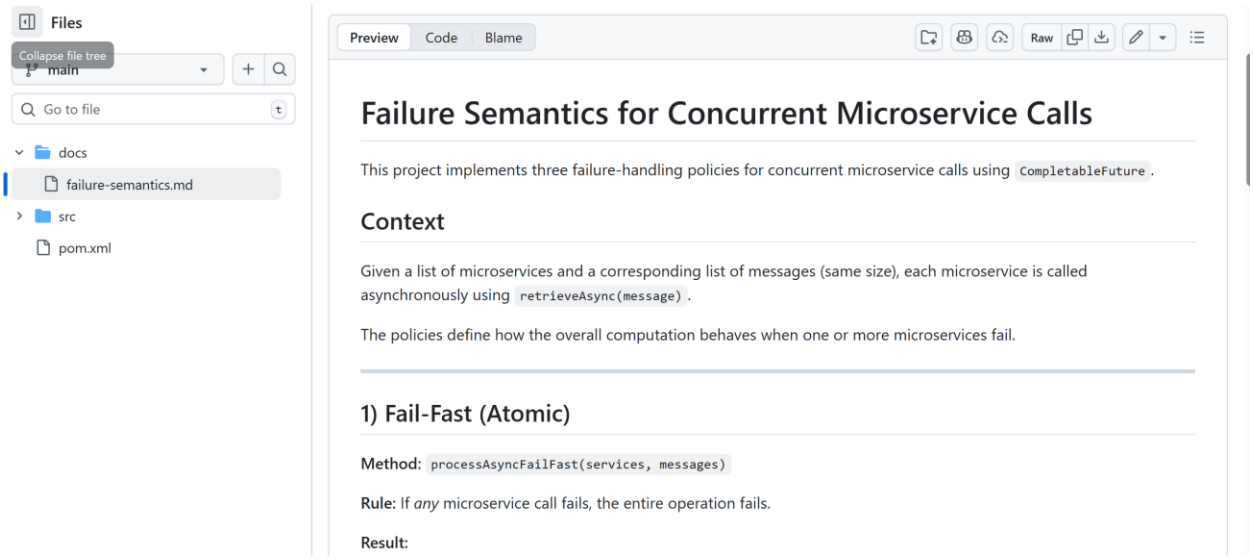

## Peer Code Review:



Peer review was done on Pull Request Docs:Minor Clarification by Godred.

## Failure Semantics:

A failure-semantics.md file was created in the docs folder. Below is a snapshot of it:




## AI Usage Claim:

The AI tool ChatGPT Version 5.2 was used for proofreading of failure-semaintics.md and guidance regarding markdown styling for .md files. Further it was used for reviewing of code and gaining insight on how to improve the code by the author. All code changes , decisions were done by the author whereas ChatGPT was used mostly as a learning aid and as a reviewing tool.

Prompts:

“For the code as given below, I need to differentiate between the three policies Fail-Fast, Fail-Partial, Fail-Soft. I have to create it in a .md file format , how should I structure it and inform me of the various markdown commands and tips to have a clean and neat .md report.”

“Explain fail-fast vs fail-partial vs fail-soft for the following assignment which I have uploaded as a pdf. How should I start , and what I should look out for each step.”