Jarom DePew

CSE 490R

5/28/2022

Week 5-6: Prog Dev: Test-Driven

Principle 1: Always write the least amount of code possible to clear the requirements.

Principle 2: Write Tests first, then code.

Principle 3: Review tests as you code.

Principle 4: Test one thing, but assert many things.

* What advantages as a developer does TDD provide?
  + This helps make sure you write solid code, don’t waste time with things that pop up later in the project, simplify you code so that it is not too complicated, helps give you an idea of what could possibly pop up later in the project.
* What steps do I do to implement TDD?
  + Write purposeful test you would need to implement to get your code working, write test you can automate as subtest, write your code while reviewing those test.
* What tools or software can I use to do unit testing?
* The best software for this application we are working on would be jest, it is the most popular in the JavaScript community, reason being is that it supports NodeJS, Angular, support typescript, easy to automate, can test for a wide variety of situations, etc.

Week 5-6 Status report

Score: 80

Overall Status: On schedule

Meetings:

I attended all meetings, one on one, group meeting, and meeting with the client for current status. We discussed about dropping our load because it is too much and dropping appendices. I remember that because my wife just had her appendix removed.

Stories Assigned: System Architecture, Appendices.

Number of Hours:16

Total number of hours this semester:51

Accomplishments:

* 1 Story point completed
* 5 Story points completed
* Personal Velocity: ~.375 points an hour
* Project Velocity 50/25
* Earned Value: .375 - .3 points an hour

Performance:

* Last week performance .15 points an hour
* This weeks performance .375 points an hour
* Challenges
  + I am finding my lack of knowledge in software development a big hurdle. I am better with numbers so this is a challenge for me.
* Plans/Goal/Tasking
  + I have no stories assigned to me.
  + I wanted to understand this project better now that I had access to it but I can only follow basic logic, I don’t know why there are node modules and things like that so I am going to have to learn the hard way it seems
* I will work with PM to help me get up to speed and contributing.