Best Practices Presentation|MINUTES

Meeting date | time *1/31/2022 8:10 AM -* 9:10 am

Meeting location: Virtual

# Attendees

|  |  |  |
| --- | --- | --- |
| Abraham Getachew | Dev Team |  |
| Alexander Dionne | Dev Team |  |
| Arsen Hakobyan | Dev Team |  |
| Chris Elliot | Project Manager |  |
| Emmanuelle Fontaine | Dev Team |  |
| Nahom Haile | Assistant Project Manager |  |
| Noah Loomis | Dev Team |  |
| Zhaojiang Zhong | Dev Team |  |

# Invited but Did Not Attend

Everyone Attended

# Subject

Demonstrate to Chris the best practices that we have researched for our Development Project II project.

# Discussion Topics

* When using vague diagrams, add some text to represent what they mean.
* Unit testing helps not only refactor your existing code, but also can help with the design of your code.
* Chris is thinking about doing a mini lecture on Unit testing, so everybody has a better understanding.
* SRP is important for OOD
* Unit testing enables you to think about ways you have code designed, and how to test the code.
* “Preventing bugs is impossible”
* Improve Moq example
* What to test after proposal implemented?
* A single workflow
* Systems that don’t normally interact, do, and you want to make sure testing is covered (integration testing)
* Where modules are coming together ie code from you and another developer come together
* Model can trigger viewstate logic, saying didn’t get proper data, something wrong with data I’m receiving, Model validation
* Model knows what model knows and what it expects
* Why do CI?
* Would benefit because when commit code don’t want to add things that would break code
* CI allows PL to say this failed and catches bad code before inserted into system
* Try using postman on CCS

# Decisions

|  |  |
| --- | --- |
| D1 | Team to discuss which best practices will be implemented in CCS |
| D2 | Decided on using the following best practices for our project:  1. Single Responsibility Principle  2. Don't Repeat Yourself (DRY)  3. Unit Testing  4. Integration Testing  5. Model Validation  6. DB Failures  7. CICD and Pipelines  8. CSRF Proof  9. Sanitizing Input  10. Code Review |

# Actions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A1 | Nahom | Add the best practices decided as tasks in the backlog | Open | 2022-02-02 |
| A2 | Team - Nahom | Prioritize the backlog and assign tasks | Open | 2022-01-31 |

# Follow up and next steps

* Send minutes to Chris
* Send Chris group memo with confirmation of what we plan to do for the refactor half sprint
* Send refactor commit email