CTP Best Practices Presentation |MINUTES

Meeting date | time 1/31/2022 9:15 AM to 9:55 AM

Meeting location Discord

# Attendees

|  |  |  |
| --- | --- | --- |
| Cameron Radmore  Christopher Elliot | Dev Team  Project Manager |  |
| David House | Assistant Project Manager |  |
| Francis Manning | Dev Team |  |
| Kyle Radmore | Dev Team |  |
| Santiago Cifuentes | Dev Team, Scribe |  |
| Serge Arseneault | Dev Team |  |
| Shuai Yan | Dev Team |  |
|  |  |  |

# Invited but Did Not Attend

N/A

# SubjecT

Presented the best practices to follow for the CTP project to the project manager.

# Discussion Topics

**Presentation comments:**

* **Single Responsibility Principle**
  + The principle is not intuitive at first
  + It only makes software easier to implement once you understand the principle well
  + Something to keep in mind
* **CI/CD and Pipelines**
  + You have to make sure that the code does not cause issues with other’s code
  + Beneficial because you don’t have to worry about integrating the software
  + Downside is deploying software into an untested environment
* **Don’t Repeat Yourself (DRY)**
  + Is a principle in OOD
  + Only one method needs to be maintained instead of multiple
* **Model Validation**
  + Making sure the model enforces its parameters
* **Defending Overposting**
  + Not going to be implemented
* **DB Failures**
  + You don’t want the DB to fail
  + Giving the DB some chance giving the importance of the return value
* **Sanitizing Input**
  + You want to stop data contamination before it even starts
  + System is very sensitive
* **General presentation comments**
  + Reference any graphic taken from the internet
  + Give more context, in case people are not aware of topic
  + Important to start high in the abstraction level and go down

**Best practices project implementation size estimations:**

DI **= Small**

SRP **= Medium**

**CI/CD = Small**

**DRY = Medium**

**Unit Testing (MOQ/DI) = Big**

**CSRF Proof = Small**

**Model Validation = Medium**

**Integration Testing = Big**

**DB Failures = Medium**

# Decisions

|  |  |
| --- | --- |
| D1 | Implement DI |
| D2 | Implement SRP |
| D3 | Implement DRY |
| D4 | Implement Unit Testing (MOQ/DI) |
| D5 | Implement CSRF Proof |
| D7 | Implement Model Validation |
| D8 | Implement Integration Testing |
| D9 | Implement DB Failures |
| D10 | Don’t Implement Overposting |

# Actions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A1 | Serge Arseneault | Complete Process Memo | Open | January 31, 2022 |
| A2 | David House | Commit Email | Open | January 31, 2022 |
| A3 | Kyle Radmore | Add Best Practices tasks in Azure | Closed | January 31, 2022 |
| A4 | Santiago Cifuentes | Complete Meeting Minutes | Closed | January 31, 2022 |

# Follow up and next steps

* No follow up