**Task Report**

**Python Validation Model**

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### **Version history**

|  |  |  |
| --- | --- | --- |
| **Revision** | **Changes** | **Date** |
| 0.1 | Published | 24-04-2022 |
| 0.2 | Footer cleanup, contributors listed | 24-04-2022 |
|  |  |  |

### **Introduction**

### Overview

This document serves as the completion report for two-part task, which consisted of creating:

1. validation model and CLI application for managing test records, with proper documentation
2. Python application, with validation planned using above model and application

### Source code

All files created for the purpose of this task can be found at <https://github.com/dlukaszx/Project>

### **Contributors**

### List of contributors

* Dawid Łukaszewski
* Marta Czaja
* Piotr Skierkowski

### Initial task division

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Dawid | Marta | Piotr |
| Validation model |  | X |  |
| CLI app for the model (all) |  |  | X |
| Model documentation |  | X |  |
| Python app to be tested | X |  |  |
| Testing scope | X | X | X |
| Test execution | X | X | X |
| Completion report |  | X |  |

### **Challenges**

### Solved

### Python version issue

Development of apps was initially split between Python version 3.6 and 3.10. As task clearly listed 3.6 version we opted to downgrade to unify the code and ensure compatibility.

### Modeling upwards vs downwards

One of the things considered was keeping child data in parent record (e.g. all related Test Cases listed in Test Case Description). However, since TC has to be related to single TCD it was more efficient to ask for parent TCD ID upon TC creation and store the value in TC record. Same rule applies to TC-TR and Cycle-TR: they are all one-to-many relations.

### x

### Unsolved

### x

### x

### **Sources**

### x

### x

### **Ideas for future development**

### x

### x

### **Completion report**

### Validation model application

x

### Hangman – Python application to be tested

x

### Final task division

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Dawid | Marta | Piotr |
| Validation model |  | X |  |
| CLI app (framework) |  |  | X |
| CLI app (excel integration) |  |  | X |
| CLI app (relations) |  |  | X |
| CLI app (record display) |  | X |  |
| Model documentation |  | X |  |
| Python app to be tested | X |  |  |
| Testing scope | X | X | X |
| Test execution | X | X | X |
| Completion report | X | X | X |

### x

### **Retrospection**

### What went well

* X
* X
* X

### What needs improvement

* X
* X
* X