INDIVIDUAL ANALYSIS REPORT

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DELIVERABLE 4

DESING AND TESTING 2

2023-2024

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| --- | --- |
| Date | Version |
| 07/06/2024 | V1.0 |
| 07/07/2024 | V2.0 |

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GitHub repository: <https://github.com/JesusFern/Acme-SF-D04>

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# Executive Summary

The analysis report presented here provides a thorough summary of the findings and conclusions resulting from the work conducted on Acme. The primary focus of this analysis was to clarify the tasks involved.

# Revision Table

|  |  |  |
| --- | --- | --- |
| Revision Number | Date | Description |
| v1r0 | 07/06/2024 | First revision with some mistakes |
| V2r0 | 07/07/2024 | Final revision |
|  |  |  |

# Introduction

This analysis document seeks to summarize the procedures that have been followed to execute the tasks.

# Contents

# In this delivery, I performed various tasks, such as:

# - T-I2-Testing-Contract: I took care of conducting the tests related to Contract, namely: Create, Delete, Update, Publish, ListMine, and ListAll. It was challenging, and it took me a bit of time to get the hang of it, but gradually it became easier for me.

-T-I2-Testing-ProgressLog: I handled the tests related to ProgressLog, namely: Create, Publish, ListAll ,Delete, Update, and ListMine. It was a bit less complicated than Contract since I had already gotten the hang of it, but I encountered quite a few issues with authorization, which further extended the time.

-T-I2-Fix-Student2: What I mainly did was fix the issues from the review. The most notable and challenging part for me was in the publish contract section, where I didn't understand how to compare a double type representing hours with a Money type. Therefore, I decided to create a converter from hours to Money, establishing that 150 EUR is equivalent to one hour (I found this information through research, noting that in a software project, this was the approximate rate). Then, the Money type is converted again using constant values to compare between different currencies (only USD, EUR, and GBP are accepted). I understand there might be better approaches, but I discussed with colleagues from other groups and sought advice (many suggested using a double type and leaving it at that, but I considered that budget, as I asked the client, was a Money type). I saw that a student asked this same question on the forum, but the client's response didn't quite address the query, so I chose to use this method.

# Conclusion

In this iteration, I focused on fixing the issues from the review, particularly the challenges in the publish contract section. Understanding how to compare a double type representing hours with a Money type was initially confusing. To address this, I created a converter that establishes 150 EUR as equivalent to one hour, based on industry research. This Money type is then converted using constant values to facilitate comparison across different currencies (USD, EUR, GBP). Although there might be better approaches, I consulted with colleagues and decided on this method, as the budget, according to the client, is a Money type.

Additionally, I thoroughly tested the contract and progress-log functionalities to ensure they operate correctly and meet the required specifications. This comprehensive approach aimed to address the identified issues and enhance the overall reliability of the system.

# Bibliography

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