DP2 2023-2024
Analysis Report

Acme Software Factory

Repository: https://github.com/rafcasceb/Acme-SF-D02

Members:

- Castillo Cebolla, Rafael   rafcasceb@alum.us.es
- Flores de Francisco, Daniel   danflode@alum.us.es
- Heras Pérez, Raúl   rauherper@alum.us.es
- Mellado Díaz, Luis   luimeldia@alum.us.es
- Vento Conesa, Adriana   adrvencon@alum.us.es

GROUP C1.049

Version 1.2

19-02-24

Content Table

Abstract

In this document, an analysis of the different requirements developed regarding the second deliverable will be analyzed.

Abstract

Revision Table

Date	Version	Description of the changes	Deliverable
29/02/2024	1.0	• Initial version of the document • Content written.	2
08/03/2024	1.1	• Format fixing.	2

Introduction

This document will include a brief analysis of the project and the individual requirements related to the deliverable D02. The structure of it has been determined following the guidelines provided in the Virtual Learning platform, in the document called "08 Annexes".

As part of the work to be done regarding "Acme Software Factory", the individual work consists in the creation of three entities: Training Module, Training Sessions and Developer dashboard.

Regarding testing, I am asked to produce assorted data to test the application.

In the following section the requirements will be discussed, and finally, a conclusion will sum up the document.

Contents

A **training module** consists of one or several short-term training activities aimed at extending or updating knowledge and skills related to the topic of a **project**. The system must store the following data about them: a **code** (pattern "[A-Z]{1,3}-[0-9]{3}", not blank, unique), a **creation moment** (in the past), some **details** describing the training module (not blank, shorter than 101 characters), a **difficulty level** ("Basic", "Intermediate", or "Advanced"), an optional **update moment** (in the past, after the creation moment), an **optional link** with further information, and an estimated **total time**.

This requirement was overly clear except for **total time** attribute. This was due to the initial lack of information in the requirement itself, as it did not specify what measure of time was referring to (hours, days, months…).
This doubt was asked in the forum, although it had been asked before. The resolution was modelling the total time to represent hours, using Integers.
The link of the original post can be found here, and the link to my post can be found here.

Each **training module** is made up of **training sessions**. The system must store the following data about them: a **code** (pattern "TS-[A-Z]{1,3}-[0-9]{3}", not blank, unique), a time **period** (at least one week ahead the training module creation moment, at least one week long), a **location** (not blank, shorter than 76 characters), an **instructor** (not blank, shorter than 76 characters), a mandatory **contact email**, and an **optional link** with further information.

No conflict was found.

The system must handle **developer** dashboards with the following data: total number of **training modules** with an **update moment**; total number of **training sessions** with a **link**; average, deviation, minimum, and maximum **time** of the **training modules**.

No conflict was found.

Testing requirements.

Produce assorted sample data to test your application informally. The data must include two **developer** accounts with credentials "**developer1/developer1**" and "**developer2/developer2**".

No conflict was found.

Supplementary requirements

Information requirements.

There is a new project-specific role called **developer**, which has the following profile data: **degree** (not blank, shorter than 76 characters), a **specialisation** (not blank, shorter than 101 characters), list of **skills** (not blank, shorter than 101 characters), an **email**, and an **optional link** with further information.

No conflict was found.

Managerial requirements

Produce a UML domain model.

No conflict was found.

Produce an analysis report.

No conflict was found.

Produce a planning and progress report.

No conflict was found.

Conclusions

The requirements involving this deliverable resulted in some conflicts that were successfully solved via the forum without any further trouble.

Bibliography

Intentionally blank.