Requirements – Student #2

Please, fill in the following form, save this document, and attach it to every deliverable. Attaching this document entails that you are the author of the work delivered, you have not cheated in any way, and you have read and understood the information delivered regarding the subject, with a special emphasis on the methodological guidelines and how your work is going to be graded. Make sure that your project works well with the latest version of the development framework.

Group: C1.004

Repository: https://github.com/DP2-G004/Acme-SF-D01

Student #2

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Roles: role1, role2, role3

Date: Seville February 16th, 2024

MANDATORY Deliverable D01: introduction

Information requirements

Intentionally blank.

Functional requirements

1) Modify the anonymous menu so that it shows an option that takes the browser to the home page of your favourite web site. The title must read as follows: "⟨id-number⟩: ⟨surname⟩, ⟨name⟩", where "⟨id-number⟩" denotes your DNI, NIE, or passport number, "⟨surname⟩" denotes your surname/s, and "⟨name⟩" denotes your name/s.

X

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D02: data models

Information requirements

2) A **contract** is one or several agreements between the stakeholders involved in the development 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), an **instantiation moment** (in the past), a **provider name** (not blank, shorter than 76 characters), a **customer name** (not blank, shorter than 76 characters), some **goals** (not blank, shorter than 101 characters), and a **budget** (less than or equal to the corresponding project cost).

    X

3) Every **contract** has an evolution that is composed of **progress logs**. The system must store the following data about them: a **record id** (pattern "PG-[A-Z]{1,2}-[0-9]{4}", not blank, unique), a percentage of **completeness** (positive), a **comment** on the progress (not blank, shorter than 101 characters), a **registration moment** (in the past), and a **responsible person** for the registration (not blank, shorter than 76 characters).

    X

4) The system must handle **client** dashboards with the following data: total number of **progress logs** with a **completeness** rate below 25%, between 25% and 50%, between 50% and 75%, and above 75%; average, deviation, minimum, and maximum **budget** of the **contracts**.

    X

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

5) Produce assorted sample data to test your application informally. The data must include two **client** accounts with credentials "**client1/client1**" and "**client2/client2**".

    X

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D03: implementing features

Information requirements

Intentionally blank.

Functional requirements

6) Operations by **clients** on **contracts**:

- List the **contracts** that they have created.
- Show the details of their **contracts**.
- Create, update, or delete their **contracts**. **Contracts** can be updated or deleted as long as they have not been published. For a **contract** to be published, the sum of all budgets cannot exceed the total cost of the corresponding **project**.

> X

7) Operations by **clients** on **progress logs**:

- List the **progress logs** in their **contracts**.
- Show the details of their **progress logs**.
- Create and publish a **progress log**.
- Update or delete a **progress log** as long as it is not published.

> X

8) Operations by **clients** on **client** dashboards:

- Show their **client** dashboards.

> X

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D04: formal testing

Information requirements

Intentionally blank.

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

9) Produce a test suite for Requirements #6 and #7.

Managerial requirements

10) Produce a testing report.

SUPPLEMENTARY Deliverable D01: introduction

Information requirements

Intentionally blank.

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

11) Produce an analysis report.

> X

12) Produce a planning and progress report.

SUPPLEMENTARY Deliverable D02: data models

Information requirements

13) There is a new project-specific role called **clients**, which has the following profile data: **identification** (pattern "CLI-[0-9]{4}", not blank, unique), a **company name** (not blank, shorter than 76 characters), **type** (not blank, either "company" or "individual"), an **email** (not blank), and an **optional link** with further information.

X

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

14) Produce a UML domain model.

15) Produce an analysis report.

16) Produce a planning and progress report.

SUPPLEMENTARY Deliverable D03: implementing features

Information requirements

Intentionally blank.

Functional requirements

17) Operations by anonymous principals on user accounts:

- ▪ Sign up to the system and become a **client**.

> X

18) Operations by **clients** on user accounts:

- ▪ Update their profiles.

19) Operations by any principals on **contracts**:

- List the **contracts** in the system that are published.
- Show the details of the **contracts** that they can list (including their **progress logs**).

> X

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

20) Produce an analysis report.

21) Produce a planning and progress report.

22) Produce a lint report.

SUPPLEMENTARY Deliverable D04: formal testing

Information requirements

Intentionally blank.

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

23) Produce an analysis report.

24) Produce a planning and progress report.