

Requirements – Student #2

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Group: C1.049

Repository: <https://github.com/rafcasceb/Acme-SF-D04>

Student #2

ID Number:

UVUS: danflode

Name: Flores de Francisco, Daniel

Roles: Developer, Analyst, Tester

Date: Seville February 16, 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.

X

Managerial requirements

10) Produce a testing report.

X

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.

X

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.

X

- 15) Produce an analysis report.

X

- 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.

X

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.

X

22) Produce a lint report.

X

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.

X

24) Produce a planning and progress report.