Requirements – Student #1

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: C1.016

Repository: https://github.com/luchersol/Acme-SF-D03

Student #1

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Roles: desarrollador, tester, project manager

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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 **project** aggregates several **user stories** elicited by the same **manager**. The system must store the following data about them: a code (pattern "[A-Z]{3}-[0-9]{4}", not blank, unique), a **title** (not blank, shorter than 76 characters), an **abstract** (not blank, shorter than 101 characters), an **indication** on whether it has fatal errors, e.g., panics, a **cost** (positive or nought), and an **optional link** with further information. Projects containing fatal errors must be rejected by the system.

X

3) A **user story** is a document that a **manager** uses to represent the smallest unit of work in a project. The system must store the following data about them: a **title** (not blank, shorter than 76 characters), a **description** (not blank, shorter than 101 characters), an **estimated cost** (in hours, positive, not nought), the **acceptance criteria** (not blank, shorter than 101 characters), a priority ("Must", "Should", "Could", or "Won't"), and an **optional link** with further information.

X

4) The system must handle **manager** dashboards with the following data: total number of "must", "should", "could", and "won't" **user stories**; average, deviation, minimum, and maximum **estimated cost** of the **user stories**; average, deviation, minimum, and maximum **cost** of the **projects**.

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 **manager** accounts with credentials "**manager1/manager1**" and "**manager2/manager2**".

X

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D03: implementing features

Information requirements

Intentionally blank.

Functional requirements

6) Operations by **managers** on **projects**:

- List the **projects** that they have created.
- Show the details of their **projects**.

- Create, update, or delete their **projects**. **Projects** can be updated or deleted as long as they have not been published. For a **project** to be published, it must have at least one **user story**, and all its **user stories** must have been published. Moreover, it must not have any fatal errors.

X

7) Operations by **managers** on **user stories**:

- List the **user stories** in their **projects**.
- Show the details of their **user stories**.
- Create and publish a **user story**.
- Update or delete a **user story** as long as it is not published.

X

8) Operations by **managers** on **manager** dashboards:

- Show their **manager** 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.

X

SUPPLEMENTARY Deliverable D02: data models

Information requirements

13) There is a new project-specific role called **manager**, which has the following profile data: **degree** (not blank, shorter than 76 characters), an **overview** (not blank, shorter than 101 characters), list of **certifications** (not blank, shorter than 101 characters), 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.

X

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 **manager**.

X

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

- Update their profiles.

X

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

- List the **projects** in the system that are published.
- Show the details of the **projects** that they can list (excepting their **user stories**).

X

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

20) Produce an analysis report.

X

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.

24) Produce a planning and progress report.