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: C1.034

Repository: https://github.com/juanlo017/c1.034

Student #1

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<u>Date:</u> Sevilla february 15, 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.

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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.

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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.

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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**.

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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".

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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.
- 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.
- 8) Operations by managers on manager dashboards:
 - Show their **manager** dashboards.

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.	

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 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.

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Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

14) Produce a UML domain model.

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15) Produce an analysis report.

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16) Produce a planning and progress report.

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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. 	
18) Operations by managers on user accounts:	
 Update their profiles. 	
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). 	
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.	

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.