

# Requirements – Student #1

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Group: C1.049  
Repository: <https://github.com/rafcasceb/Acme-SF-D04>  
Student #1  
  
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Roles: manager, analyst, developer, tester  
Date: Sevilla, 08/05/2024

# MANDATORY Deliverable D01: introduction

## Information requirements

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Intentionally blank.

## Functional requirements

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- 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.

DONE

## Non-functional requirements

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Intentionally blank.

## Testing requirements

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Intentionally blank.

## Managerial requirements

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Intentionally blank.

## MANDATORY Deliverable D02: data models

### Information requirements

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- 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.

DONE

- 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.

DONE

- 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.

DONE

### Functional requirements

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Intentionally blank.

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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- 5) Produce assorted sample data to test your application informally. The data must include two manager accounts with credentials “manager1/manager1” and “manager2/manager2”.

DONE

### Managerial requirements

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Intentionally blank.

## MANDATORY Deliverable D03: implementing features

### Information requirements

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Intentionally blank.

### Functional requirements

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#### 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.

DONE

#### 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.

DONE

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

- Show their manager dashboards.

DONE

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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Intentionally blank.

### Managerial requirements

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Intentionally blank.

## MANDATORY Deliverable D04: formal testing

### Information requirements

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Intentionally blank.

### Functional requirements

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Intentionally blank.

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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

DONE

### Managerial requirements

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10) Produce a testing report.

DONE

## SUPPLEMENTARY Deliverable D01: introduction

### Information requirements

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Intentionally blank.

### Functional requirements

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Intentionally blank.

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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Intentionally blank.

### Managerial requirements

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11) Produce an analysis report.

DONE

12) Produce a planning and progress report.

DONE

## SUPPLEMENTARY Deliverable D02: data models

### Information requirements

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- 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.

DONE

### Functional requirements

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Intentionally blank.

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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Intentionally blank.

### Managerial requirements

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- 14) Produce a UML domain model.

DONE

- 15) Produce an analysis report.

DONE

- 16) Produce a planning and progress report.

DONE

## SUPPLEMENTARY Deliverable D03: implementing features

### Information requirements

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Intentionally blank.

### Functional requirements

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17) Operations by anonymous principals on user accounts:

- Sign up to the system and become a manager.

DONE

18) Operations by managers on user accounts:

- Update their profiles.

DONE

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).

DONE

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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Intentionally blank.

### Managerial requirements

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20) Produce an analysis report.

DONE

21) Produce a planning and progress report.

DONE

22) Produce a lint report.

DONE



## SUPPLEMENTARY Deliverable D04: formal testing

### Information requirements

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Intentionally blank.

### Functional requirements

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Intentionally blank.

### Non-functional requirements

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Intentionally blank.

### Testing requirements

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Intentionally blank.

### Managerial requirements

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23) Produce an analysis report.

DONE

24) Produce a planning and progress report.

DONE