

# Requirements – Student #5

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:** C1.04.12

**Repository:** <https://github.com/pedlopruz/C1.04.12>

## **Student #5**

**ID Number:** 54183920z

**UVUS:** anglorcas

**Name:** Lorenzo Casas, Angel

**Roles:** Developer

**Date:** March 15, 2023

## Evaluation report

*NOTE: this form is intended to help you compute your grades. Note that the form assumes that you have correctly fulfilled the mandatory requirements; otherwise, your maximum grade shall be 4.0 points. Please, tick the requirements that you have fulfilled with an "X" and leave the others blank.*

*WARNING: bear in mind that this form is experimental. Check the evaluation and grading procedures in the syllabus since they rule if this form fails.*

Recompute grades

Deliverable	# Statemented requirements	# Fulfilled requirements	# Unfulfilled requirements	Grade
D01	3	3	0	10,0
D02	7	7	0	10,0
D03	8	0	8	0,0
D04	5	0	5	0,0
Individual grade: $0.25 * D01 + 0.25 * D02 + 0.25 * D03 + 0.25 * D04 =$				5,0

**Grader's comments:**

# Deliverable D01: introduction

## Information requirements

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Intentionally blank.

## Functional requirements

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- 1) **[MANDATORY]** 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>: <sur-name>, <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

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Intentionally blank.

## Testing requirements

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Intentionally blank.

## Managerial requirements

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- 2) Produce an analysis report.

X

- 3) Produce a planning report.

X

## Deliverable D02: data models

### Information requirements

- 4) There is a new project-specific role called auditor, which has the following profile data: firm (not blank, shorter than 76 characters), professional ID (not blank, shorter than 26 characters), a list of certifications (not blank, shorter than 101 characters), and an optional link with further information.

X

- 5) **[MANDATORY]** An audit is a document with auditing records regarding a published course. The system must store the following data about them: a code (pattern “[A-Z]{1,3}[0-9]{0-9}]{3}”, not blank, unique), a conclusion (not blank, shorter than 101 characters), some strong points (not blank, shorter than 101 characters), some weak points (not blank, shorter than 101 characters), and a mark (computed as the mode of the marks in the corresponding auditing records; ties must be broken arbitrarily if necessary).

X

- 6) **[MANDATORY]** The system must store the following data about the auditing records of a course: a subject (not blank, shorter than 76 characters), an assessment (not blank, shorter than 101 characters), the period during which the subject was audited (in the past, at least one hour long), a mark (“A+”, “A”, “B”, “C”, “F”, or “F-”), and an optional link with further information.

X

- 7) The system must handle auditor dashboards with the following data: total number of audits that they have written for theory and hand-on courses; average, deviation, minimum, and maximum number of auditing records in their audits; average, deviation, minimum, and maximum time of the period lengths in their auditing records.

X

### Functional requirements

Intentionally blank.

### Non-functional requirements

Intentionally blank.

## Testing requirements

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- 8) **[MANDATORY]** Produce assorted sample data to test your application informally. The data must include two auditor accounts with credentials “auditor1/auditor1” and “auditor2/auditor2”.

X

## Managerial requirements

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- 9) Produce an analysis report.

X

- 10) Produce a planning report.

X

## Deliverable D03: implementing features

### Information requirements

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Intentionally blank.

### Functional requirements

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11) Operations by anonymous principals on user accounts:

- Sign up to the system and become an auditor.

12) Operations by auditors on user accounts:

- Update their profiles.

13) Operations by any authenticated principals on audits:

- List the audits associated with a course.
- Show the details of the audits that they can list, including their auditors.

14) **[MANDATORY]** Operations by auditors on audits:

- List the audits that they have created.
- Show the details of their audits.
- Create, update, or delete their audits. Audits can be updated or deleted as long as they have not been published.

15) **[MANDATORY]** Operations by auditors on auditing records:

- List the auditing records in their audits.
- Show the details of their auditing records.
- Create a new audit record for their audits as long as they have not been published. In rare cases, an auditor may add correction auditing records to an audit that has already been published; this requires confirmation; the correction auditing records must be somewhat highlighted when displayed.
- Update or delete the records in their audits as long as they have not been published.

16) Operations by auditors on auditor dashboards:

- Show their auditor dashboards.

## **Non-functional requirements**

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Intentionally blank.

## **Testing requirements**

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Intentionally blank.

## **Managerial requirements**

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17) Produce an analysis report.

18) Produce a planning report.

## **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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19) **[MANDATORY]** Produce a test suite for Requirements #14 and #15.

20) **[MANDATORY]** Produce assorted testing data for your test suite.

### **Managerial requirements**

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21) Produce an analysis report.

22) Produce a planning report.

23) Produce a testing report.