

Requirements – Student #3

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Group: C1.039

Repository: <https://github.com/pabalcber/C1.039-Acme-SF>

Student #3

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UVUS: sheche1

Name: Chen Sheng

Roles: Developer, Tester

Date: Sevilla 02 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 **training module** consists of one or several short-term training activities aimed at extending or updating knowledge and skills related to the topic 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), a **creation moment** (in the past), some **details** describing the training module (not blank, shorter than 101 characters), a **difficulty level** (“Basic”, “Intermediate”, or “Advanced”), an optional **update moment** (in the past, after the creation moment), an **optional link** with further information, and an estimated **total time**.

- 3) Each **training module** is made up of **training sessions**. The system must store the following data about them: a **code** (pattern “TS-[A-Z]{1,3}-[0-9]{3}”, not blank, unique), a time **period** (at least one week ahead the training module creation moment, at least one week long), a **location** (not blank, shorter than 76 characters), an **instructor** (not blank, shorter than 76 characters), a mandatory **contact email**, and an **optional link** with further information.

- 4) The system must handle **developer** dashboards with the following data: total number of **training modules** with an **update moment**; total number of **training sessions** with a **link**; average, deviation, minimum, and maximum **time** of the **training modules**.

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 **developer** accounts with credentials “**developer1/developer1**” and “**developer2/developer2**”.

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D03: implementing features

Information requirements

Intentionally blank.

Functional requirements

6) Operations by **developers** on **training modules**:

- List the **training modules** that they have created.
- Show the details of their **training modules**.
- Create, update, or delete their **training modules**. **Training modules** can be updated or deleted as long as they have not been published. For a **training module** to be published, it must have at least one **training session**.

7) Operations by **developers** on **training sessions**:

- List the **training sessions** in their **training modules**.
- Show the details of their **training sessions**.
- Create and publish a **training session**.
- Update or delete a **training session** as long as it is not published.

8) Operations by **developers** on **developer** dashboards:

- Show their **developer** 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.

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.

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12) Produce a planning and progress report.

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SUPPLEMENTARY Deliverable D02: data models

Information requirements

- 13) There is a new project-specific role called **developer**, which has the following profile data: **degree** (not blank, shorter than 76 characters), a **specialisation** (not blank, shorter than 101 characters), list of **skills** (not blank, shorter than 101 characters), an **email**, and an **optional link** with further information.

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

- 14) Produce a UML domain model.

- 15) Produce an analysis report.

- 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 **developer**.

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

- Update their profiles.

19) Operations by any principals on **training modules**:

- List the **training modules** in the system that are published.
- Show the details of the **training modules** that they can list (excluding their **training sessions**).

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.

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.