Requirements – Student #3

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: C1.015

Repository: https://github.com/jormunrod/Acme-SF-24.1.1

Student #3

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Roles: Desarrollador, Manager

Date: Sevilla Marzo 8, 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.

    X

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**.

X

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.

X

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**.

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 **developer** accounts with credentials "**developer1/developer1**" and "**developer2/developer2**".

X

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.

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 **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.

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 **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.