

Requirements – Student #4

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: C1.039

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

Student #4

ID Number: Y3449103Z

UVUS: junyao

Name: Yao, Jun

Roles: role1, role2,

Date: place month day, year

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.

✓ Hecho

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D02: data models

Information requirements

- 2) The **sponsorships** are related to a **project** with the aim of achieving greater visibility in the market. The system must store the following data about them: a **code** (pattern “[A-Z]{1,3}-[0-9]{3}”, not blank, unique), a **moment** (in the past), a **duration** (after the moment, at least one month long), an **amount** (positive), a **type** of sponsorship (“Financial”, “In kind”), an **optional contact** email, and an **optional link** with further information.

✓ Hecho

- 3) Each **sponsorship** is billed through the use of **invoices**. The system must store the following data about them: a **code** (pattern “IN-[0-9]{4}-[0-9]{4}”, not blank, unique), a **registration time** (in the past), a **due date** (at least one month ahead the registration time), a **quantity** (positive not nought), the **tax** that it is applied (positive or nought), the **total amount** (calculated by adding together the **quantity** and the **tax applied**), and an **optional link** with further information.

✓ Hecho

- 4) The system must handle **sponsor** dashboards with the following data: total number of **invoices** with a **tax** less than or equal to 21.00%; total number of **sponsorships** with a **link**; average, deviation, minimum, and maximum **amount** of the **sponsorships**; average, deviation, minimum, and maximum **quantity** of the **invoices**.

✓ Hecho

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 **sponsor** accounts with credentials “**sponsor1/ sponsor1**” and “**sponsor2/ sponsor2**”.

✓ Hecho

Managerial requirements

Intentionally blank.

MANDATORY Deliverable D03: implementing features

Information requirements

Intentionally blank.

Functional requirements

6) Operations by **sponsors** on **sponsorships**:

- List the **sponsorships** that they have created.
- Show the details of their **sponsorships**.
- Create, update, or delete their **sponsorships**. **Sponsorships** can be updated or deleted as long as they have not been published. For a **sponsorship** to be published, the sum of the **total amount** of all their **invoices** must be equal to the **amount** of the sponsorship.

✓ Hecho

7) Operations by **sponsors** on **invoices**:

- List the **invoices** in their **sponsorships**.
- Show the details of their **invoices**.
- Create and publish an **invoice**.
- Update or delete an **invoice** as long as it is not published.

✓ Hecho

8) Operations by **sponsors** on **sponsor** dashboards:

- Show their **sponsor** dashboards.

✓ Hecho

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.

✓ Hecho

Managerial requirements

10) Produce a testing report.

✓ Hecho

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.

✓ Hecho

12) Produce a planning and progress report.

✓ Hecho

SUPPLEMENTARY Deliverable D02: data models

Information requirements

- 13) There is a new project-specific role called **sponsor**, which has the following profile data: **name** (not blank, shorter than 76 characters), a list of expected **benefits** (not blank, shorter than 101 characters), an **optional web page** with further information, and an **optional email contact**.

✓ Hecho

Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

- 14) Produce a UML domain model.

✓ Hecho

- 15) Produce an analysis report.

✓ Hecho

- 16) Produce a planning and progress report.

✓ Hecho

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 **sponsor**.

✓ Hecho

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

- Update their profiles.

✓ Hecho

19) Operations by any principals on **sponsorships**:

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

✓ Hecho

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

20) Produce an analysis report.

✓ Hecho

21) Produce a planning and progress report.

✓ Hecho

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.

✓ Hecho

24) Produce a planning and progress report.

✓ Hecho