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: C2.X02

Repository: https://github.com/SoniaRM/Acme-SF-D04-24.5.0

Student #4

ID Number: [53966183H] UVUS: [josmirmar2]

Name: Miret Martín, José Manuel

Roles: desarrollador, tester, project manager

<u>Date:</u> Tomares Febrero 5, 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)", 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) 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.

[X]

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.

[X]

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**.

[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 sponsor accounts with credentials "sponsor1/ sponsor1" and "sponsor2/ sponsor2".

X

Managerial requirements

Intentionally blank.

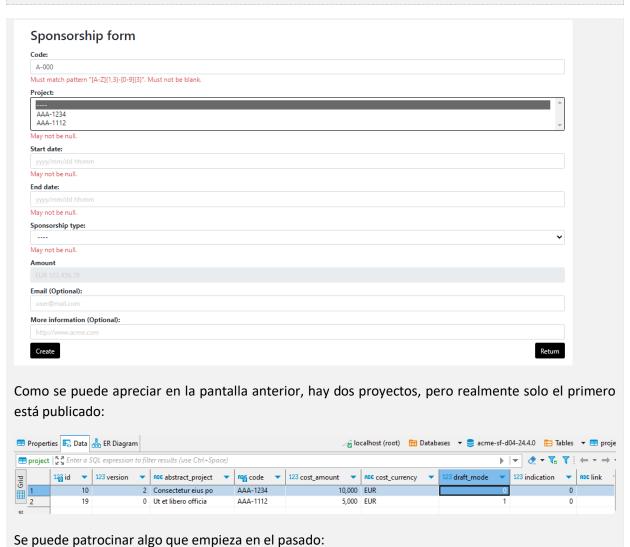
MANDATORY Deliverable D03: implementing features

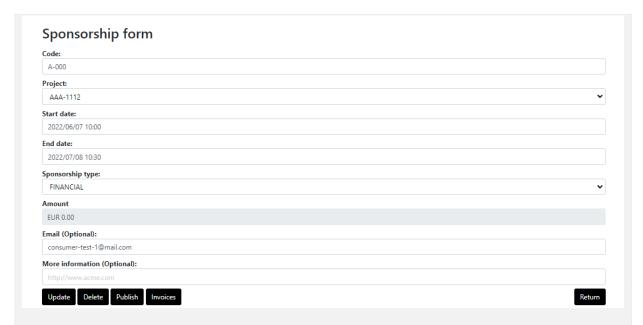
Information requirements

Intentionally blank.

Functional requirements

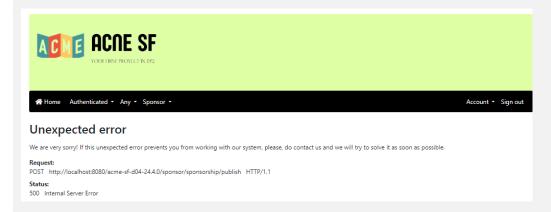
- 6) Operations by **sponsors** on **sponsorships**:
 - List the **sponsorships** that they have created.
 - Show the details of their **sponsorships**.
 - Create, update, or delete their **sponsorships**. **Sponsorships** can be updated or deleted as long as they have not been published. For a **sponsorship** to be published, the sum of the **total amount** of all their **invoices** must be equal to the **amount** of the sponsorship.
- | X | Se puede patronizar un proyecto que no está publicado. Los proyectos no publicados sólo pueden verse por sus managers propietarios.



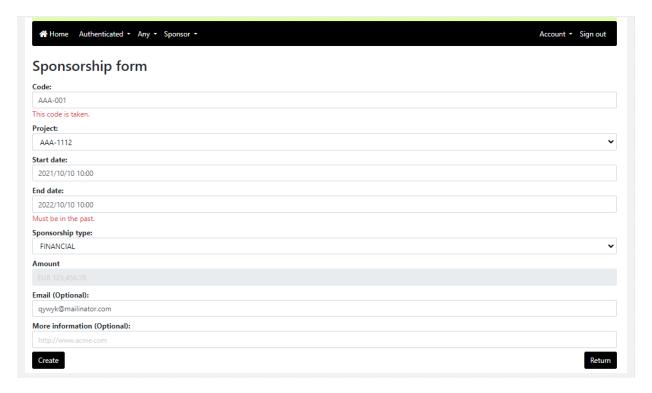


En el enunciado, requisito 2, se indica que la duración tiene que comenzar después del momento en el que se crea el patrocinio, es decir, a partir del 2022/07/30 00:01.

Si hago clic en publicar la entidad anterior, el sistema lanza la siguiente excepción:



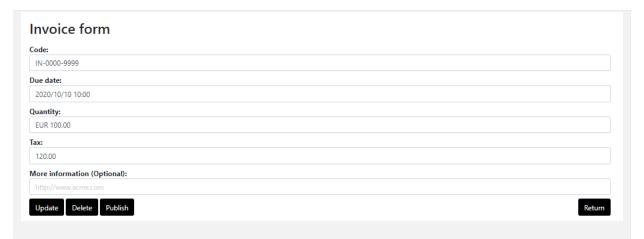
Una sponsorización no puede estar en el pasado. Se va a patrocinar un proyecto. No se hacen patrocinios en el pasado.



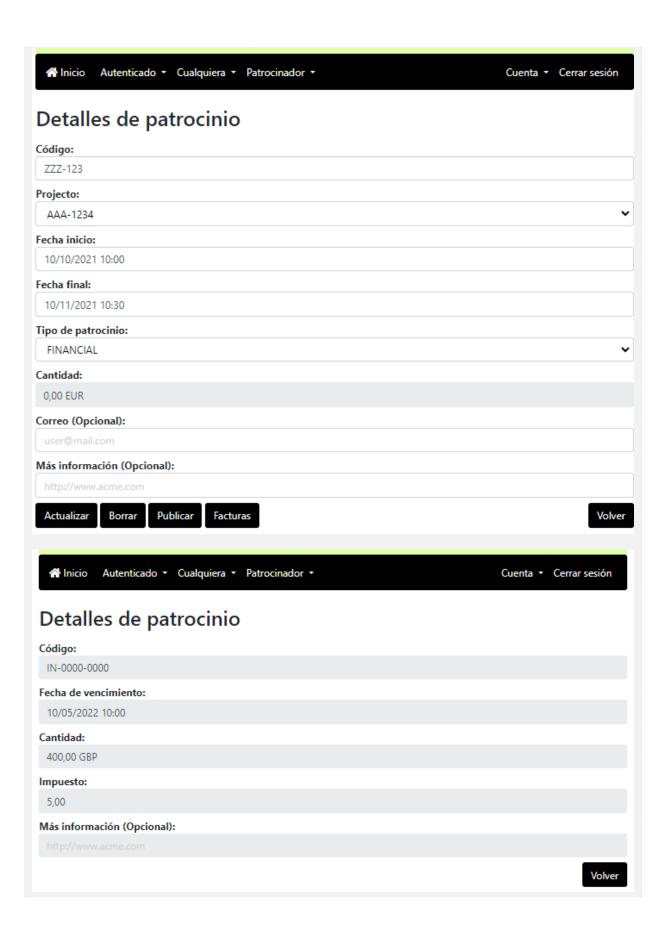
7) Operations by sponsors on invoices:

- 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.

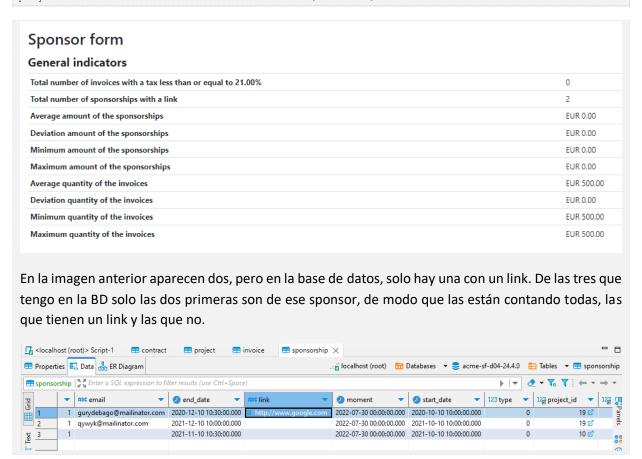
Se admiten invoices que no cumplen con la restricción que indica que el due date debe ser al menos un mes posterior a la fecha de creación de la invoice, es decir, de la fecha del sistema. En otras palabras, solo se pueden crear invoices cuyo atributo due date sea a partir de 2022/08/30 00:00. En la siguiente captura se muestra una invoice creada en el 2020.2020/10/10 10:00



No entiendo cuándo se ve la cantidad en el patrocinio. He creado un patrocinio, una factura y la he publicado y no aparece en la cantidad del patrocinio:



- 8) Operations by **sponsors** on **sponsor** dashboards:
 - Show their **sponsor** dashboards.
- | X | El cálculo no es correcto el número total de sponsorships with a link:



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.
- Realmente los tests no son correctos porque hay datos inválidos que permiten persistir las entidades y al revés. Es decir, si se indican fechas de un patrocinio o una invoice erróneas, como las que he puesto de ejemplo en los requisitos del D03, los tests deberían de devolver fallos y no los devuelven. De la misma forma, cuando se introducen datos correctos, por ejemplo una fecha en el futuro en el due date de la invoice, el test debería de dar un error de validación y no lo muestra. Los tests se deberían de haber usado para detectar este tipo de errores.

Managerial requirements

- 10) Produce a testing report.
- |X | Solo se ha calculado el intervalo de confianza pero no se ha hecho el test de contraste de hipótesis.

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 **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**.

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Functional requirements

Intentionally blank.

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

14) Produce a UML domain model.

Χ

15) Produce an analysis report.

[X]

16) Produce a planning and progress report.

[x]

SUPPLEMENTARY Deliverable D03: implementing features

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Functional requirements

- 17) Operations by anonymous principals on user accounts:
 - Sign up to the system and become a **sponsor**.

X

- 18) Operations by **sponsors** on user accounts:
 - Update their profiles.

[X]

- 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**).

[X]

Non-functional requirements

Intentionally blank.

Testing requirements

Intentionally blank.

Managerial requirements

20) Produce an analysis report.

[X]

21) Produce a planning and progress report.

[X]

22) Produce a lint report.

X

Information requirements Intentionally blank. Functional requirements Intentionally blank. Non-functional requirements

Testing requirements

Intentionally blank.

Intentionally blank.

Managerial requirements

23) Produce an analysis report.

[x]

24) Produce a planning and progress report.