

Universidad de Sevilla

Escuela Técnica Superior de Ingeniería Informática

Individual Analysis Report



Grado en Ingeniería Informática – Ingeniería del Software

Diseño y Pruebas 2

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Grupo de prácticas: C1-03-09	
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1. Resumen ejecutivo

En este documento se detallarán los problemas que se han encontrado en los requisitos junto a las respectivas decisiones tomadas para resolverlos.

2. Tabla de revisiones

Fecha	Versión	Descripción
20/04/2023	1.0	Primera versión del documento

3. Introducción

A continuación dejo constancia de los análisis que se han tenido que hacer sobre algunos requisitos, y las decisiones consecuentes para estos.

4. Análisis

Requisito 14.


1) [Mandatory] Operations by students on enrolments:


- List their own enrolments.
- Show the details of their enrolments.
- Register an enrolment.
- Update or delete an enrolment as long as it is not finalised.
- Finalise an enrolment. This requires providing a valid credit card; the system will only store its holder and its lower nibble.

Análisis 1: Las diferentes cuestiones que se me presentaron a la hora de implementar las diferentes operaciones que puede realizar un usuario sobre enrolments fueron las siguientes:

- ¿Se pueden editar todas las inscripciones realizadas por un usuario?
- ¿De qué manera hay que implementar la operación de finalización ?

Sin embargo leyendo el foro de discusión encontré a un estudiante con un problema similar al mío, y la forma correcta de implementar dichas relaciones.



RAFAEL CORCHUELO GIL 

RE: [D&T] Analysis on enrolment operations

Hace 23 días

Dear Antonio,

There's always an alternative. Please, quote the requirement to which you refer literally. Otherwise, you're providing an interpretation, which might not be the exact requirement. I think that you refer to the following requirement:

D03-S02-14: [MANDATORY] "Operations by students on enrolments: - List their own enrolments. - Show the details of their enrolments. - Register an enrolment. - Update or delete an enrolment as long as it is not finalised. - Finalise an enrolment. This requires providing a valid credit card; the system will only store its holder and its lower nibble."

Your question is:

What should I do with this information?

The answer is:

You must implement the requirement because it's classified as mandatory. Please, note that not fulfilling mandatory requirements means that the corresponding deliverable is considered failed. Therefore, it's a good idea to focus first on the mandatory requirements and then select the subset of non-mandatory requirements that helps you achieve the mark that you desire.

The requirement makes it explicit that an enrolment must be finalised for it to be effective. Simply put, it must be in draft mode until it is finalised. My recommendation is that you should use a Boolean attribute called "draftMode" since that makes it all more homogeneous; wherever you find "draftMode" in your project the semantics are exactly the same: this object can be displayed or edited only by the owner as long as its "draftMode" is true; it can be displayed by other principals as long as its "draftMode" is false. If you use different names to convey the same semantics, that may easily result in a nightmare.

"Numbers" like credit card numbers (7828 22 4631 0005) or references (ABC-123) are commonly composed of subgroups which some people (including our customer) refer to as "nibbles". A student must provide a valid credit card to finalise an enrolment; the system must validate it, but must not store it, only the lower nibble, that is, the last group of digits in the "number".

Regards, RC

Gracias a la lectura de esta entrada del foro, obtuve una noción más clara de cómo llevar a cabo la implementación de esta tarea.

5. Conclusiones

En conclusión, tras el análisis realizado de los requisitos, la mayoría de estos no he tenido que realizar un sobreesfuerzo para comprender estos correctamente. Sin embargo la casuística presentada ha sido las que más tiempo me ha llevado comprender e implementar.

La lectura realizada en el foro ha sido esencial para poder realizar una correcta de la tarea especificada en el requisito 14.