SOFTWARE REQUIREMENT SPECIFICATION

[Mes de año]

Content

1 INTRODUCTION 6

1.1 Purpose 6

2 OVERVIEW 6

2.1 User characteristics 6

3 SPECIFIC REQUIREMENTS 6

3.1 Use Cases 6

3.2 Functional requirements 8

3.3 Non-functional requirements 10
3.3.1 Usability requirements 10

4 APÉNDICES 11

1 Introduction

[Inserte aquí el texto]

1.1 Purpose

The objective of this document is to define requirements for the "Gradup" project. It is worth mentioning that this document does not follow the classic structure of an SRS document; it has been modified with the intention of focusing on specific requirements like usability requirements.[Inserte aquí el texto]
[Inserte aquí el texto]

2 Overview

2.1 User characteristics

User	Description[Inserte aquí el texto]
Student	User of the university you wish to find and find out about the benefits and scholarships that the school or government offers.[Inserte aquí el texto]

3 Specific requirements

3.1 Use Cases

Use Case	Search for a scholarship or benefit.	UC01
Actors	User	
Dependencies	• NFR-003 • NFR-004 • NFR-005 • NFR-006 • NFR-007 • NFR-013	
Purpose	This use case allows the user to quickly search for specific scholarships and benefits on the website, which improves the user experience and increases the efficiency of finding information.	
Type	Primary	
Description	Basic flow of elements: 1. The user enters the web page and displays the search field. 2. The user enters the search terms in the search field and presses the "Search" button. 3. The system processes the search terms entered by the user. 4. The system searches the database of scholarships and benefits and returns a list of relevant results to the user. 5. The user examines the list of results and selects the scholarship or benefit that interests them the most. Alternative flow of elements:	

	If the system does not find relevant results for the search terms entered by the user, the user is informed that no results were found.
Precondition	The user has access to the website.
Postcondition	The user sees a list of relevant search results.

Use Case	View details of a scholarship or benefit.	UC02
Actors	User	
Dependencies	• NFR-001 • NFR-002 • NFR-007 • NFR-008 • NFR-011 • NFR-012 • NFR-013 • NFR-022	
Purpose	This use case allows the user to obtain detailed information about a specific scholarship or benefit and make informed decisions about the application. The scholarship or benefit details page should be clear and easy to read to ensure that the user can understand the requirements and benefits offered by the scholarship or benefit.	
Type	Primary	
Description	Basic flow of the elements: 1. The user selects a specific scholarship or benefit from the search results list or scholarship category page. 2. The system shows the user a scholarship or benefit details page, which includes information such as requirements, application deadline, scholarship amount, etc. 3. The user reviews the information and decides if they want to apply for the scholarship or benefit. Alternative flow of elements: If the scholarship or benefit is not available at that time, the system informs the user that they must verify again at another time or that the scholarship or benefit is no longer available.	
Precondition	The user has logged into the website and has found a scholarship or benefit that interests them.	
Postcondition	The user sees the detailed information of the scholarship or benefit that he selected and can decide if he wants to apply for it or not.	

Use Case	Perform search filters.	UC03
Actors	User	
Dependencies	• NFR-003 • NFR-007 • NFR-009 • NFR-013	
Purpose	This use case allows the user to refine search results and find specific scholarships or benefits that meet their requirements. Search filters are an effective way to reduce the number of results and improve the efficiency of information search. It is important that the webpage has a clear and user-friendly interface so that the user can apply search filters effectively.	
Type	Primary	
Description	Basic flow of events: 1. The user enters search terms in the search field and clicks the "Search" button. 2. The system processes the search terms entered by the user. 3. The system displays a list of search results to the user. 4. The user selects the "Filter" option to refine the search results. 5. The system displays a list of available filtering options, such as the type of scholarship, level of studies, scholarship amount, etc. 6. The user selects one or more filtering options and clicks the "Apply" button. 7. The system processes the filtering options selected by the user and displays a list of refined search results. Alternative flow of events: If the system does not find any relevant results for the search terms entered by the user, the user is informed that no results were found. If the user does not wish to apply any filters, they can select the "Cancel" option to go back to the list of search results.	
Precondition	The user has logged in to the webpage and is on the search page.	
Postcondition	The user sees a list of refined search results based on the selected filters.	

[Inserte aquí el texto]

3.2 Functional requirements

Module 1: Dashboard (Main page)

FR-01.- The system must present outstanding information about the system's features.

FR-02.- The webpage features a horizontal navbar with “Becas” and “Beneficios” sections.

Module 2: Search / Filter

FR-03.- The system must be able to filter the benefits and scholarships by their

- Category
- Availability

FR-04.- The system will allow users to sort search results based on different criteria, such as name, expiration date or scholarship amount.

FR-05.- The system will show relevant and updated results for user searches, prioritizing the scholarships and benefits that best fit with their search criteria.

FR-06.- The system will show a link to the page of each search result

Module 3: Scholarships (Dashboard)

FR-07.- Selecting the selection displays a list of items with a name, item description, and image.

FR-08.- Each scholarship will follow a structure of articles. Each item is defined according to the importance of the information, beginning with the:

- Name
- Availability time
- Requirements to obtain the scholarship
- A short description
- A small tutorial to acquire the scholarship.
- Link of the procedure

FR-09.- The system must allow the registration of emails.

FR-10.- The system should send scholarship notifications only to users who registered their emails.

FR-11.- The user can request notifications of information updates by registering their email in the system.

Module 4: Benefits (Dashboard)

FR-12.- Each scholarship will follow a structure of articles. Each item is defined according to the importance of the information, starting with:

- Name
- Availability time
- Requirements to obtain the benefit
- A short description

Module 5: Tags

FR-12.- All scholarship and benefit items will have identification tags.

FR-13.- Selecting a tag displays a list of items with a name, item description, and image.

Moule 6: Reports

FR-14.- The system must allow users to generate a report on any downed link.

[Inserte aquí el texto]

3.3 Non-functional requirements

3.3.1 Usability requirements

Usability attributes refer to the characteristics that influence the ease of use of a product or service.

1.1. Interfaz requirements

On the other hand, non-functional interface requirements refer to the way the user interacts with the system. These requirements may include aspects such as usability, accessibility, ease of learning, visual appearance and responsiveness. These requirements are important to ensure that the user can use the system effectively and efficiently.

NFR-01.- The interface should be visually consistent, using the same colors, fonts and styles throughout, ensuring that the interface is easy to understand and that users can quickly find what they are looking for.

NFR-02.- Buttons, menus and other interface elements should be sized for ease of use on different devices and screen sizes.

NFR-03.- The interface should provide clear feedback to the user at all times, so that the user knows if a task is being performed correctly.

NFR-04.- Navigation through the interface should be intuitive and easy to follow, so that users can quickly find what they are looking for.

NFR-06.- The interface should be visually appealing, with colors and graphics that are pleasing to the eye and do not distract the user from the tasks being performed.

1.2. Process requirements

Non-functional process requirements relate to how the system is developed, implemented and maintained. These requirements may include aspects such as system response time, processing capacity, scalability, reliability and data security. These requirements are critical to ensure that the system can function properly and meet the project objectives.

NFR-07.- The system must allow users to customize their user experience to suit their individual needs and preferences.

NFR-08.- The system should provide help and documentation for users should they need further information or assistance in using the system.

NFR-09.- The system should provide sufficient information to users to enable them to understand the current status and progression of the tasks they are performing.

NFR-10.- The system should provide immediate and clear feedback to users to inform them of their progress and confirm that actions have been completed.

NFR-11.- The system shall complete assigned tasks in an average time of 5 minutes.

NFR-12.- The system shall have a success rate of at least 80% in performing its primary functions.

NFR-13.- The system shall have a response error rate of less than 20% under normal conditions of use.

NFR-14.- The system shall be capable of completing at least 90% of its assigned tasks.

NFR-15.- The system should have a maximum dropout rate of 10% for assigned tasks.

NFR-16.- System data must be consistent across all applications and associated databases, ensuring that users see the same information in all instances of the system.

NFR-17.- The system shall be capable of performing assigned tasks in a reasonable and predefined time, providing immediate response and no perceptible delays to users.

NFR-18.- The system shall be capable of completing all assigned tasks without skipping any of them, ensuring that all tasks are completed accurately and within the allotted time.

NFR-19.- The system must be designed to prevent errors by ensuring that the user does not have the ability to enter incorrect data or perform actions that could cause errors in the system.

NFR-20.- The system must be capable of detecting errors in real time by verifying the data entered or through system monitoring mechanisms.

NFR-21.- The system shall be able to recover from errors, allowing the user to continue using the system without problems.

NFR-22.- The system should respond to user requests within an average time of 1 second.

4 Apéndices

Categorization of non-functional requirements into usability attributes and sub-attributes.

Ease of learning

Ease of learning

The system interface should be intuitive and allow users to learn how to use it quickly.

Flexibility

The system should allow users to customize their user experience to suit their individual needs and preferences.

Help and documentation

The system should provide help and documentation for users in case they need further information or assistance in using it.

Visibility

The system should provide sufficient information to users so that they can understand the current status and progression of the tasks they are performing.

Effectiveness

Feedback

The system should provide immediate and clear feedback to users to inform them of their progress and confirm that actions have been completed.

Response time

The system should respond to user requests in an average time of 1 second.

Completion time

The system should complete assigned tasks in an average time of 5 minutes.

Success Rate

The system must have a success rate of at least 80% in performing its primary functions.

Error Rate

The system must have a response error rate of less than 20% under normal conditions of use.

Achievement rate

The system must be able to complete at least 90% of the assigned tasks.

Abandonment rate

The system should have a maximum abandonment rate of 10% for assigned tasks.

Interface consistency

The system interface must be consistent across all screens and modules, providing a uniform and consistent user experience.

Consistency of data

System data should be consistent across all applications and associated databases, ensuring that users see the same information in all instances of the system.

Efficiency

Speed

The system must be able to perform assigned tasks in a reasonable and predefined time, providing immediate response and no perceptible delays to users.

Completeness

The system must be able to complete all assigned tasks without skipping any of them, ensuring that all tasks are completed accurately and within the allotted time.

Consistency

The system interface must be consistent at all times to avoid user confusion.

The interface must be visually consistent, using the same colors, fonts and styles at all times, ensuring that the interface is easy to understand and that users can quickly find what they are looking for.

Satisfaction

Aesthetics

The system interface should be visually appealing and have a good layout of elements for ease of use.

Error handling

Error protection

Error handling

The system must be designed to prevent errors, ensuring that the user does not have the ability to enter incorrect data or perform actions that may cause errors in the system.

The system must be able to detect errors in real time, by verifying the data entered or through system monitoring mechanisms.

The system must be able to recover from errors, allowing the user to continue using the system without problems.[Inserte aquí el texto]