Transforming Requirements To UI: Gradup

Introduction.

The objective of this document is to describe the process of transforming the system requirements into its UI and to detail the process carried out.

Process Description.

1. **Identify site interfaces with the help of requirements:** With the help of the functional and non-functional requirements of the system defined throughout the design process, a table will be prepared where the requirement can be observed and how the system is expected to interpret it. In this way the main characteristics of our interface will be determined.

2. **List of interfaces and descriptions and relations:** With the characteristics defined in the previous point, we begin to establish the main interfaces together with a description of its main operation, characteristics and its relations with other interfaces.

3. **Establish the hierarchy:** Once the characteristics of our interfaces and their relationships are well defined, we establish a hierarchy according to their importance.

4. **Draw the flowchart:** Finally, with the help of software, design a flowchart of the system, to have a visual interpretation of its operating process.

Process.

1. **Identify site interfaces with the help of requirements:** Observing the people and scenarios designed throughout the project and the necessary user requirements for the web page have been raised and analyzing them we have identified three main pages, the main page that we will call Home, a search page, where we will search for articles by name or category and finally the pages of the different articles with a well-defined structure.

Requirements	Response of the system
FR-003 **The system must be able to filter the benefits and scholarships by them** • **Category** • **Availability**	After entering the necessary filters for the searches, the system will display a screen in which only information according to the filter will appear.
FR-005 **The system will show relevant and updated results for user searches, prioritizing the scholarships and benefits that best fit with their search criteria.**	Each time you enter the main screen, the system will display information more related to the user's previous searches.
FR-006 **The system will show a link to the page of each search result**	When entering the information of a scholarship or any benefit, a link will appear on the screen with which you can access the application page of said benefit.
FR-007 **Selecting the selection displays a list of items with a name, item description, and image.**	Detailed information about the selection is shown on the screen.
FR-008 **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**	The information on the article screen will be displayed considering its current relevance according to the interest of the users.

2. **List of interfaces and descriptions and relations.**
   - **Main Page:** The main page, is the first to be presented to the user, it is expected that it does not overwhelm the user with information, rather that it provides relevant information determined for unique benefits for a limited time or situations for which style, in addition to a display of different categories in a navigation bar and a search bar to facilitate your

exploration through the different articles. The user is expected to search for an article from here or to select one of the relevant ones.

- **Search Page:** On this page, there will be a huge search bar at the beginning like many of the most famous browsers, which will serve to filter the articles available on the website, it can filter by titles or categories and display a list of all available articles. It is expected that the user can return to the main page from here or select an article to go to its corresponding page.

- **Article Page:** This will be one of many pages where the user is presented with specific information about a particular benefit, it is expected to have a well-designed structure so that the user obtains all the information of interest in the proper order. From the Articles pages other similar articles will be suggested that users might be interested in, so users could go from article to article, or type something in the search engine and go to the search page or even return to the main page.

3. **Establish the hierarchy:**

- At the head of the hierarchy is the main page, which will be the first to be observed by the user trying to catch his attention in different important aspects for him. From important information to the option to search for articles according to a name or a category.
- Next in the hierarchy would be the search page, which will help the user to have a list of articles that meets their specific needs.
- Finally, we have the article pages, which represent the end goal of the user. It is expected that it has a structure designed so that the user can obtain what he needs in a logical order.

4. **Draw the flowchart.**
   For this flowchart we take the previous observations and have the help of the Miro software. This was the result: