

HCI requirements

Functional Requirements:

1. The web application must show basic information about the careers, having as a selection between 2 or 3 careers for comparison, taking into account factors such as the work environment, importance and study plans
2. The web application must display detailed information about a career selected by the user, taking into account factors such as the scope of work, meaning, specialties or postgraduate degrees, user experiences, salary statistics, labor demand, entry and exit of students.
3. The web application will allow the user to carry out a preference test in order to guide the user to the choice or closeness with a career regarding the results of the test.
4. The web application must contain a user support/help module to assist them in its navigation and usage
5. The web application will have a login in order to obtain the user's name in order to have a personalized experience

Nonfunctional Requirements:

1. The waiting time between user interaction and the web application mustn't be above 2 seconds.
2. The web application will have as MVC implementation design (model-view-controller)
3. The web application must be capable of operating adequately with up to 100,000 users with concurrent sessions.
4. The web application must have an availability of 99.99% of the times that a user tries to access it.
5. The user interface will be implemented for web browsers with HTML5 and JavaScript only.
6. The new application should handle alphabet fonts in English, Latin languages (Spanish, French, Portuguese, Italian), Arabic and Chinese.
7. The system must have a small learning curve to use and be accessible to people with basic computer knowledge.
8. The terminology and symbology must be simple and representative for the actions, functionalities and options in the web application.
9. The web application must have well-formed graphical interfaces with the help of the Wireframe software tool
10. The system must provide error messages that are informative and oriented to the end user
11. The web application must have a "Responsive" design to ensure proper display on different devices such as personal computers, tablets and smartphones.

Usability

- The system must have a small learning curve to use and be accessible to people with basic computer knowledge.
- The terminology and symbology must be simple and representative for the actions, functionalities and options in the web application.
- The web application must have well-formed graphical interfaces with the help of the Wireframe software tool
- The system must provide error messages that are informative and oriented to the end user
- The web application must have a "Responsive" design to ensure proper display on different devices such as personal computers, tablets and smartphones.
- The web application will allow the user to obtain fast and reliable information on the statistics of the selected races through the use of graphs.