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# **Software Requirements Specification**

**for**

## **Test Vocacional**

**Version 1.0 approved**

**Prepared by Grupo 4**

**Análisis y diseño de sistemas**

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## Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

*El producto tiene como propósito brindar a los pre estudiantes de la UNRC, una colección de carreras que podrían interesarle de acuerdo a sus gustos e intereses.  
El mismo esta dirigido a los pre estudiantes, personal administrativo y alumnado de la UNRC.*

## 1.2 Document Conventions

*<Describe any standards or typographical conventions that were followed when writing this SRS, such as fonts or highlighting that have special significance. For example, state whether priorities for higher-level requirements are assumed to be inherited by detailed requirements, or whether every requirement statement is to have its own priority.>*

## 1.3 Intended Audience and Reading Suggestions

*<Describe the different types of reader that the document is intended for, such as developers, project managers, marketing staff, users, testers, and documentation writers. Describe what the rest of this SRS contains and how it is organized. Suggest a sequence for reading the document, beginning with the overview sections and proceeding through the sections that are most pertinent to each reader type.>*

## 1.4 Product Scope

*<Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals. Relate the software to corporate goals or business strategies. If a separate vision and scope document is available, refer to it rather than duplicating its contents here.>*

## 1.5 References

*<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.>*

# 2. Overall Description

## 2.1 Product Perspective

*El sistema es un producto nuevo y autocontenido.*

## 2.2 Product Functions

- El cliente debe poder crear cuestionarios.
- El usuario debe poder responder cuestionarios.
- El cuestionario debe estar compuesto de varias preguntas.
- El usuario debe tener varias opciones para responder a una pregunta.
- El usuario debe poder ver una lista de carreras posibles, basadas en las respuestas dadas.

## 2.3 User Classes and Characteristics

- *Estudiantes y pre estudiantes: responden cuestionarios y ven sus resultados personales.*
- *Personal administrativo: crea cuestionarios y ve el conjunto de resultados obtenidos por todos los estudiantes y pre estudiantes de manera grafica.*

*La clase de Usuario mas importante para este producto es el personal administrativo, especificamente implementar la opción de crear cuestionarios.*

## 2.4 Operating Environment

*<Describe the environment in which the software will operate, including the hardware platform, operating system and versions, and any other software components or applications with which it must peacefully coexist.>*

## 2.5 Design and Implementation Constraints

*<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer's organization will be responsible for maintaining the delivered software).>*

## 2.6 User Documentation

*<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>*

## 2.7 Assumptions and Dependencies

*<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from*

*another project, unless they are already documented elsewhere (for example, in the vision and scope document or the project plan).>*

### 3. Requerimientos Del Sistema

#### 3.1 Requerimientos Funcionales

- *Como cliente, quiero una versión diferente y exclusiva a la del usuario, con mas opciones así puedo crear cuestionarios.*
- *Como cliente, quiero una versión diferente y exclusiva a la del usuario, con mas opciones así puedo obtener un porcentaje de los resultados obtenidos por todos los usuarios.*
- *Como usuario, quiero que se representen los resultados de mi cuestionario de una manera grafica, así puedo visualizar los resultados de una manera mas accessible*
- *Como usuario, quiero tener mas opciones para responder a cada pregunta así el resultado es mas satisfactorio.*
- *Como usuario, quiero poder ingresar nombre, apellido y correo electrónico luego de responder el cuestionario así tengo la opción de poder consultar mis resultados en el futuro.*

#### 3.2 Requerimientos No Funcionales

- *Como cliente, quiero disponer de un sitio web en el que alojar todas las funciones del sistema así el mismo tiene una mayor audiencia.*
- *Como cliente, quiero que se guarden en un servidor las respuestas que el usuario dio en el cuestionario de orientación vocacional así me baso en ellas para dar al usuario una serie de carreras posibles.*
- *Como cliente, quiero disponer de un mínima cantidad de preguntas que se deban ingresar en el cuestionario así doy un mejor resultado para el usuario que las conteste.*
- *Como cliente, quiero disponer de un mínima cantidad de preguntas que se deban ingresar en el cuestionario así doy un mejor resultado para el usuario que las conteste.*

#### 3.3 Software Interfaces

*<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be*

*implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>*

### 3.4 Communications Interfaces

*<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>*

## 4. System Features

*<This template illustrates organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.>*

### 4.1 System Feature 1

*<Don't really say "System Feature 1." State the feature name in just a few words.>*

#### 4.1.1 Description and Priority

*<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>*

#### 4.1.2 Stimulus/Response Sequences

*<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>*

#### 4.1.3 Functional Requirements

*<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use "TBD" as a placeholder to indicate when necessary information is not yet available.>*

*<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>*

REQ-1:

REQ-2:

## 4.2 System Feature 2 (and so on)

# 5. Other Nonfunctional Requirements

## 5.1 Performance Requirements

*<If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.>*

## 5.2 Safety Requirements

*<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.>*

## 5.3 Security Requirements

*<Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.>*

## 5.4 Software Quality Attributes

*<Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.>*

## 5.5 Business Rules

*<List any operating principles about the product, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.>*

## 6. Other Requirements

*<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>*

### Appendix A: Glossary

*<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>*

### Appendix B: Analysis Models

*<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>*

### Appendix C: To Be Determined List

*<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>*