

## Software Requirements Specification Document (SRS)

This is the last submission which includes two documents: 1) the software requirements specification (SRS) document which has to explain unequivocally and precisely what the Project has to do (and not how); 2) the slides of the SRS presentation to the client.

### The SRS document

The SRS document includes all previous lab submissions in a document format and the additional information to complete the document. The document has to have a good document structure and all sections completed and coherent along the document. All stakeholders identified in the project and listed in the document must be able to understand the project specification to be able to review and contribute in the part they are experts (as indicated in the document). The document has to **implicitly indicate what sections have to review each stakeholder**. Remember in the use case description it has to be an implied stakeholder with this purposes. The other sections you decide how to indicate it. For example, the first line of a section it indicates the implied stakeholders for the whole section, or there is a specific editorial section that indicates for each stakeholder what are the sections that they have to review, or you decide how you want to do. This doesn't mean they cannot read the other sections, but the sections indicated they have responsibility in the content included.

The proposal **coherence** is very important, and for example it must justify the stakeholders and indicate which one are the actors, and all these actors must appear in the use case diagrams provided in the document.

Defining a **clear terminology is important**, and for example, the document must use a clear term for each stakeholder (or any concept), and this term must be used equally along the entire document and all documentation of the project. The same applies with all terms.

The **glossary** has to be long enough to cover technical terms and domain specific terms not common for all stakeholders. It is not necessary to include common-used terms defined as in its usual definition. It is important to define the project-specific terms, but it is better to choose terms that do not have a clear definition outside the project and avoid confusion with the usual meaning of the term. The glossary list has to be as complete as possible but as short as possible, this is, to have the necessary but sufficient terms. The expressions are not needed in the glossary unless they are very specific in the project.

The document must have the **use case diagram(s) fully completed**, which relate all use cases of the project. The **full text description of each individual case (text template)** is only required to be detailed in the SRS document for the use cases you consider most important in the project, based on your own criteria. Justify why you present the ones selected, and there has to be **at least 4**. In addition, there has to be **at least 4 user stories with 3 acceptance criteria** for each user story. There has to also be **at least one State diagram and at least 3 activity diagrams**. All diagrams have to have the corresponding explanation to put them in context and to explain them so that all stakeholders can interpret them the same manner. The descriptions and diagrams you choose **have to be diverse (of different parts of the project) so each gives details of different parts**. So overall, provide a full description of the project, using these different diagrams, and apply the diagram you think

As indicated in the previous handouts, consult the link [3.] There is a list of many documents lifecycle documents and in particular the one indicated on “Especificació de Requisits – Anàlisi funcional”. This is a template for the response of Generalitat’s SW elicitations and the template has instructions of how to fill it. It can be useful to you to see a real example of this type of document and a reference of the level of precision required in these documents. It is not compulsory to use this template. You can define the structure you want for your SRS document. Use it as a guidance resource to define your own.

Remember your decisions must be justified and reasoned. So add a bibliography section in your document to cite appropriately your sources. Use the instructions in previous handouts to follow the detailed level requested in the whole work progress of this document.

### The presentation

Your SRS document must be presented in front your client, executives of SingAlong, in a **private meeting**. You have around 30 min to present your project in a **concise and precise way**. **All members of the team have to talk in the presentation more or less equally (3-4 min)**. The team must prepare well the content of the short time each person has to talk, so everything relevant and significant of your project is said in a correct flow. The client will listen 8-16 responses of the same elicitation, and she is not interested in listening always the same things. So do not repeat things in the elicitation document (handout), as s/he has written and knows well what it says. She wants to know your proposal and you have to explain and highlight what you have defined in your project and can be different from the others (without listening to them). Think of your obscure points for example.

**If the client considers that what you say does not provide the value or information she expects, she will tell you to advance in the presentation and skip the part.** This could mean you don’t fill the time allowed unless you have extra material to present to the client. This could be a clear indication that the client discards your proposal and it will not be selected for the next selection phase. So, **prepare more specific material than the one you plan to say, in case you are asked to move forward or to have material to go to a more detailed level during the questions and answers phase.**

The **client must have the presentation material beforehand**. If you do not plan to use slides, and for example you plan to use a web/html interface, it is still important to create a document (pdf) with a sequence of snapshots (similar to slides) of the content and flow of the presentation.

The presentation will be the last week of classes (including the last lab session and extra time). **You'll only attend your presentation, but not the others.** We'll publish the schedule.

Material:

1. Theory slides
2. Your team submissions of previous lab assignments, and cross-evaluations
3. Especificació de Requisits – Anàlisi funcional ([https://qualitat.solucions.gencat.cat/templates/Assumpte\\_DT\\_ERQ\\_V2.0.docx](https://qualitat.solucions.gencat.cat/templates/Assumpte_DT_ERQ_V2.0.docx)) in [Software lifecycle documents](https://qualitat.solucions.gencat.cat/procediments/estandard-lliurables-tecnics) (<https://qualitat.solucions.gencat.cat/procediments/estandard-lliurables-tecnics>) of Generalitat.
4. Other resources in aula global
5. Other resources you use. Put a bibliography section in your document

### What to submit?

Two files in **pdf format**, the two named as follows: SRS\_Pn01\_GXX where n is the group theory you belong, and XX is the number of you group ID. Example: SRS\_P101\_G01\_doc

1. Your team's SRS response document to SingAlong elicitation project. Name the file as SRS\_Pn01\_GXX\_**doc**.pdf
2. The slides of your presentation to the client of your SRS document. Name the file as SRS\_Pn01\_GXX\_**pres**.pdf
3. Zip the two files in one named SRS\_Pn01\_GXX.zip/rar.

**This submission does not have cross-evaluation; hence it is NOT a blind submission. Make sure you put the names of all team members involved in the submission inside the document and presentation.**

If anyone has a problem to participate in any particular submission, please inform me so we can discuss how to handle it. If there are team members who do not contribute in the team work, let me know as early as possible, and do not put the NIAs in the corresponding submissions.

### ONLY DO ONE SUBMISSION PER GROUP!!

When is the submission deadline?

The submission date of both documents is the same for all teams. See aula global for exact date.

A timetable with the presentations' schedule will be organized and published in aula global too.