[CENG 350 Section 1] Software Engineering

Announcements

SRS part-1 feedback

Settings

◄ Late Submission Policy for the SRS final.

Guest lecture on April 4th ►

Display replies in nested form

SRS part-1 feedback
by ibrahim tarakci - Tuesday, April 2, 2024, 9:10 PM

CENG350 Software Engineering, Spring 2024

SRS part-1 Feedback

Dear All,

SRS part-1 submissions have been evaluated, grades are going to be announced soon. There is no time to provide individual feedback on the SRS part-1. Here is a general feedback. Please pay attention to the following points.

Submission:

1) Although it is clearly stated in "SRS Outline and Evaluation for FarmBot V1.pdf" document as "**SRS document (including diagrams) named as SRS.pdf",** there were some Word and Latex files in the submissions. **Only PDF files** will be accepted and evaluated. Any submissions in Word or LaTeX format must be converted to PDF before submission. In addition, all submitted documents must be **named "SRS.pdf"** to ensure consistency and ease of evaluation. Please rename any documents that are currently named differently to "SRS.pdf" before submission for SRS final.

2) Diagrams should be **created in StarUML**. Diagrams that were created with tools other than StarUML are not going to be evaluated.

3) There were some submissions that do not include StarUML project files for diagrams. For the SRS final, all the diagrams' **StarUML project files** should be included in the submission.

4) As it is stated in "SRS Outline and Evaluation for FarmBot V1.pdf" document, each submission should include **UML diagrams' project files as separate files, which must be able to be opened by StarUML**. However, there were some submissions that include only one StarUML project file, in other words, all the diagrams were created in one single project. Each UML diagram should be created **in a separate StarUML file**.

Format:

1) Format of the SRS document should be the same as the one that we have shared with you as "SRS Outline for FarmBot V1.docx". Ensure your SRS documents include **all parts outlined in the provided document** such as Title Page, Revision History, Table of Contents, List of Tables, and List of Figures.

2) Please ensure that the **sections and subsections** in your document are **numbered according to the provided outline**.

3) Diagram figures should be **exported from the corresponding StarUML project**. Any other kind of figure (e.g. screenshots) will not be acceptable.

4) For the use case description templates, you may use sample projects' templates or textbook's template. It is stated in "SRS Outline and Evaluation for FarmBot V1.pdf" document as **"Use-case description format: Pick and adapt a good format from available examples. A properly extended form of the textbook's format is ok.".** Any simpler format will not be accepted.

5) There were some documents that have use case descriptions not in table format, ensure that all **use case descriptions are presented in tabular form.**

6) **Figures and tables** for the SRS document should be **listed and ordered with numbers**. There were some documents that contain figures and tables without numbers and names. You should pay attention to put **table numbers, figure numbers, table names, and figure names** to tables and figures.

7) Ensure all figures and tables in your document are **listed in their respective sections: List of Figures and List of Tables**. Please review your submissions and add any missing figures and tables to ensure completeness and organization.

8) There were some documents having small and unreadable figures. You should put figures with a **proper size for readability.**

9) Please ensure that the **Definitions Section (Section 1.4.)** of your document is **presented in table format**. Utilizing a table format will enhance clarity and organization within this section.

10) Please include your **names, surnames, student IDs, and group numbers** on the title page of SRS document.

11) Use the **UML notations appropriately**. Check your use of graphical elements, e.g. lines, arrowheads and boxes.

12) Please include **user interface figures within User Interfaces Section (Section 1.3.1.2.)** of your document.

13) Please note that **Section 5** is designated for completion by groups consisting of **three members only**. If your group comprises two or one member(s), Section 5 should not be included in your SRS document.

System Context Diagram:

1) System Context Diagram is used to show the overall view of the system (i.e. the FarmBot) in its environment. It depicts external entities and their interactions with the system. A system component, by definition, cannot be an external entity. In this direction; hardware components, and software components of FarmBot cannot be external entities. If you show a context having a system component as an external entity, you should correct your diagram. **End-users, admins, GitHub can be regarded as external entities for FarmBot**. (Additional external entities can be proposed according to your suggestions in Section 4.)

2) System context diagrams should show the **links or connections of external entities with the system**. Links (i.e. data flows in the diagrams) should contain data/signal exchange, for example, indicating "account details" from the user (external entity) to the Uber system. There were some System Context Diagrams that show links but fail to mention the information exchanged on the link. If information exchange is not mentioned, we cannot understand the nature of the relationship between external entities and system.

3) There were some System Context Diagrams that show relationships between two external entities. Is that relationship between two external entities really relevant for our system? If not, delete it.

4) For section 1.3.1, a **System Context Diagram and explanations for this diagram** should be provided. There were some documents that has only diagrams but no explanations. Diagrams need some **explanation** to be understood unequivocally.

5) The System Context Diagram should be **as simple as possible**. There were some unnecessarily complex System Context Diagrams that are hard to read and understand. In particular, don't show the sub-systems of FarmBot.

Use case Diagram:

1) An actor is an external entity, be it a human or a non-human system. A system component should not be an actor in a use-case diagram. However; there were many use-case diagrams that show web application, hardware components, sensors, and cameras as actors. If your diagram has a system component as an actor, you should correct your diagram. **External entities for FarmBot can be regarded as roles for use-case diagram.** (Additional roles can be proposed according to your suggestions in Section 4.)

2) As it is stated in the "SRS Outline and Evaluation for FarmBot V1.pdf" document as **"You should aim to write 10 use-cases**, you are expected to aim for 10 use-cases. Slightly less than 10 would be acceptable, but much less than 10 would not.

3) For section 3.2, as it is stated in the "Outline and Evaluation for FarmBot V1.pdf" document as **"a use-case model consists of a use-case diagram and the descriptions of the use-cases)."**, you are expected to create description tables for all the use cases. However, there were some diagrams that do not have descriptions or use cases without descriptions. If your diagram has this deficiency, you should provide the missing pieces.

4) If your diagram contains some **“include” related use cases or “extend” related use cases**, you should also provide **description tables** for all these use cases.

5) Use case diagram should be **as simple as possible,** not complex. There were unnecessarily complex use case diagrams that were hard to read and understand. You should also avoid unwarranted use case generalization/include/extend.

I recommend you review the sample SRS documents and IEEE 29148 (highlighted and commented) or read them.

Best wishes,
TA İbrahim Tarakcı

Permalink

◄ Late Submission Policy for the SRS final.

Guest lecture on April 4th ►

Jump to...

Administrative ►