



Projects Submission Guidelines - SDA, Fall 2024

Project Guidelines (already mentioned in project proposal guidelines issued to you on 31 August 2024):

- At least 15 core domain features (e.g., login / logout are not domain features). For example in railway management system ticket booking is a core domain feature.
- Project can be Web or Mobile App and must be related to any Management Information System (MIS). (DB driven project) E.g., Railway management system, hospital management system, student management system, library management system
- Feature count: 1 feature of MIS will be counted as for example “attendance” in student management system with all CRUD operations including search. 2nd feature would be assigning assignment to student with all CRUD operations, and so on.
- We are expecting proper MIS so that student can practice full aspects of UML modeling and analysis, we do not expect students to come up with research projects in this subject.
- Minimum** 1 person and **Maximum** three-person group is allowed (Cross section group not allowed).
- SRS in IEEE format (https://profinet.eu/wp-content/uploads/2016/03/srs_template.doc), or template already provided.
- Add following sections in SRS:
2.8 process model (your strategy for software development),
2.9. Project Plan, 2.10 Feasibility report, 2.11 Homogenization process, 2.12 Use case descriptions in textual format
2.13 Video of working software (30 minutes) [Just mention URL of video don't upload complete video]
- Add following diagrams in SRS in Appendix B: Analysis Models: Sequence Activity systems architecture (two tier, three tier and N tier architecture), Subsystem models, Component, class diagram, Generalization and inheritance, (all types of UML associations, Associations, dual associations, self-associations, aggregation, composition, interface classes, realizations, dependencies), parameterized Classes, Enumerations, Use Case diagrams, Collaboration & State charts, Analysis Classes (ECB / robustness classes), Deployment diagram.
- Student need to submit the presentation, UML Generated Source Code, UML project file (Papyrus), UML exported diagrams in PNG and project report with the realization of above mentioned UML diagrams with detailed descriptions. Full source code of working software along with SQL scripts and backup of database schema. Student also need to demonstration of the working software.
- Following requirements have been removed: ~~Network Diagram, Object communication, Concurrent objects, active objects, Object interface specification, IDL, You also need to deploy your final project on some free hosting so please create and practice the hosting from today rather leaving it to the last week otherwise you could face many deployment issues that can't be managed in 1 week. Last date of complete project submission 1st day of the 14th week of semester.~~
- Last date of complete project submission is now moved to mid of 15th week instead of 1st day of the 14th week of semester.

Marking criteria:

1.	MIS Core Domain Features	UML Diagrams	Papyrus Project	SRS	Code	PPT	demo	Late/ week	Plagiarism	Total
	15	15	10	10	15	5	30	-25	-100	100

- Marks in terms of weightage: Proposal and SRS marks=3, SDS and Project marks =7, Total project marks are 10.

Proposal submissions are closed a long time in the beginning of the semester, and if any student changes project, he will lose proposal marks. All group members must be present in the project demo.

SUBMISSION GUIDELINES:

- Last date of submission is 4th December 2024 – 11 AM.
- Students are required to submit the assignment individually.
- Only 1 submission is allowed, if you once submit it then you are allowed to update your submission.
- You need to submit in your section only. If you submit in wrong section or both sections or if you violate any assignment instructions then expect negative marking.
- Email submission not allowed. Emails queries asking hints for solution will result in negative marking.
- If you upload empty or corrupted archive, you will get zero marks. Hence double check before uploading.
- Plagiarism, if detected, will result in zero marks.
- Assignment should NOT be handwritten, make sure you submit it according to the requirements.
- Submit the assignment after making a single zip archive of the assignment files. Submit in “zip folder only” no rar, no any other format is accepted.
- Folder hierarchy: MS Word doc (SRS) in /doc folder, source code and eclipse / papyrus or vs-code project in /code folder(if any), all exported PNG diagrams in /dia folder and Papyrus models and project files in /model directory are required. Use only Papyrus for modeling and submit the project files. (If you don't follow the instructions it may lead to marks deductions).
- Archive the submission and name it “FASTProjectSDAGroupLeaderRollNo.zip”.
- Make your project submission under **100 MB** (reduce image sizes, and don't submit any libraries and dependencies)