

Year 3 (SDH3, CS3, SD3) Group Project 2024

Students must be organised into groups of **4 people** and can be organised across class groups i.e. an SDH3 student can be in a group with a CS3 or an SD3 student.

Once a group has been decided upon, a contact person within each group must be nominated.

The contact person must email seamus.lankford@mtu.ie by Wednesday evening 23.59 September 11th, 2024 to confirm the names and email addresses of the group contact person and each team member. If you are having difficulties finding a group, or forming a full group, email me to let me know and I'll complete the group.

On receipt of this email, I will allocate the group a project supervisor.

All students are expected to contribute equally to the project. Students within each group may be interviewed individually to determine individual project marks.

Late submission of deliverables at any stage of the project carries penalty points in line with MTU's marks and standards policy.

If there are any project issues which cannot be resolved within the project team and/or with the team supervisor, which need to be discussed, a meeting can be arranged by emailing seamus.lankford@mtu.ie

Project Marking and Requirements

The project contains a mark for the management of the project by the group i.e. it is not just the final piece of handed up work that is marked, but deliverables within the overall process are also assessed.

Required documentation and deliverables will include but will not be limited to: -

Week 3 (10%)

- Mock-up/Prototype, Product Backlog, Outline and setup of infrastructure and development environment that will be used to communicate, document, manage code, develop code, test and deploy

Week 3 to 11 (50%)

For each sprint:

- Sprint deliverables (viable working product) as agreed in sprint back log, any sprint documentation (sprint backlog, user stories, designs, test etc.), sprint retrospective/review documentation.

Week 12 (15% and 25%)

- Presentation in which the students will be expected to present a demonstration of the working product and summary of goals/highlights/progress etc. on the project. (15%)
- Each member of the team individual contribution will also be assessed through the use of peer review feedback and an interview. (25%)

A group must make a formal request for a meeting with their supervisor i.e. you must organise the meeting. Written request notes/emails are essential. The group must organise questions and prepare in advance of meetings.

Supervisors in general do not lead or manage the project. This is the express responsibility of the groups, particularly groups aiming for an honours grade. Supervisors are expected to intervene only when it is apparent that the group is incapable of this.

1. Test phase with mandatory reporting of faults and preparation for demonstration. Testing should be systematic and comprehensive (minimum review test cases/scenarios). The concept of product development carries through to the testing phase. If you fail to test your system correctly/adequately then the product may be released with 'bugs' in it. **Penalties** will apply for not indicating system function(s) not operating to specification.
2. Documentation, Presentation and Individual Interviews

The final submission of project documentation is essentially a corrected version of previous deliverables with additional sections such as Review of project objectives (detailed explanation of what was achieved and what was not achieved) & possible enhancements/future developments. The project must be documented so as to allow a reader to quickly understand the system as submitted, all aspects of the work involved in its development, and how the system could be developed in the future.

Students will also be required to demonstrate the project. It should be remembered that projects are to be treated as a product development.

Students may be interviewed individually at this stage.