

Final

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Overview

The final exam consists of a presentation followed by a question and answer (Q/A) session.

Please **plan and organize as a team** for the final presentation. The material you must cover in your presentation is described below. The level of the talk should be appropriate for a technical-savvy audience. If it helps you to formulate an audience profile, you may imagine you are presenting your software project at a conference or trade show.

You have a total of 30 minutes. Plan for **exactly 12 minutes of presentation** (or 16 minutes if you are a team of four students) and 18 minutes of Q/A. For your presentation, you will have a one-minute grace period. Presentations that are too short or too long will be penalized. Make sure all team members participate equally in the presentation and in the Q/A. While we will enforce the latter, it is your responsibility to enforce the former. We require that **all team members participate equally in the presentation**. You will be evaluated based on the following guidelines. A set of sample questions to expect for the Q/A are also included below.

The basis of your presentation should be the storage server implemented according to Milestone 4. You **won't have to demonstrate your software**, but you will be expected to provide a **detailed and technical discussion** of the project. In your presentation, you must draw on **performance results and experimental data** gathered for Milestone 4. If you do not have Milestone 4 working, use Milestone 2. Presenting Milestone 2, however, will result in a mark reduction. Presenting Milestone 4 results in a convincing manner, including a detailed analysis of the data gathered, will result in the highest mark.

Please arrive a few minutes early to your scheduled marking slot and wait outside the exam room where an usher TA will be attending to you:

- For BA-Bxxx rooms: the ushers will wait for you downstairs in the hall and bench area.
- For BA-12xx rooms: the ushers will wait for you in the hallway facing the elevators, next to the cafeteria. Do **NOT** use the recessed entrances from the main hallway (that area will be sealed off).
- For BA-11xx rooms: the ushers wait for you in the bench area of the main hallway on the ground floor, in front of the rooms.

Should you arrive late for your marking slot, you may have to wait until the last group has been marked to not impact the marking slots of other groups.

Guidelines

The exam is structured as follows:

- 12 minutes for the presentation (for teams of two students the time limit is the same, and for teams of four students the time limit is 16 minutes). See the outline below for what we expect you to follow.
- 18 minutes for questions and answers
 - You will be asked about your presentation
 - You will be asked standard questions (see samples below)

[TA](#) and [CI](#) marking rubrics are available to help you plan for the final presentation. Your team needs to bring **2** hard copies of the TA rubric, **1** hard copy of the CI rubric, and **2** copies of the [attribution table](#). All these forms must be properly filled-in in advance.

Presentation

Your presentation should discuss the following, but not necessarily in the order below:

- **One feasible use case scenario** describing an application of your storage server.
- **One non-trivial design decision in detail**, presenting technical details, highlighting pros and cons, and relating the decision to the necessities of your use case.
- **Performance results and analysis** of your storage server based on the experiments you conducted in Milestone 4. If Milestone 4 is not working, use Milestone 2, but you will incur a penalty for using Milestone 2.

You must hand in your [presentation outline](#). To begin the presentation, your team should provide a short agenda for the presentation and a brief overview of your system. The presentation must have a central point as an overall organizing factor. This may be the use case scenario, situated in the context of a real-world application, or it may be a major design challenge or decision. The choice of central idea is up to the individual team. Your presentation should also have a clear take-away message.

Your presentation must be *extemporaneous-prepared*. You may refer to a 3"x5" index card, but avoid reading from your card or delivering your presentation as though it were a pre-written speech. You want to develop a rapport with the audience and speak in a way that seems spontaneous and natural but is also well organized. This is the standard for engineering talks.

Your presentation must use PowerPoint or similar presentation software.

Question and Answer

The **18 minute** question and answer session will touch on a variety of topics, including the project requirements, your design decisions, your experiences implementing and evaluating the project, the software tools you used, and material from tutorials and lectures. Some questions will be addressed to individuals in your team based on your [attribution-table](#). For teams of two, the question and answer session will last 12 minutes, and for teams of four, the question and answer period will last 24 minutes. Some [sample](#) questions are listed below.

Your answers should be **precise and concise**. You are evaluated on the presentation, the conciseness, and the correctness of your answers.

Each member of the team will be questioned for six minutes and will be asked five questions, two by each TA and one by the CI. The final mark will total the marks for all questions. Questioners will not prompt students. They will be restricted to asking or repeating questions. No clues will be given, nor will there be any indication that a question was answered correctly or incorrectly.

Here are some of the questions you may be asked:

- Why are you asked not to modify the storage.h file?
- What is the difference between the client library and client application?
- What is the purpose of Check and what did you use it for?
- For today's presentation, what was your team's take-away statement, and why did your team choose it?
- How can a C program in Linux create a new thread?
- Describe two techniques to improve sentences. What are they and how do they work?
- What is the purpose of transactions?
- If you could go back to Milestone 2 knowing what you know now, what would you do differently?

Presentation slots

Please arrive at the assigned room at least 10 minutes before your assigned time slot. *All* your team members must be available for the presentation.

Remember to bring the following items to the presentation:

- Your presentation slides on a laptop
- Your presentation slides on a USB key
- Your [presentation outline](#)
- Two printouts of the [attribution table](#) completed in advance
- Two printouts of the [TA's final exam rubric](#) and one printout of the [CI's final exam rubric](#) with team id, team member names, and UTORid's filled-in in advance
- Three printouts of your presentation handouts (6 slides per page) in case of projector breakdown
- Communication Instructor course evaluations in a sealed envelope

	BA-1200	BA-1210	BA-1220	BA-1230	BA-1240	BA-1170	BA-1180	BA-1190	BA-B024	BA-B025	BA-B026
09:00 - 09:45	cd-091	cd-092	cd-093	cd-094	cd-095	cd-096	cd-097	cd-098	cd-099	cd-100	cd-101
09:45 - 09:55	Short Break										
09:55 - 10:30	cd-001	cd-002	cd-003	cd-004	cd-005	cd-006	cd-007	cd-008	cd-009	cd-102	cd-103
10:30 - 11:05	cd-010	cd-011	cd-012	cd-013	cd-014	cd-015	cd-016	cd-017	cd-018	cd-104	cd-105
11:05 - 11:40	cd-019	cd-020	cd-021	cd-022	cd-023	cd-024	cd-025	cd-026	cd-027	cd-106	cd-107
11:40 - 12:15	cd-028	cd-029	cd-030	cd-031	cd-032	cd-033	cd-034	cd-035	cd-036	cd-108	cd-109
12:15 - 12:50	cd-037	cd-38	cd-039	cd-040	cd-041	cd-042	cd-043	cd-044	cd-045	cd-110	cd-111

12:50 - 13:50	<i>Lunch</i>										
14:00 - 14:35	cd-046	cd-047	cd-048	cd-049	cd-050	cd-051	cd-052	cd-053	cd-054	cd-112	cd-113
14:35 - 15:10	cd-055	cd-056	cd-057	cd-058	cd-059	cd-060	cd-061	cd-062	cd-063	cd-089	cd-015
15:10 - 15:45	cd-064	cd-065	cd-066	cd-067	cd-068	cd-069	cd-070	cd-071	cd-072	cd-116	cd-118
15:45 - 16:20	cd-073	cd-074	cd-075	cd-076	cd-077	cd-078	cd-079	cd-080	cd-081	cd-119	cd-090
16:20 - 16:55	cd-082	cd-083	cd-084	cd-085	cd-86	cd-087	cd-088	cd-114	-	-	-

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