

# Exam Instructions

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Data Structure Spring 2025

## General Information

- Duration: You have 80 minutes to complete the exam.
- Format: The exam is closed book, meaning no reference materials are allowed. Close all unnecessary applications and windows. This includes any messaging applications, websites and translating tools.
- Grading: 30% of your final grade.
- Wifi Policy: Wifi must be turned off during the exam. You are only permitted to use wifi during the preparation and submission phases.
- Battery and Technical Issues: Ensure your device is fully charged, and you have enough disk space to save your work. No excuses will be given for such issues.
- AI Tools: The use of AI tools is strictly prohibited during the exam. This includes any form of AI assistance, such as chatbots or code generation tools. Violation of this rule will result in a zero grade.
- Finishing Early: Due to the complex coordination involved in this exam, you are required to stay in the exam room for the entire duration of the exam. If you finish early, we encourage you to use the remaining time to review your work for accuracy and completeness. This includes bathroom breaks, so plan accordingly.

## Schedule

- Phase 1 - Preparation (18:00 - 18:10) (10 minutes)

Use this time to download and prepare the exam materials. Wifi can be used.

- Phase 2 - Exam Period (18:10 - 19:30) (80 minutes) This is the official exam duration. **Wifi must be turned off**, and the exam will be conducted offline.
- Phase 3 - Submission (19:30 - 19:40) (10 minutes)

Immediately after the exam, you will have a 10-minute window to submit your work. Wifi can be used.

## Phase 1 - Preparation

### Downloading and Preparing Exam Materials

- Download Materials: Prior to the exam, download the exam materials from the provided link. Ensure this is done during the preparation phase.
- Extract Files: Unzip the downloaded file to access the exam materials.
- Open Exam File: Locate and open the exam.md file using your preferred text editor. This file contains the exam questions.

- Turn Off Wifi: Ensure your wifi is switched off as soon as the preparation time ends.

## Phase 2 - Exam Period

- Conduct: The exam must be completed individually without the aid of reference materials or internet access. Cheating or collaboration with others is strictly prohibited, and **will result in a zero grade**.
- Timing: You must adhere strictly to the exam timing. The exam starts and ends as per the schedule mentioned above. Late submissions will not be accepted. Submission time will be based on the last modified timestamp of the submitted archive (.zip).
- Questions about Questions: No questions about the exam content are allowed during the exam. If you encounter any issues, make your best attempt to solve the problem.

## Phase 3 - Submission

- Save Your Work: Ensure all your answers are saved in the archive. You cannot make any changes after the exam period ends.
- Prepare Submission: Zip the folder containing your exam work. Rename the zipped file with your student ID, following the format {student-id}.zip (for example, 2024123456.zip).

Your archive structure should be as follows (no nested directories are allowed, keep your files flat):

```
{student-id}.zip
├── a1.py
├── a2.py
├── ...
├── b1.py
├── ...
```

Only include the files you created or modified during the exam (a1.py, a2.py, ...). Do not include any other files or directories.

- Turn On Wifi: Re-enable your wifi to submit your work.
- Submit Work: Upload the zipped file to the submission portal (the link will be provided by your instructor or TA).
- Wait for Confirmation: Stay online until you receive a submission confirmation from the Teaching Assistant (TA).

Note: Please follow all instructions carefully to ensure your exam submission is successful. If you encounter any issues during the submission process, contact the instructor or TA immediately within the submission time frame.

## Exam File Structure

- Content of the Exam File: The exam file contains multiple questions, each with a problem statement, skeleton code snippet and a sample input/output. Note that the sample input is provided for your

reference and may not cover all edge cases.

- Partial Credit: Partial credit may be awarded for incomplete or partially correct answers. Make sure to attempt all questions.
- Skeleton Code: The exam file contains skeleton code for each question. It is crucial that you **do not modify the skeleton code itself**. Your solutions should be written only within the designated areas, which are clearly marked within the exam file. Altering areas outside the designated zones could negatively impact your grade.
- **Good luck with your exam!**