

Overview of the project

The project for TDT4305 consists of four tasks. Each task consists of one or more subtasks. A subtask is either about implementing a few methods, expressions, or statements—or describing a few terms, or answering a few questions.

The project has two parts. Part one consists of three tasks; part two has only one task. Each task has a corresponding notebook file. We will use [Databricks Community Edition](#) to open, edit, and run each notebook. I made a short tutorial on how to get started with Databricks Community Edition for this project which is available [here](#). Feel free to use other resources available.

What you are supposed to do

The general procedure for fulfilling a task from the project is as follows:

1. Import the notebook of the task into your Databricks Community Edition environment
2. Carefully read the content of the notebook
3. Implement the code that is requested and answer the questions that were asked
4. Make sure that the notebook runs without any error
5. Save the notebook for submission later

How to submit your work?

When you are done with the tasks for part one, place the notebooks in a zipfile named 'PartOne.zip' and upload it.

When you are done with the tasks for part two, place the notebook in a zipfile named 'PartTwo.zip' and upload it.

The information about the tasks for each part and the deadlines for submission

Part	Tasks	Submission Deadline	Grade Points
1	1, 2, 3	March 6, 2022, before 11.30pm	14
2	4	March 27, 2022, before 11.30pm	11

Additional information

Use Python for implementation and Markdown for writing in the notebooks.

Please post your questions on Piazza.

The part you need to write some code to implement something is marked as “## YOUR IMPLEMENTATION ##” in the notebooks.

In case you submitted your work multiple times, the most recent submission will be graded.

You can do the project in teams of two people; if you are in a team, both you and your teammate must separately submit your work.

Each grade point is equal to one percent of the final grade for the course.