

## 1 Description

In this project, you will write a develop an application to track tasks you need to complete and schedule what you do next.

## 2 Work plan

The work consists of the following units:

- ✓ Create a simple console application that allows to *add* todo tasks. Such a task should consist of a title, description, due-date and a level of importance as well as estimated time to completion.
- ✓ Add functionality to your application to *list* and *delete* tasks. Make sure that you can list tasks by the level of importance or the due-date.
- ✓ Add the ability to persist and load tasks from a file into your program.
- ✓ Add a command that recommends a sensible task for you to work on next. The algorithm should take into account the current date, the due-date, the level of importance and the estimated time it takes to complete the task.
- ◇ Add the ability to mark tasks as done. Finally, add functionality that lists an overview of all tasks you have done during the last 5 days / week and gives a total amount of hours you have worked on your tasks.
- ◇ Develop a small GUI application that can list tasks and allows you to mark tasks as complete.

## 3 Scope

The project counts as completed if the system can be demonstrated implementing the functionality of all ✓-items. The ◇-items are optional items for extra points.