# Introduction

The application manages the tasks of an active person ( an individual that has a considerable number of daily tasks ). Its user will be able to open a desktop application that deals with all the tasks he had, he has and will have. The user will be able to create, modify, delete , view and filter tasks. The information will be saved and loaded from a file, which will be either binary or text.

# Requirements

The app will be developed in Java using Maven and JavaFX for the user interface , the desktop app will be able to run on any device that supports JVM.

Task data will be read from a file “text.txt” and includes the following information for each saved task: Title, Start Time, End Time, Is Active, Interval.

## Functional Requirements

| Section/ Requirement ID | Requirement Definition |
| --- | --- |
| F0 | Adding a new task with details : description, starting date and time, ending date and time, active status. If the task is repetitive, then the repetition period will be specified in number of hours and minutes. A task can be active or not. |
| F1 | The display of planned task in a certain interval of time will be done by specifying the starting date and time of the period and the ending date and time of the period. |
| F2 | Displaying the information of a certain task. ( description, starting date and time, ending date and time, active status, repetition interval ) |
| F3 | Modifying a certain task’s details. ( description, starting date and time, ending date and time, active status, repetition interval ) |
| F4 | Deleting a certain task. |

## User Interface Requirements

The user should be presented a desktop window where he can view his/her tasks, view details about any of them, delete, modify or add a new task, filter the tasks using a time period. Each option is describing one of the functional requirements. After choosing an option the program should ask the user to enter the needed information for the operation.