The application manages the tasks of an active person.

The app will pe developed on the following technology stack: JavaFx for GUI, Maven as a project management tool, Apache Log4j as the logging utilityand also SonarLint, an IDE extension that helps detecting and fixing code quality issues. The information is taken from a binary or text file.

The app won’t be hosted because it’s not following a client-server arhitecture.

There are no multiple type of user and no login is required, so, as a end-user, when I open the app I will only see a single main window app, fro where I would like to be able to do the following actions:

0.View all the existing tasks from the database on a table that has the following columns:

Title(string containing any type of characters), Time( string with the following format: YYYY-MM-DD HH:mm), Repeated ( No- if the the task is not repeatable or a string with the following format if the task is repeatable: ‘Every <No of days> days <No of hours> hours <No of minutes> minutes)

1. Add a new task

By clicking the New button on the main window app, a new window shows up with the following components:

- a text field for the title of the new task that must be a string containing any type of characters

- a date picker for the time and a field for hour that should have the following format: HH:mm (0<HH:hour<24, 0<mm:minutes<60)

- a checkbox for the active status for the new task

- a checkbox for the repeated status for the new task which enabled two other fields: a date picker and a time text field for end time that should have the following format: HH:mm(0<HH:hour<24, 0<mm:minutes<60) and a text field for interval time that should have the following format:(0<HH:hour<24, 0<mm:minutes<60).

The new task can be saved by clicking the Ok button, or the window can be closed by clicking the Cancel button.

2.Edit an existing task

On the main window app, by clicking on the row on the table for a task and after clicking the Edit button, a new window shows up with the same fields as the one for creating a new task, but with all the existing details completed for the fields.

The new task can be saved by clicking the Ok button, or the window can be closed by clicking the Cancel button.

2.Delete an existing task

On the main window app, by clicking on the row on the table for a task and after clicking the Delete button, the selected task won’t be shown in the tasks table and will be deleted form the app database.

3. View the details of a task

On the main window app, by clicking the More.. button a new window shows up with the following text infos:

Title(string), Start time( string with the following format: YYYY-MM-DD HH:mm), End time( string with the following format: YYYY-MM-DD HH:mm), Interval(no if the task is not repeatable/string with the following format if the task is repeatable: ‘Every <No of days> days <No of hours> hours <No of minutes> minutes, Is active (yes/no)

The window can be closed by clicking the Ok button.

4. Apply a filter on tasks

On the main window app, the user can complete two sets of two fields for the time interval which he wants to see the existing tasks: a date picker and a time text field for end time that should have the following format: HH:mm(0<HH:hour<24, 0<mm:minutes<60).

By clicking the Show button he can see the filtered tasks on the table and by clicking Reset he can unable the filtering.

There are no *Nice-to-have” features at this moment, neither security or* test strategies.