

Assignment 1 - G03P02

Group information

- Ana Inês Oliveira de Barros - up201806593@fe.up.pt;
- João de Jesus Costa - up201806560@fe.up.pt

Project description

The project is a time tracking tool that allows users to track their daily tasks and the time invested in each of them. With this app, users obtain a record of their activities and work time.

Project structure

- The project is organized in 4 packages;
- The main function resides in the `JTimeSchedApp.java` file (in the root package);
- Most of the code logic resides in the `Project` class (in the project package).

```
de.dominik_geyer.jtimesched      - root package
|-- JTimeSchedApp.java           - location of main function
|-- gui                          - gui related code
|   |-- ColorDialog.java
|   |-- JTimeSchedFrame.java
|   |-- NotesDialog.java
|   -- table
|       |-- CheckCellRendererer.java
|       |-- ColorCellEditor.java
|       |-- ColorCellRendererer.java
|       |-- CustomCellRendererer.java
|       |-- DateCellEditor.java
|       |-- ProjectTable.java
|       |-- TimeCellComponent.java
|       |-- TimeCellEditor.java
|       -- TimeCellRendererer.java
|-- misc
|   -- PlainTextFormatter.java
-- project                        - task related code
    |-- Project.java              - where most code logic resides
    |-- ProjectException.java
    |-- ProjectSerializer.java
    |-- ProjectTableModel.java
    -- ProjectTime.java
```

Static testing

Static testing is one of the testing techniques for checking faults in software. The main advantage of static code analysis is the fact that it is performed without executing the code, thus being more lightweight than other types of testing. For this reason, it is usually employed before executing the rest of the software's test suite.

Static test tools are able to detect faults prior to the execution of other tests, and warn about *suspicious* aspects of the code. Another aspect that these tools help with is code maintainability/design by allowing to enforce a certain code style.