

OOP Team report (2nd stage)

Team: 404

Lukas Šerelis and Karolis Zabulis

1.

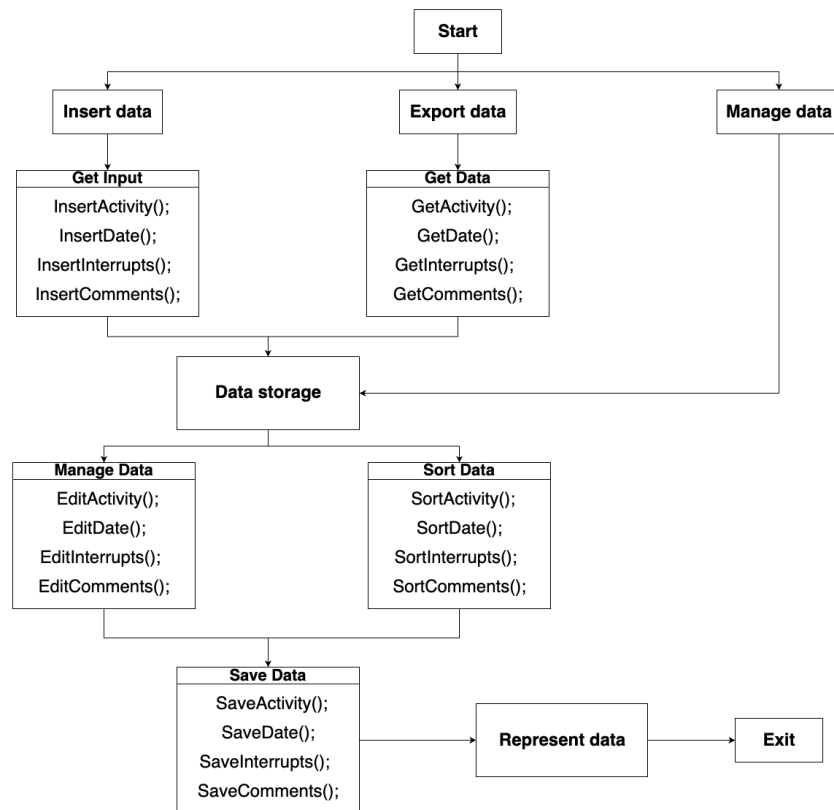
TeamID	Member1	Member2	Team Description
404	Lukas Šerelis	Karolis Zabulis	Two first year students from Vilnius University Faculty of Mathematics and Informatics doing project for Object-Oriented Programming course

Architect	Builder	Critic	Designer	Exhibitor	Facilitator
Karolis Zabulis	Karolis Zabulis	Lukas Šerelis	Lukas Šerelis	Karolis Zabulis	Lukas Šerelis

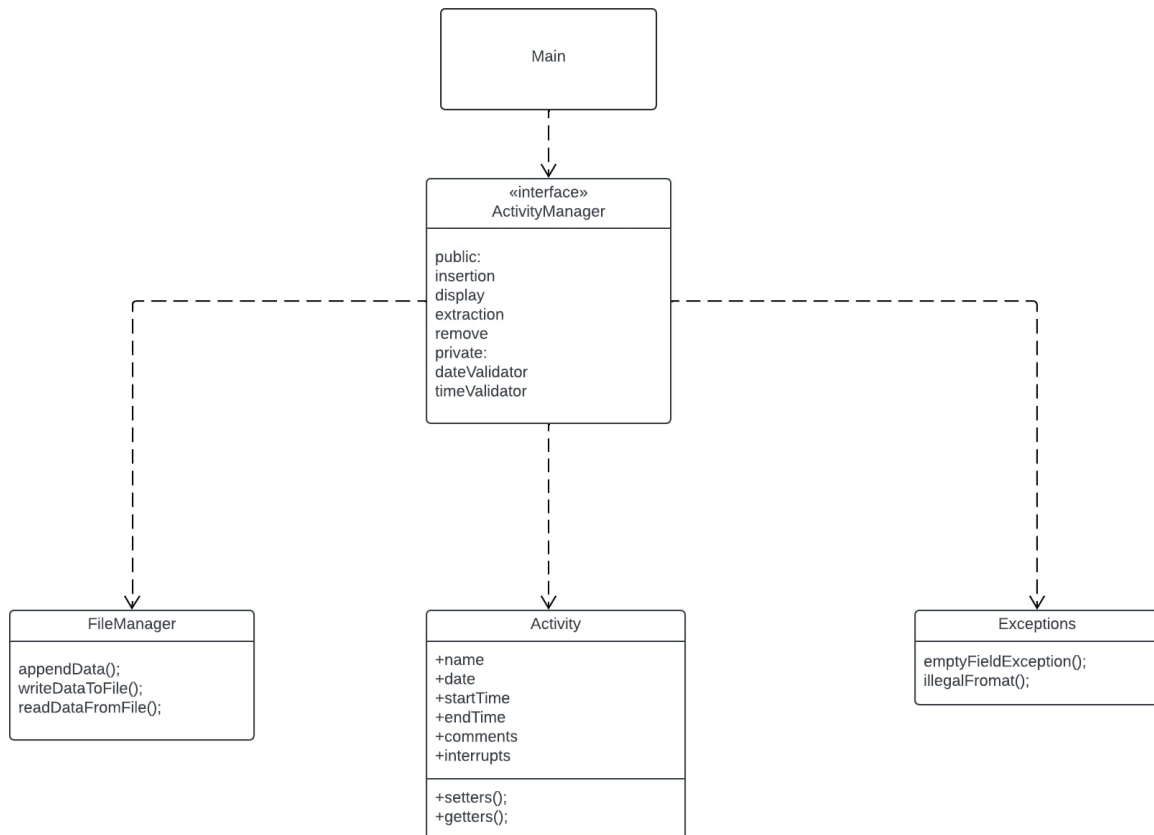
Project	Project Description
Time Manager	A Java program that allows users to enter activity, date, start, end of it, interruptions, comments and represents it.

2.

Structure of the project diagram (1st stage)

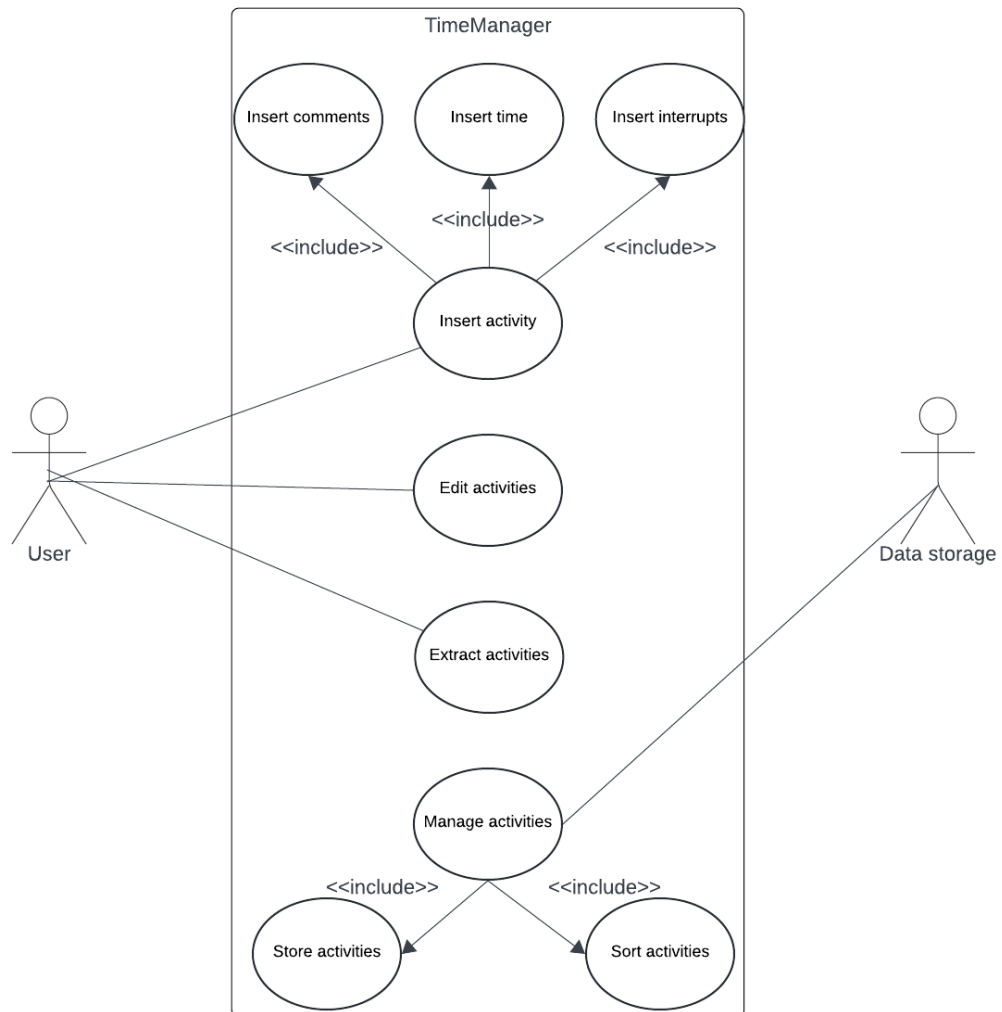


Structure of the project diagram (2nd stage)



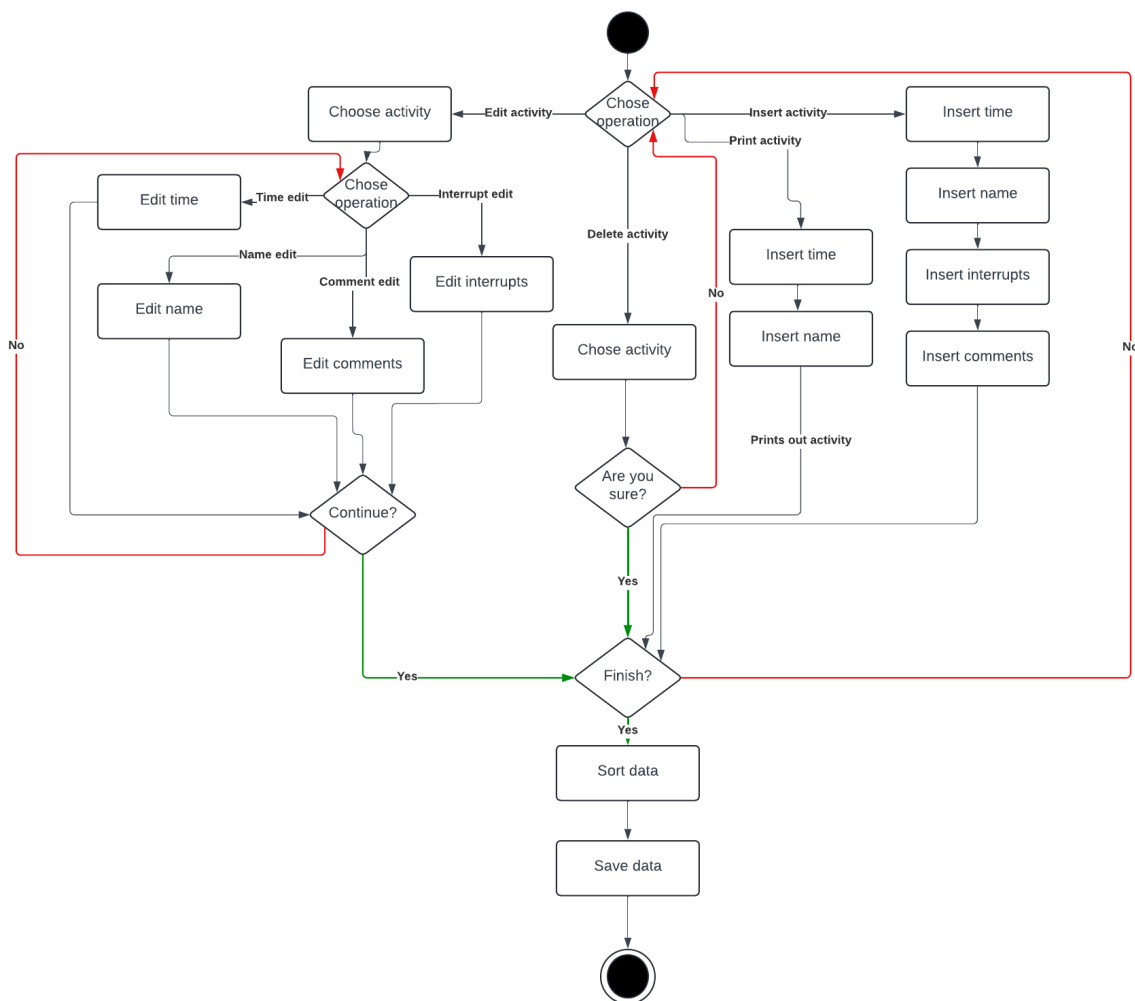
3.

Use case diagram



4.

Activities diagram



5.

Available features

- Insert activities
- Store activities
- Display stored activities
- Delete selected activity from storage
- Edit selected activity
- Error handling

To Do

- Implement GUI
 - Improve quality of code
 - Add comments
-

6.

Running instructions

For successful compilation of this program firstly you should include GSON (A java library created by Google. It is used to convert Java Objects into their JSON representation and similar tasks) library to your IDE regarding this program. You can find GSON files in Java-Time-Manager catalogue called `lib`.

7.

Workloads

1st stage

	Lukas Šerelis	Karolis Zabulis
Architect	30 minutes	120 minutes
Builder		60 minutes
Critic		
Designer		
Exhibitor	120 minutes	30 minutes
Facilitator	30 minutes	
Total	180 minutes	210 minutes

2nd stage

	Lukas Šerelis	Karolis Zabulis
Architect	15 minutes	30 minutes
Builder	180 minutes	420 minutes
Critic	15 minutes	
Designer	180 minutes	
Exhibitor	120 minutes	60 minutes
Facilitator		
Total	510 minutes	510 minutes

8.

Tools and technologies

- JDK (Java development kit)
 - Java Swing
 - Git
 - GSON (A java library created by Google)
 - If any others will be used, they will be documented here
 - Project will be written in Java programming language
 - Will be tested on Windows 64bit and macOS arm64
 - IDE's: Visual Studio Code and IntelliJ IDEA CE
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9.

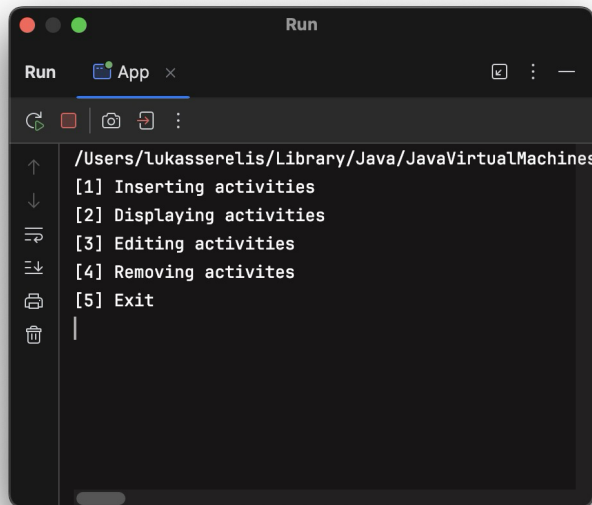
Source code

- If you want to try program without GUI - clone the `alpha` branch
- If you want to try program with GUI - clone the `alphaGUI` branch
- `main` branch is just our "hello world" test
- Or just clone `alphaGUI` and run `App.java` if you want without GUI or run `tryGUI.java` to try with GUI

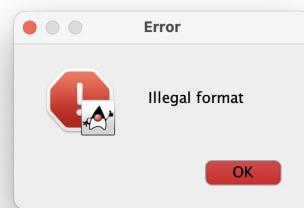
GitHub page: <https://github.com/lukrencijus/Java-Time-Manager>

10.

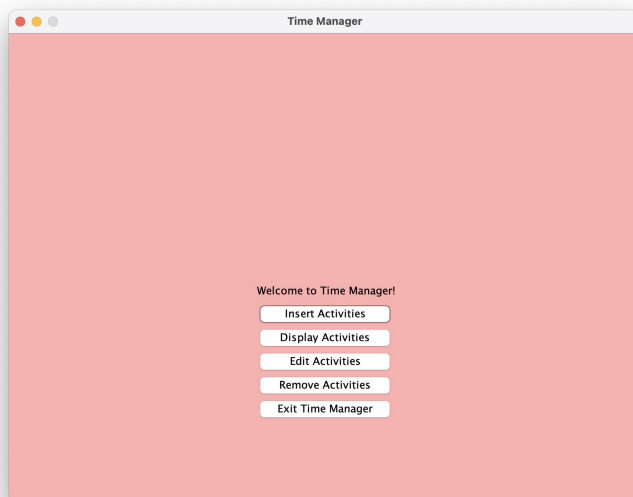
Demonstration



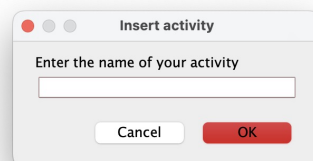
↑Without GUI



↑GUI error



↑With GUI



↑GUI when user presses a button