Team submission (1st stage)

Lukas Šerelis and Karolis Zabulis

1.

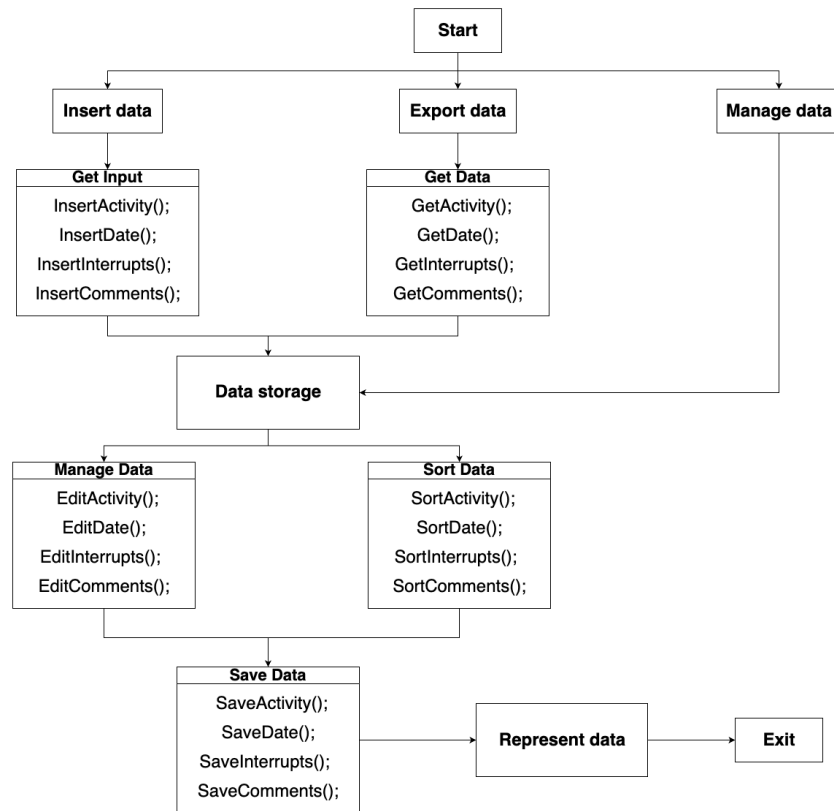| TeamID	Member1	Member2	Team Description
404	Lukas Šerelis	Karolis Zabulis	Two first year students from Vilnius University Faculty of Mathematics and Informatics doing project for Object-Oriented Programming course

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

2.

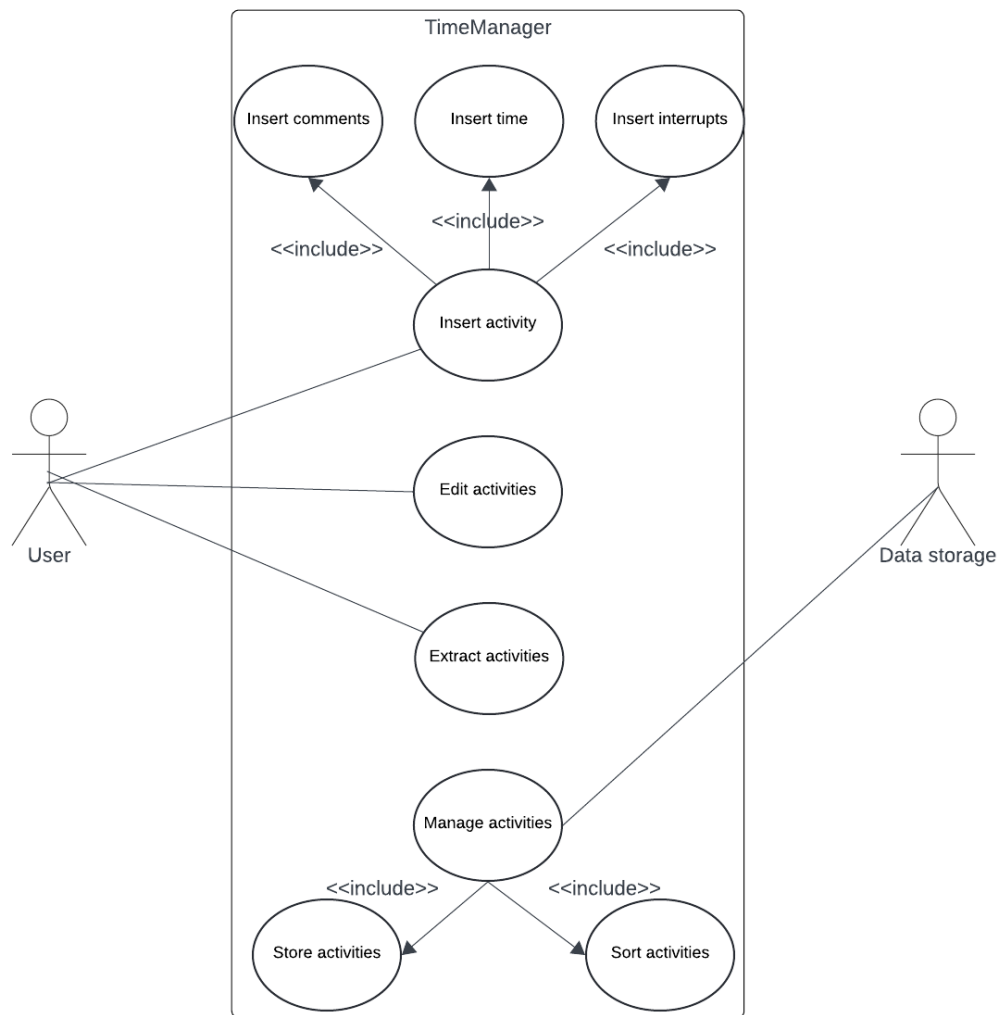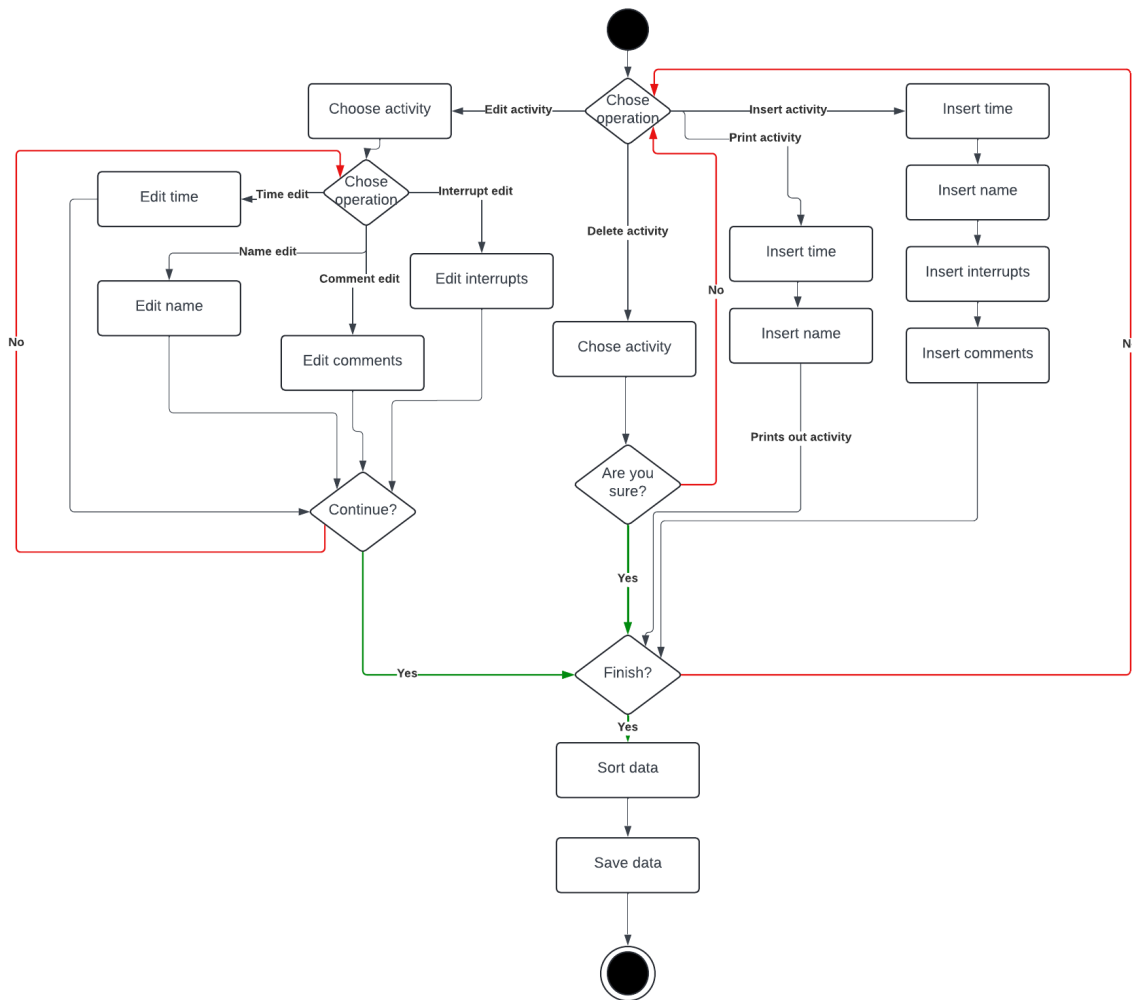| Project	Project Description
Time Manager	A Java program that allows users to enter activity, date, start, end of it, interruptions, comments and represents it.

3.

Structure of the project diagram


```
                              ┌─────────┐
                              │  Start  │
                              └─────────┘
        ┌───────────────────────┼───────────────────────┐
   ┌─────────────┐        ┌─────────────┐          ┌─────────────┐
   │ Insert data │        │ Export data │          │ Manage data │
   └─────────────┘        └─────────────┘          └─────────────┘
   ┌─────────────────┐    ┌─────────────────┐
   │    Get Input    │    │    Get Data     │
   ├─────────────────┤    ├─────────────────┤
   │ InsertActivity();│   │ GetActivity();  │
   │ InsertDate();    │   │ GetDate();      │
   │ InsertInterrupts();│ │ GetInterrupts();│
   │ InsertComments();│   │ GetComments();  │
   └─────────────────┘    └─────────────────┘
                  ┌──────────────────┐
                  │   Data storage   │
                  └──────────────────┘
   ┌─────────────────┐    ┌─────────────────┐
   │   Manage Data   │    │    Sort Data    │
   ├─────────────────┤    ├─────────────────┤
   │ EditActivity(); │    │ SortActivity(); │
   │ EditDate();     │    │ SortDate();     │
   │ EditInterrupts();│   │ SortInterrupts();│
   │ EditComments(); │    │ SortComments(); │
   └─────────────────┘    └─────────────────┘
              ┌─────────────────┐
              │    Save Data    │
              ├─────────────────┤
              │ SaveActivity(); │      ┌──────────────┐      ┌──────┐
              │ SaveDate();     │─────▶│ Represent data│────▶│ Exit │
              │ SaveInterrupts();│     └──────────────┘      └──────┘
              │ SaveComments(); │
              └─────────────────┘
```

4.

Use case diagram

5.

Activities diagram

6.

Tools and technologies

- JDK (Java development kit)

- Git

- 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

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

8.

Source code

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

9.

Demonstration

- Our program will be working in a way like a calendar, but it will have a little bit different approach

- It will help you to manage your time by saving and documenting your activities

- Demonstration video: https://www.youtube.com/watch?v=fLjadP76cFk&t=53s

- Demonstration shows that we will be using simple graphical user interface to supplement our program

- Our "domain-specific hello-world"