## Finance Manager App

### Team: Unhandled Exception

#### **Authors**

Name	Role
Robert Šatkevič	Backend Developer, Documentation Writer, Tester, Quality Assurance
Aurimas Vižinis	Frontend Developer, Documentation Writer, Presenter, Communication Specialist
Dominykas Pavlavičius	Programmer, Tester

Repository

GitHub: https://github.com/NoSparkles/komandinis-projektas\_cpp\_2\_semestras.git

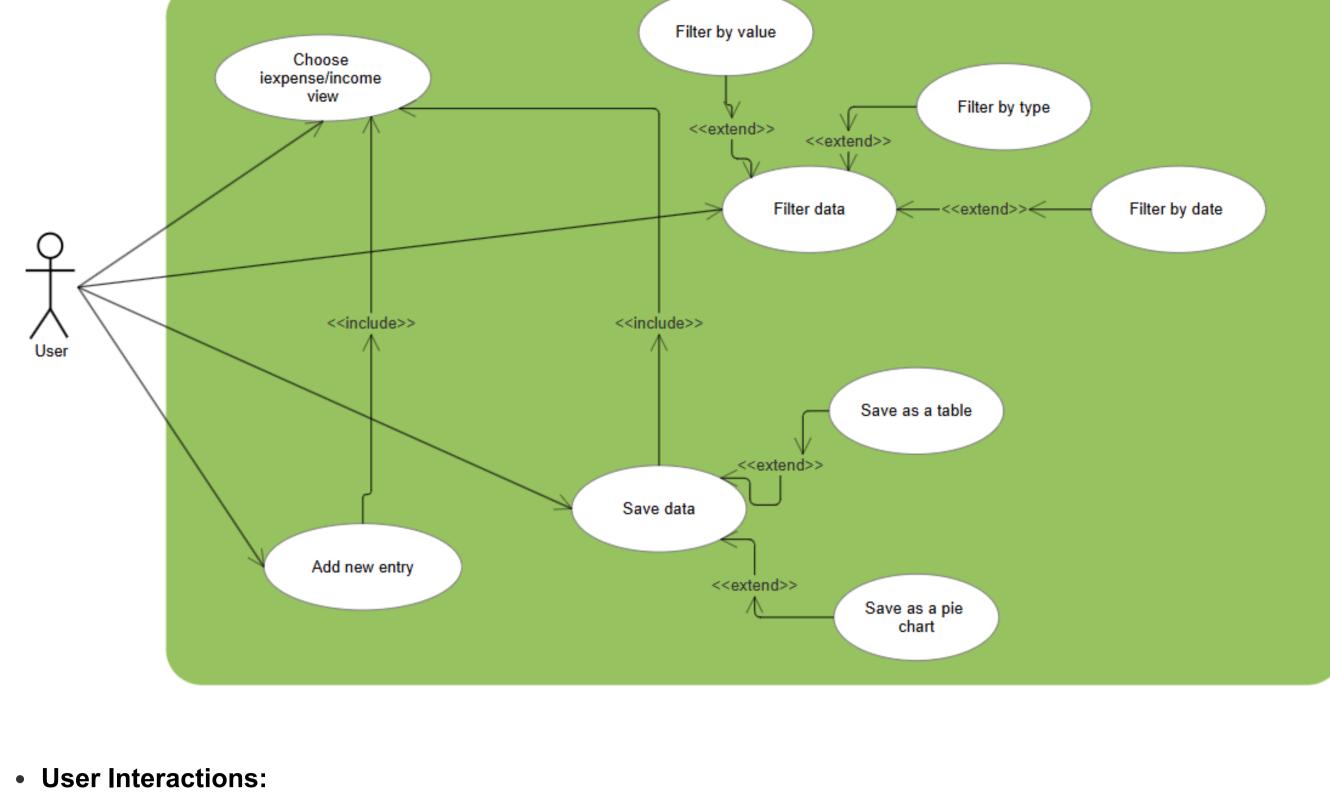
### The Finance Manager App is a comprehensive tool designed to help users manage their finances effectively. It allows

**Description** 

users to track income and expenses, apply filters, and visualize data through tables and pie charts. The app also supports exporting filtered data for further analysis.

## **Use Case Diagram**

**Features Overview** 



### charts.

**Analysis** 

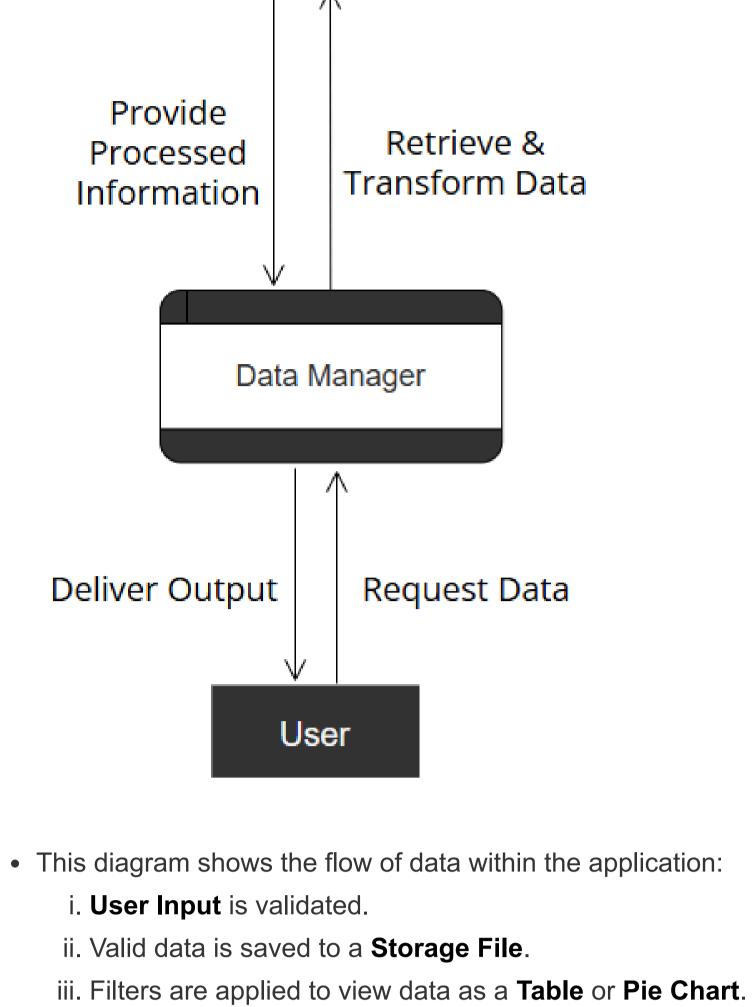
• The diagram illustrates how the user interacts with the system, including choosing between income or expense

views, adding new entries, filtering data by value, type, or date, and saving/exporting data as tables or pie

# Flowchart Diagram

### Storage System

**Data Flow Overview** 



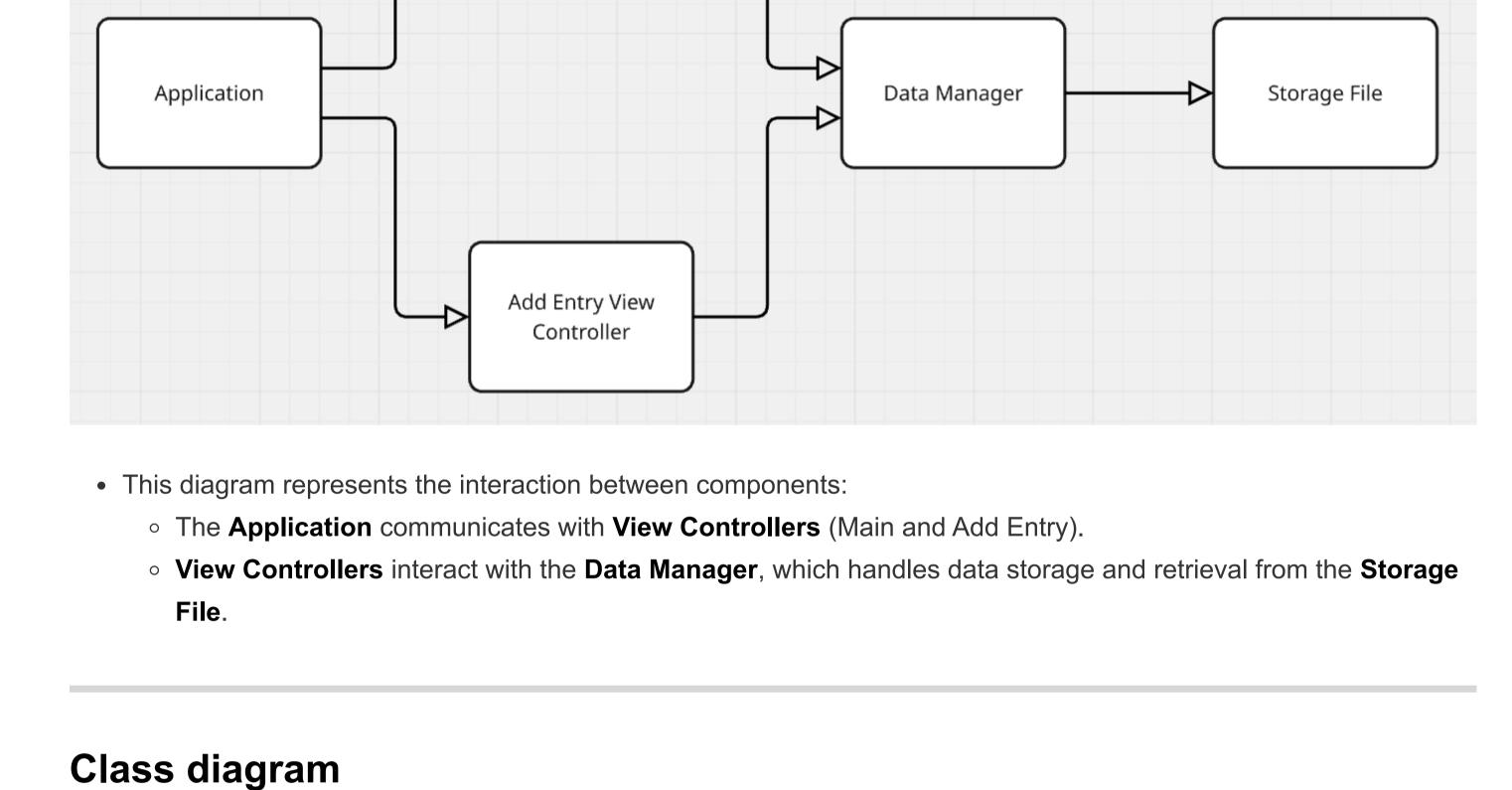
**Component Interaction Diagram** 

iv. Data can be exported or saved.

**Application Flow** 

Main View

Controller



Entry

- amount: double

+ Entry(...)

+ getId(): int

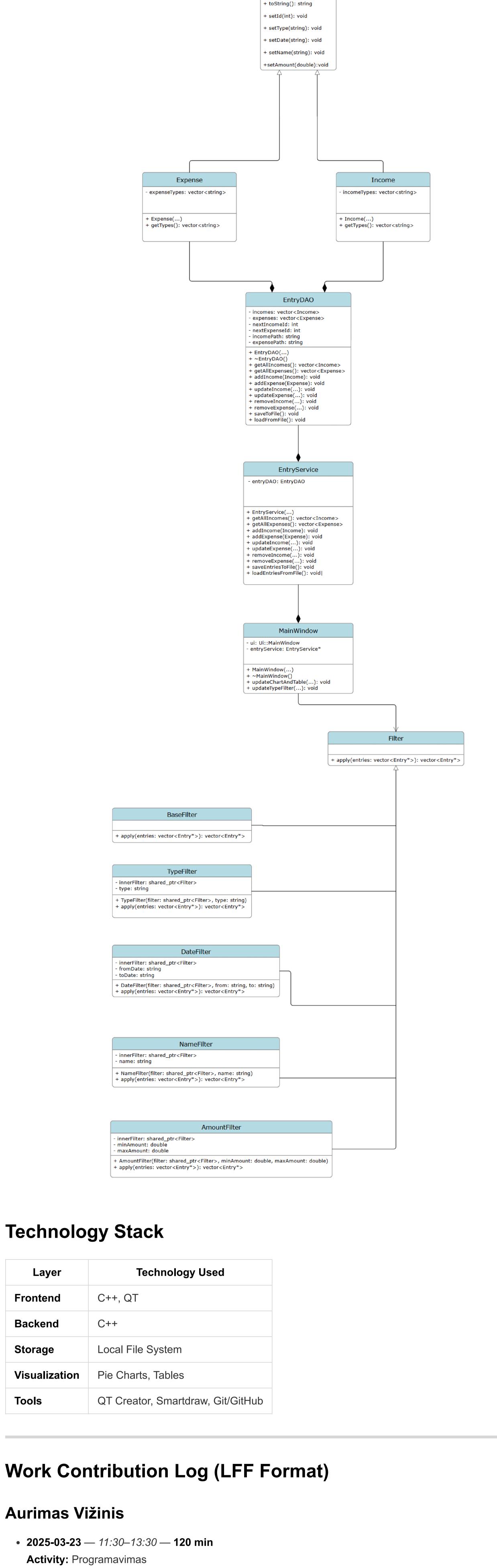
+ getType(): string

+ getDate(): string

+ getName(): string

+ getAmount(): double

#### - id: int - date: string type: string - name: string



#### **Comments:** Frontend dalies programavimas • 2025-03-26 — 11:00-13:00 — 120 min Activity: Planavimas, PSP veikla Comments: UML diagramos, pildoma laiko fiksavimo lentelė

**Activity:** Atsiskaitymas

**Activity:** Programavimas

**Activity:** Programavimas

STAGE 3

Layer

**Frontend** 

**Backend** 

Storage

**Tools** 

**Visualization** 

Comments: Frontend dalies koregavimas bei atnaujinimas • 2025-05-07 — 13:00—15:00 — 120 min Activity: PSP veikla, Komandinis darbas Comments: Klasių diagrama

• **2025-04-05** — *18:00*–*19:10* — **70** min

• 2025-04-25 — 15:30—16:30 — 60 min

Comments: Klaidų taisymas: readme, UML diagramų taisymas

**Comments:** Front-End pakeitimas Robert Šatkevič

• 2025-03-26 — 11:00-13:00 — 120 min

• 2025-05-28 — 12:00—13:00 — 60 min

Activity: Planavimas, PSP veikla Comments: UML diagramos, pildoma laiko fiksavimo lentelė • **2025-04-05** — *18:00*—*19:10* — **70** min **Activity:** Atsiskaitymas

Comments: Klaidų taisymas: readme, UML diagramų taisymas

- **2025-04-24** *09:00–11:30* **150** min **Activity:** Programavimas Comments: Backend dalies kodavimas (DAO, service, model) • 2025-05-07 — 13:00—15:00 — 120 min
- Activity: PSP veikla, Komandinis darbas Comments: Klasių diagrama STAGE 3 • 2025-05-27 - 15:00-15:30 - 30 min

**Comments:** Exportavimo feature

• 2025-05-27 - 16:00-16:30 - 30 min

**Acitivity:** Programavimas

- Acitivity: Projektavimas, Programavimas Comments: Tobulinimas esamų klasių **Dominykas Pavlavičius**
- 2025-04-25 10:00—11:40 100 min Activity: Kodo peržiūra, Programavimas

#### Comments: Sujungiau Backend su Frontend • 2025-05-07 — 13:00—15:00 — 120 min Activity: PSP veikla, Komandinis darbas

- Comments: Klasių diagrama STAGE 3 • 2025-05-28 — 18:00—19:00 — **60 min**
- **Activity:** Programavimas Comments: Filtrų cpp failai • 2025-05-29 — 21:00—22:10 — 70 min
- **Activity:** Programavimas

# Comments: Sujungti filtrai su Front-end

# Komandos darbo suvestinė: Suvestinė.xlsx

Suvestinė

 Demonstracinis vaizdo įrašas Aurimo darbo indėlis

Roberto darbo indėlis

Dominyko darbo indėlis

**Video**