

# Finance Manager App

Team: *Unhandled Exception*

## Authors

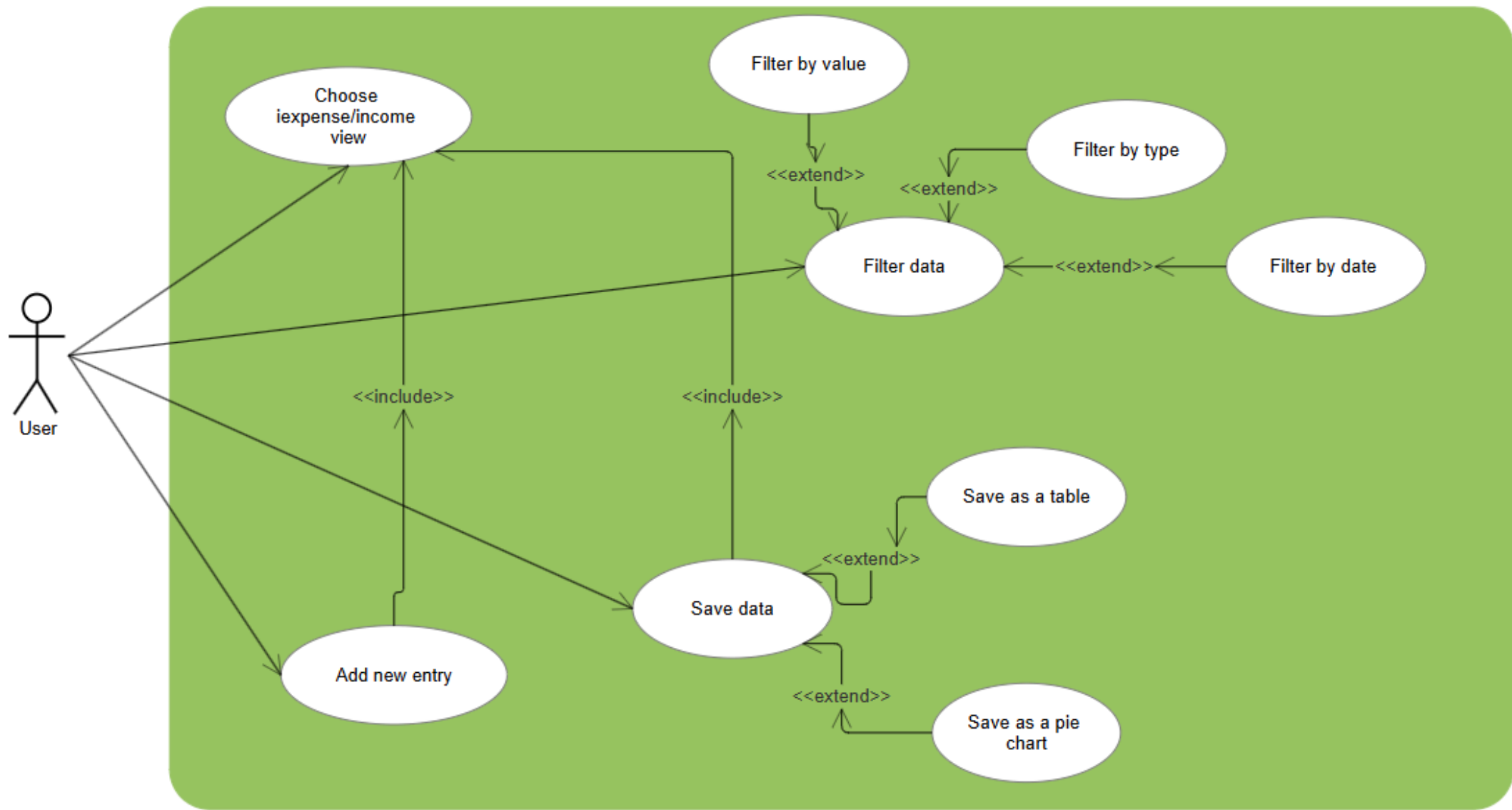
Name	Role
Robert Šatkevič	Backend Developer, Documentation Writer
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## Technology Stack

Layer	Technology Used
Frontend	C++, QT
Backend	C++
Storage	Local File System
Visualization	Pie Charts, Tables
Tools	QT Creator, Smartdraw, Git/GitHub

## Features Overview

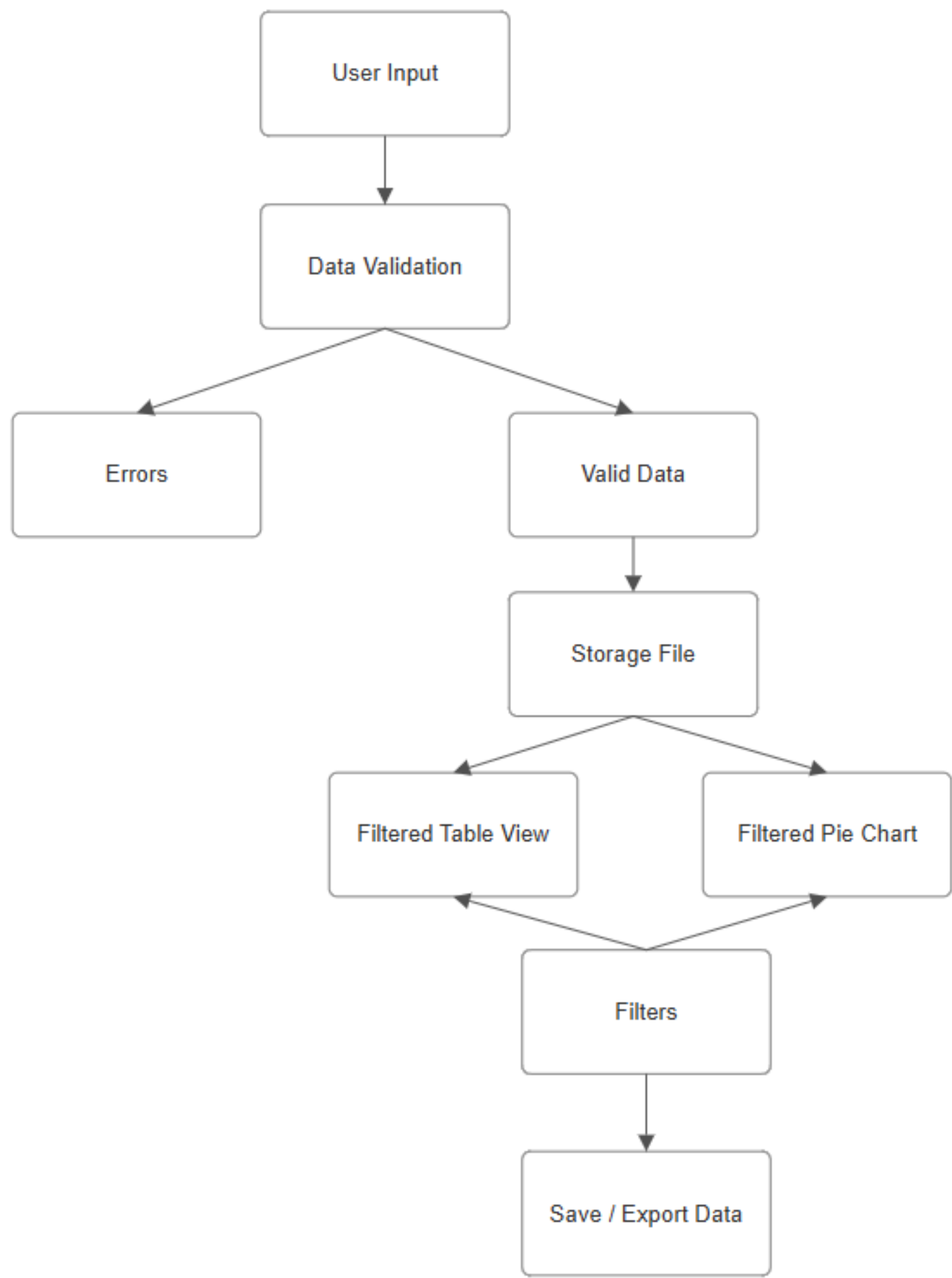
### Use Case Diagram



- **User Interactions:**
  - Choose between income or expense view
  - Add new financial entries
  - Save and export data
  - Filter data by value, type, or date
  - Export filtered data as a table or pie chart

## Data Flow Overview

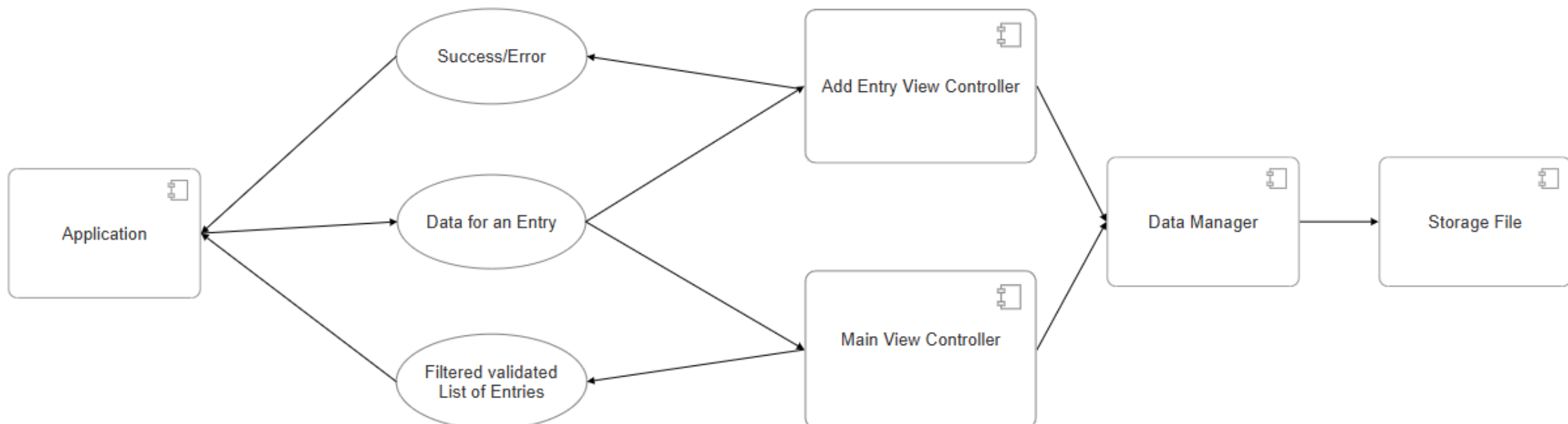
### Flowchart Diagram



1. **User Input**
2. **Data Validation**
  - Shows **Errors** or proceeds with **Valid Data**
3. **Valid Data** is saved to a **Storage File**
4. Apply **Filters**
  - View as **Table** or **Pie Chart**
5. **Export/Save Data**

## Application Flow

### Component Interaction Diagram



- The **Application** sends and receives:
  - Entry Data
  - Success/Error responses
  - Filtered list of entries
- **View Controllers** (Add / Main) interact with the **Data Manager**
- The **Data Manager** handles communication with the **Storage File**

## Export Formats

- Filtered entries can be exported:
  - As tables
  - As pie charts for visual breakdown