Web Services

Personal Finance Management Tool

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Functional perimeter

This project aimed to create a personal finance management tool that can

- Let users sign-in and sign-up.
- Let users view their expenses and incomes *vis-à-vis* their budgeting and savings goals.
- Let users modify, delete, add their expenses and incomes
- And, finally, set their budget and savings goals.

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Three-Layer Architecture

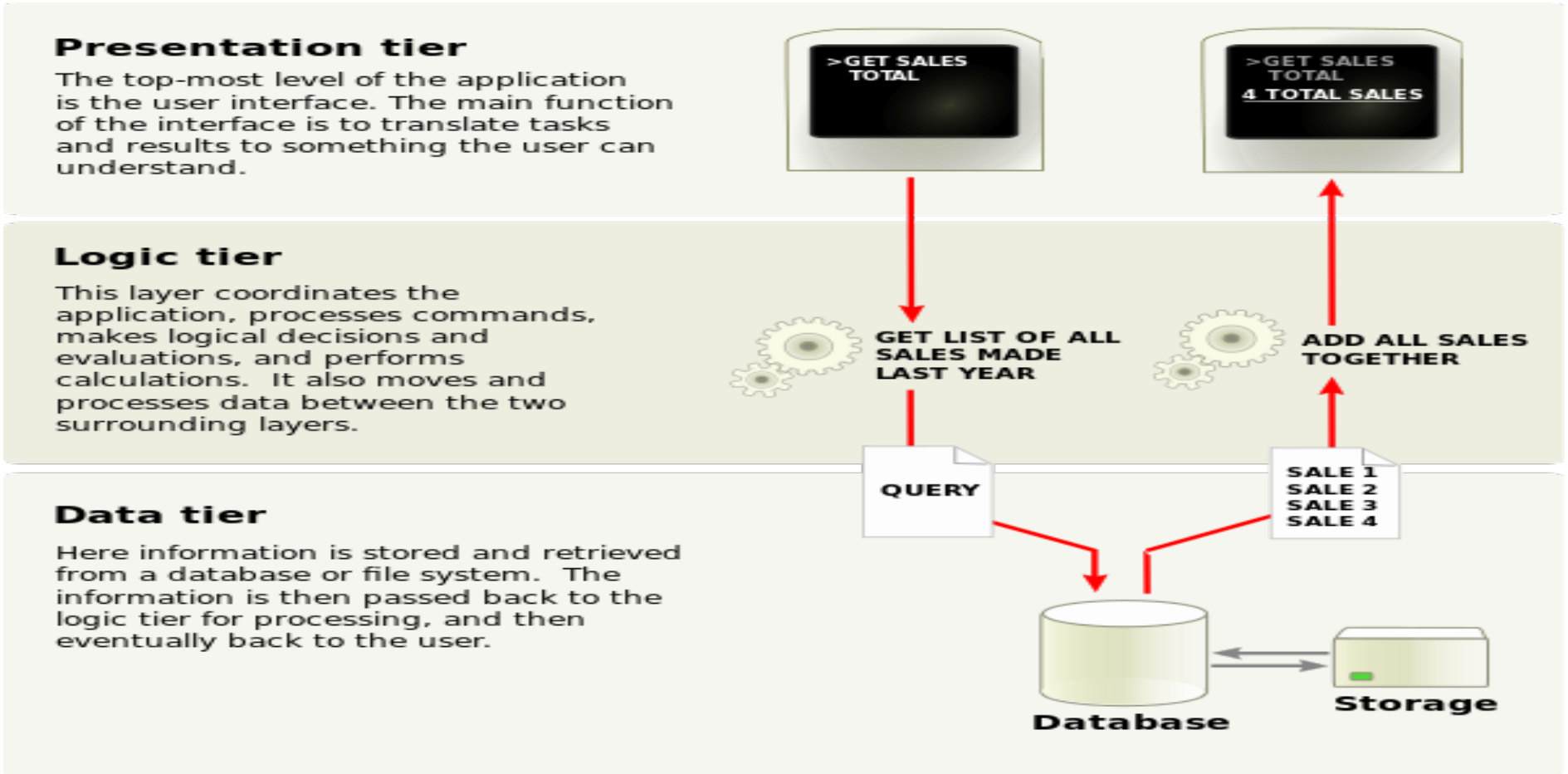

Figure: © Wikipedia

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Modelling

This project is structured following the three-layer architecture

Figure: UML Class Diagram

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API

The API performs all CRUD operations on the database.

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Open API Specification

The Open API Specification can be found after running the project at <url>:swagger-ui/index.html

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Sign-in

OIKONOMOS

Please sign in

Don't have an account? Sign up here

Email address

Password

Sign in

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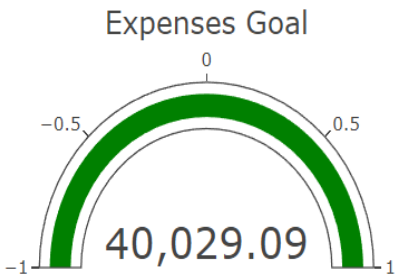
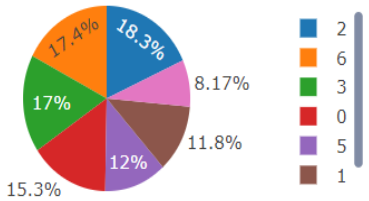
Dashboard

Expenses Incomes Budget Goal Savings Goal



Expenses

Expenses by Category



CRUD Table(s)

Expenses Incomes Budget Goal Savings Goal

Date	Name	Category	Amount	Add
2024-04-19	2024-04-19	0	539.36	Update Delete
2024-04-18	2024-04-18	1	181.67	Update Delete
2024-04-17	2024-04-17	2	1450.02	Update Delete
2024-04-16	2024-04-16	3	973.33	Update Delete

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Launch

To run this app,

- Make sure to have a running MongoDB server on mongodb://localhost:27017/oikonomos with MongoDB Compas or the provided url in Mongo Atlas.
- Then launch mvn clean spring-boot:run.