

Accounting System

Web Programming Project

Idea of the project:

- Conducting accounting processes in order to enable better organization, records and planning of companies.
- For each good and service a separate view of sales.
- Graphic display of data.
- Better review and comparison of sales for each month of the current year.

Included architectures, design and implementations:

- MVC design pattern
- Factory design pattern
- Heterogeneous Architecture
- Layered Architecture
- PDF generator
- Error page for unavailable routes
- Chart.js for visualization
- OAuth google authentication
- Email sender
- REST API
- Data Transfer Object

Use case flow simplified in few steps:

- User registration.
- User login.
- Adding a company for the current user.
- Adding products/services.
- Adding quantity of goods/services for a purchase.
- Generating PDF at the end of the year for accounting need.
- Sending email with reports about sales.