

Finance Master

The application is based on the QT creator, it is needed to work with finances and provide analytics of expenses. Users can find detailed explanations and calculations of his/her spendings during the period, find graphical explanations by categories and time period and set up the limit to control himself/herself.

Technical Specification:

Application works with macOS and Windows, providing buttons and several windows and widgets with explanations of csv files loaded from the user's computer.

Windows:

- **Start page** - the first page for choosing the csv file with finance data of the user.
- **Mainwindow** - provides buttons such as:
 - **Cost analysis** which provides line graph with amount of spendings by weeks,
 - **Table View** with table view of csv file,
 - **List View** with list view of amount of spendings by category,
 - **CashBack** which provides cashback amount earned by user,
 - **TotalSpending** provides total spendings and warning if users overtake budget limit,
 - **Exchange rate** which provides widget with foreign currencies according to ruble from API from the site with actual currency rate.

Also, Mainwindow provides a widget with a pie chart which shows expenses amount in categories, In the upper part are SpinBox with budget limit connected with Total Spendings button.

- **Table View** - has the following options like filter the data by column in ascending and descending order after choosing it in the filter window and search by typing the category on line edit in the upper part of the window.

Configuration

The project works with dataset in utf-8 encoding, using Qt designer, QNetwork, QCharts QLogging. The application supports logging files with all reports about correct work of all functions inside it.

Usage

To run the application build the project in QT Creator or any other compatible IDE with all dependencies and libraries.

