

Personal Finance Tracker

Back-end webApp

By: Mohammed Abdullah Al Adhary

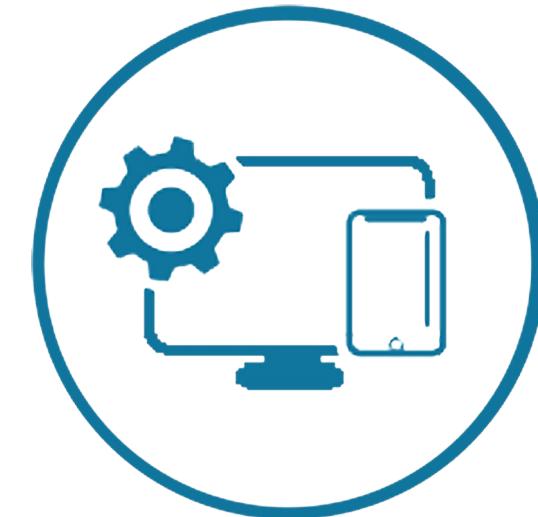


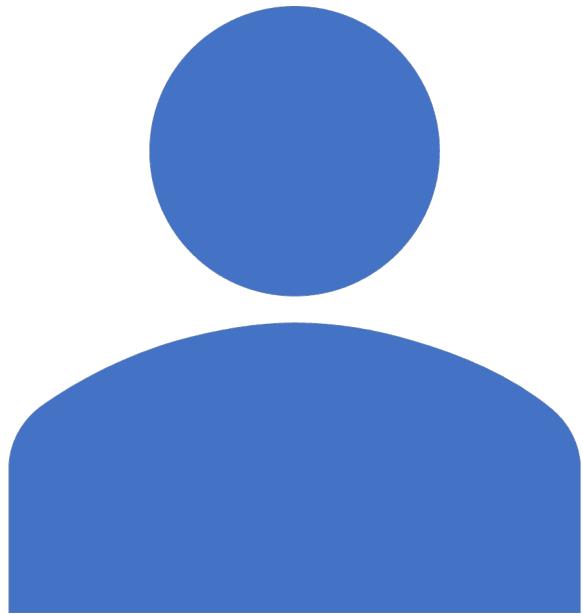
Taking Control of Your Finances

- Empowering Individuals for Financial Well-being
- A tool to help individuals manage their finances more effectively and make informed financial decisions.

Project description

- Create a web application that helps users manage their personal finances, track expenses, and set budget goals.
- This project can help individuals better understand their financial habits and make informed decisions.





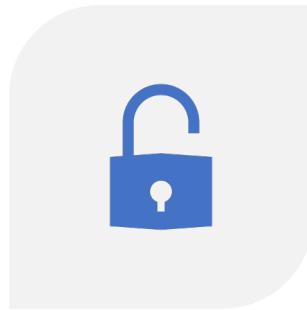
Key Features

1. User Registration and Authentication
2. Expense Tracking
3. Income Tracking
4. Report Analytics
5. Dashboard menu

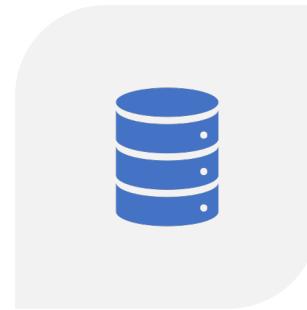
Technologies Used



JAVA FOR THE BACKEND
USING SPRING BOOT.



SPRING SECURITY FOR
USER AUTHENTICATION
AND AUTHORIZATION.



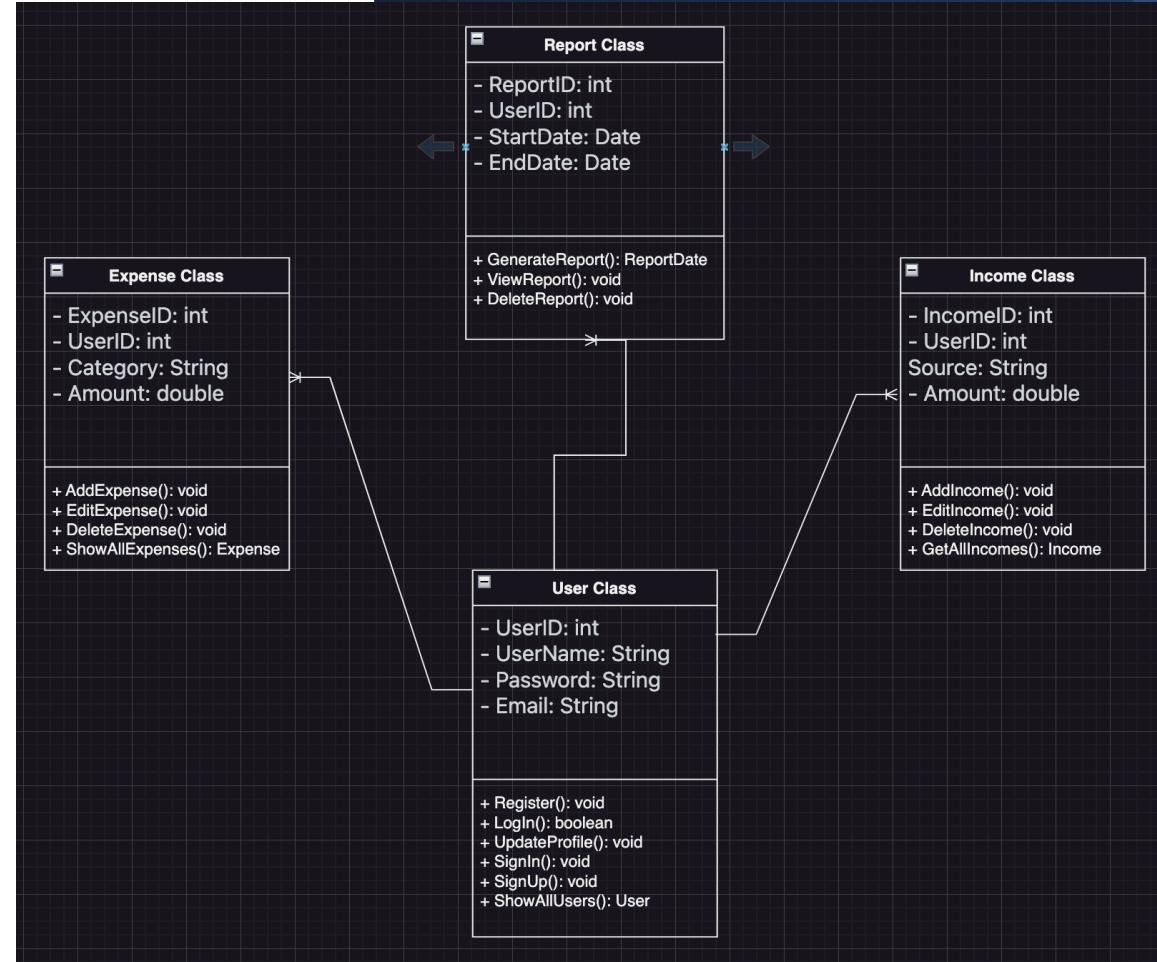
MYSQL WORKBENCH FOR
DATA STORAGE.



UML FOR SYSTEM DESIGN.

UML Diagram

- **User Class:**
 - **Has Many Expenses:** A User can have multiple Expense records. This is a one-to-many relationship, indicating that a single user can record multiple expenses.
 - **Has Many Incomes:** Similarly, a User can have multiple Income records, representing various sources of income.
 - **Generates Many Reports:** Users can generate different financial reports, so there's a one-to-many relationship between User and Report.
- **Expense Class:**
 - **Belongs to One User:** An Expense record belongs to a single User, indicating a many-to-one relationship between Expense and User.
- **Income Class:**
 - **Belongs to One User:** Similarly, an Income record belongs to a single User, indicating a many-to-one relationship between Income and User.



Demonstration

- Refer to [README.md](#) file in my Github for testing EndPoints requests using [POSTMAN](#) App
- GitHub: <https://github.com/mohammedaladhary/Personal-Finance-Tracker-webApp/blob/main/README.md> for more Endpoints.
- SignUp(POST)/SignIn User(POST):
- localhost:8080/financeTracker/auth/dashBoard/signUp
- localhost:8080/financeTracker/auth/dashBoard/signIn
- AddUser(POST)/(GET)ShowAllUsers/(DEL)DeleteUser/(PUT)UpdateUser/(PUT)UpdateBalance:
- localhost:8080/financeTracker/dashBoard/users
- localhost:8080/financeTracker/dashBoard/users9/delete/{userId}
- localhost:8080/financeTracker/dashBoard/users/updateBalance/{userId}
- AddIncome(POST)/(GET)ShowAllIncomes/(DEL)DeleteIncome/(PUT)UpdateIncome/(GET)findIncomeById:
- localhost:8080/financeTracker/dashBoard/users/incomes/add
- localhost:8080/financeTracker/dashBoard/users/incomes/updateIncome/{userId}
- localhost:8080/financeTracker/dashBoard/users/incomes/findById/{userId}
- AddExpense(POST)/(GET)ShowAllExpenses/(DEL)DeleteExpense/(GET)findExpenseById:
- localhost:8080/financeTracker/dashBoard/users/expenses/add
- localhost:8080/financeTracker/dashBoard/users/expenses/delete/{userId}
- AddReport(POST)/(GET)ShowAllReports/(DEL)DeleteReport:
- localhost:8080/financeTracker/dashBoard/users/reports/generateReportById/{userId}
- localhost:8080/financeTracker/dashBoard/users/reports/delete/{userId}



just
do
your
BEST.

Conclusion

- In conclusion, the Personal Finance Tracker is more than just an application; it's a path to financial well-being and personal empowerment.
- It helps users take control of their finances, set and achieve financial goals, and make informed decisions. The future of financial management is brighter and more accessible with this powerful tool.
- Empower yourself. Control your finances. Flourish with the Personal Finance Tracker.

Thank You

- Wish you all the best

Any
Questions