Java & OOP

10. Inheritance Project

Problem Statement

- Payroll Software

- Type of Workers

- Salary Structure

- Requirements

    - Calculate Total Payout

    - Print Salary Slips

Type of Workers

- Permenant Staff - Base salary and allowance

- Contractors - hourly rate and work hours

- Sales Agents - Base salary + commission (% on sales amount)

- All have a ID, name, Bank Account(?)

Structure

- core package - Changes less (fool me once)

  - Payee Class - The BASE

  - Payroll class - Knows only Payee

- custom package - Changes a lot (new type of workers)

  - Database - repo of employees

  - Staff class

  - Contractor class

  - ... more money

Action Plan

- Project Setup

- Play with Payee, Staff and totalPay

- refactor

- Add Contractor - Print the slips - Fool me once

- Add SalesAgent - No change to core

- Some more refactorings

Next

Interfaces