OOSEAssignment

Object Oriented Software Engineering Assignment, 2016, Semester 2 Curtin University.

Purpose

This program simulates 0 or more bussines decisions, made in a given economic context, for the purpose of training a company director.

The point of this assignment was to implement a system design, given a complex specification, and make good use of OO design patterns and general practices.

Compile/Build

This project builds useing ant. From the root directory, execute `ant` and the project will compile and build. ant will create a directory called `dist`, which containes the executable "Simulation.jar".

Execute

To run the program, from the root directory, simply type `./run.sh` followed by the three file names (in any order), and the start and end year. For example:

```
./run.sh property.csv events.csv plans.csv 2016 2020
```

Alternatively, one may execute Simulation.jar, from inside the `dist` directory using the `java -jar` command. For example:

```
java -jar Simulation.jar property.csv events.csv plans.csv 2016 2020
```

Input

This program takes no user input, except for the command line arguments discussed above.

Output

The expected output for this program is a table of the year, each company's name and it's bank balance, for each year of the simulation. For example:

Year	Company	Bank Balance
2016	AmazingCorp	$10000.00
2016	Giblet Inc	$7500000.00
2016	Tumbleweed Co	$500000.00
2017	AmazingCorp	$(-362500.00)
2017	Giblet Inc	$8375000.00
2017	Tumbleweed Co	$525000.00
2018	AmazingCorp	$(-752375.00)
2018	Giblet Inc	$9293750.00
2018	Tumbleweed Co	$551250.00
2019	AmazingCorp	$(-1160431.25)
2019	Giblet Inc	$10258437.50
2019	Tumbleweed Co	$578812.50
2020	AmazingCorp	$(-1587512.19)
2020	Giblet Inc	$11271359.38
2020	Tumbleweed Co	$607753.12