Readme file

Final project

We used MVC model –

“View” class-

-Contains all GUI preferences

“Model” class-

-Contacting between Company class and the methods applied

-Writes binary files method

-Read binary files method (asked firstly at run via view)

“Controller” class-

-Contacting between view and model

Functional class –“Company” contains:

-Specific qualities

-Vector of all employees

-Vector of all departments

“Department” class contains:

-Specific qualities

-Vector of roles

“Role” class contains:

-Specific qualities

-Vector of all employees assigned to the role

“Employee” class contains:

- Specific qualities

3 derived classes:

“BaseWageEmployee” class – for employee who works by base wage (160 monthly hours)

“BaseWageNSalesEmployee” class- for employee who works by base wage and (160 monthly hours) sales

“HourlyWageEmployee” class- for employee who works per hour (unlimited amount of hours)

Exceptions:

-Year Exception: company established year cannot futured

-Digits exception: contains only digits

-ID inspections: contains only digits, length should be 9 digits

-Empty fields exception: no empty fields should be remained

-Element exists exception: elements that are already exists cannot be added again

-Times exception: start time cannot be later than finish time

*Each of the inspections has its exception class*

“Issynchronizable”: interface

-Define if an element is synchronized (for example if a department is defined be a specific working hours)

“IsChangeable”: interface

-Define if an element is changeable (only for elements were defined as synchronizable)