**CRC Cards**

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| PayrollSystem | |
| Calculates the pay for each user, while deducting any applicable taxes  Saves this data to the corresponding CSV file | RoleFactory  User |

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| --- | --- |
| LoginSystem | |
| Loads and saves users to a list in a CSV file  Registers new users  Allows users to log into the system | User |

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| --- | --- |
| User | |
| Stores login credentials, position, and work information for each user that is registered |  |

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| --- | --- |
| LoginSystemMenu | |
| Handles the log in process, letting users input usernames and passwords  Allows users to choose their desired actions within the application, such as viewing payslips  Handles promotions | LoginSystem  PayrollSystem  PayrollScheduler  User |

|  |  |
| --- | --- |
| MainMenu | |
| Starts the log in process to the payroll System | LoginSystem  LoginSystemMenu  User  RoleFactory  PayrollSystem |

|  |  |
| --- | --- |
| PayScale | |
| Accounts for annual increase in pay with scale points  Returns all scale points  Returns role names |  |

|  |  |
| --- | --- |
| PayrollScheduler | |
| Generates payslips  Changes & updates salary scales  Schedules tasks | LoginSystem  PayrollSystem  User |

|  |  |
| --- | --- |
| RoleFactory | |
| Loads and saves pay scales to CSV  Allows for the option to add and remove roles  Returns role type, and displays roles | Payscale |

**UML Relationship Diagram**

