**Pecunia Finance Limited – Case study**

Team D – Classes Document

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Class 1: Employee

**Fields:**

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| --- | --- | --- |
| **#** | **Field** | **Description** |
| 1 | private int \_employeeID | Primary key (unique) value of employee. |
| 2 | private string \_employeeName | Name of the employee |
| 3 | private string \_employeeCode | Unique code of the employee |
|  |  |  |

**Properties:**

|  |  |  |
| --- | --- | --- |
| **#** | **Property** | **Validations** |
| 1 | public int EmployeeID | Unique; not null; System-generated (starts with 1, increment by 1) |
| 2 | public string EmployeeName | Name of the employee.  Alpha-numeric; not null.  Should be less than 40 characters. |
| 3 | public string EmployeeCode | Unique; Not null.  Should between 4 to 10 characters.  Alpha-numeric. |
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|  |  |  |

**Methods:**

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| --- | --- | --- |
| **#** | **Method** | **Description** |
| 1 | public List<Employee> GetEmployees() | Returns entire list of employees sorted on employee name. |
| 2 | public Employee GetEmployeeByUserNameAndPassword(string Username, string Password) | Returns list of employees that matches with given username and password. |
| 3 | public Employee GetEmployeeByEmail(string Email) | Return single employee object that matches with given email address.  Return null if not matched. |
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