**Report about best devices in PC, best operating system and suitable programming languages.**

**System Name: Employees Managing**

* **Best Devices:**

SERVER: We will use a great server like HP PowerEdge to collecting data and faster process to manage.

* **Best Operating System**

**We can use Windows because it will help us to easy access and its fast and Windows is the most used device in the world also we can use Linux because it have a high security it will help us to keep our data protect**

* **Suitable Programming Languages**

**We can use C# Because it’s easy to use it in coding and it have an easy functions that is helpful and important to use**

**Design of an integrated system (Class diagram)**

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| --- |
| Tasks |
| Task\_ID |
| Task\_Title |
| Task\_Disc |
| Task\_Stat |
| Task\_DueDate |
| UsersEmployee\_Name |

|  |
| --- |
| UsersEmployees |
| UsersEmployee\_Name |
| UsersEmployee\_ID |
| UsersEmployee\_Pass |

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**Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **Test case description** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Enter an user Employees valid and password valid | Enter username and password | Username:”Amr”  Password:”4321” | It show success login | It show success login | pass |
| 2 | Enter an user Manager valid and password valid | Enter username and password | Username:”Admin”  Password:”1234” | It show success login | It show success login | pass |
| 3 | Enter an user Manager unvalid and password valid | Enter username and password | Username:”omar”  Password:”1234” | It show failed login | It show failed login | pass |
| 4 | Enter an user Manager unvalid and password unvalid | Enter username and password | Username:”omar”  Password:”4321” | It show failed login | It show failed login | pass |
| 5 | Enter an user Manager valid and password unvalid | Enter username and password | Username:”Admin”  Password:”1234” | It show failed login | It show failed login | pass |
|  |  |  |  |  |  |  |