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

**System Name:**

* **Best Devices**

**The app not need to speed memory or larg data it’s need to simple Devices like that**

**Pc HP or dell**

**Ram 4 ddr3**

**Hard desk 500 GB**

**Possessor Pentium 4**

* **Best Operating System**

**Windows 10 pro because WPF App it’s work better on windows 10**

* **Suitable Programming Languages**

**C#**

**Because WPF App work in this language in backend**

**XAML**

**Because WPF App work in XAML to design pages and windows**

**SQL**

**Because SQL Server depended in this language to work**

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

|  |
| --- |
| User |
| UserName |
| UserPass |
| UserEmail |
| UserEmail |
| UserRole |
| Methods |
| FirstOrDefault |

|  |
| --- |
| Task |
| TaskID |
| TaskEmployee |
| TaskTitle |
| TaskDescription |
| TaskStatus |
| DueDate |
| Methods |
| ToList |
| Find |
| Remove |
| Add |
| Where |

**Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **Test case description** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Login with correct user & pass | Insert  admin  &  123 | admin  123 | Navigate | Navigate | **Pass** |
| 2 | Login with wrong user & pass | Insert  Admin  &  111 | Admin  111 | Error message | Error message | **Pass** |
| 3 | Login with correct user & wrong pass | Insert admin  &  111 | Insert  admin  111 | Error message | Error message | **Pass** |
| 4 | Login with wrong user & correct pass | Insert  Admin  &  123 | Admin  123 | Error message | Error message | **Pass** |
| 5 | Login white space | Insert |  | Error message | Error message | **Pass** |
| 6 | Login null | insert |  | Error message | Error message | **Pass** |