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

**System Name:** **Task Management**

* **Best Devices**
* **In this app I’m need the pc minimum requirement to use app pc core I3 and hard 128G ,8G ram because this app not need a lot of Progress and sever minimum requirement hard SSD 265g because storage the data in sever and restore this date in small time.**
* **Best Operating System**
* **The best OS : In the pc to used the app use the windows 10 because in windows 10 user interface easy in use ,a lot of feature but in server use the windows server because use this server in storage data and manage database and source app**
* **Suitable Programming Languages**

**Use in app Language C# in framework WPF because in WPF entity framework easy in relation to database and in WPF Xaml help in export a nice design**

**Use in database SQL Server because SQL Server to storage data in SQL Server and in the app this best Languages to database and this Languages a lot of developers device to this Languages because this Languages completed.**

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

|  |
| --- |
| User |
| User\_id |
| **Name** |
| **Password** |
| **Email** |
| **Role** |
| **Login()** |

|  |
| --- |
| task |
| **TaskID** |
| **Title** |
| **User\_id** |
| **Description** |
| **Status** |
| **DueDate** |
| **Add()** |
| **Update()** |
| **Delete()** |

**Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **Test case description** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Enter in login user name true and password true | enter in username textbox isMohamed  And in password textbox is123 | Username=mohamed  Password =123 | Login sussfully | Login sussfully | pass |
| 2 | Enter in login user name false password true | enter in username textbox is ahmed  And in password textbox is123 | Username =ahmed  Password=123 | Error message | Error message | pass |
| 3 | Press login button textboxs empty | Don’t enter any user and password in textboxs | Username =  Password= | Error message | Error message | pass |
| 4 | Enter in login user name true password false | enter in username textbox is mohamed  And in password textbox is5 | Username =mohamed  Password=5 | Error message | Error message | pass |
|  |  |  |  |  |  |  |
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