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

**System Name: Task Management Application**

* **Best Devices**
* **Server dell 3100 x7 :processor Xeon32 thread 64 :ram 128: desk :10tb**

**Workstations :hp elitdesk : dell precision : lenove think bad**

**Requirments:**

**Processor i5 gen 6**

**Ram 8gb**

**Disk 320 hdd**

* **Best Operating System**

**For server : linux && windows server**

**For desk top devices : windows && ubunto**

* **Suitable Programming Languages**

**C# this system made with C# desktop app wpf with .net framework and entity frame work to connect with data base**

**Database was made with sql script and the management system database is sql server**

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

Tasks

Task\_id int

Task\_title nvarchar

Task\_descrip nvarchar

Task\_status nvarchar

Task\_date datetime

\_add()

\_update()

\_delete()

Members

User\_id int

User\_name nvarchar

User\_password nvarchar

User\_role nvarchar

\_login();

**Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **Test case description** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | login with admin | Enter user and password | Username:  Moaz  Password:972 | Navigat to operations in tasks page | Navigat to operations in tasks page | pass |
| 2 | Login with employee | Enter user and password | Username:emp1  Password:123 | Navigat to view tasks page | Navigat to view tasks page | pass |
| 3 | Add task | Enter title and id and description for task | Titke:Task 9  Id :1  Description :project | Add task succsefull | Add task succseful | pass |
| 4 | Update task | Update any point in task | Task name:task 1 | Updated task | Updated task | pass |
| 5 | Delete task | Delete any task | Select task8 | Deleted  task | Deleted  task | pass |
| 6 | Select from list of tasks | Display data in text boxes | Select task | Displayed data | Displayed data | pass |