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

**System Name:**

* **Best Devices**

**Server : dell R730G 5Tera for storage 512GRAM processor xion 4843e 48core**

**Staffdevisec : monitor hp204v**

**Performance :core I5 5gen 500HDD & 126 SDD for storage and 8GRAM**

* **Best Operating System**

**Linux server : to storage and organize data**

**Windows : for devisec’s staff because it has a easy UI and all can use it**

* **Suitable Programming Languages**

**WPF : XAML : for design the desktop app “FrontEnd”**

**C#:for enteraction between user and UI “BackEnd”**

**Database : we use entityFramework to connect the app with our database and we using SQLserver to create database**

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

**Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test case ID** | **Test case description** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | User enter valid user and valid pass | Enter vlalid user & pass | Sheka & shekaa in user name  123&321  In password | If login role user will go to user page  If login role maneger will go to admin page | If login role user will go to user page  If login role maneger will go to admin page | pass |
| 2 | User enter valid user and wrong pass | Enter vlalid user &  Invalid pass | Sheka & shekaa in user name  111&222  In password | Invalid user or password | Invalid user or password | pass |
| 3 | User enter valid username and password | Enter in valid user and pass | Ssss in user name and 53468534 in password | Invalid user or password | Invalid user or password | pass |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Class Digram**

**Tasks Users**

taskid (int ,primary key)

userid (in, foreign key)

tasktitle nvarchar(50))

taskdes (nvarchar(50))

taskstat (nvarchar(50))

duedate (datetime )

------------------------

ADD(){}

EDIT(){}

REMOVE(){}

Userid (int ,primary key)

username (nvarchar(20))

userpass (nvarchar(max))

email (nvarchar(50))

userrole (nvarchar(20))

----------------------LoGIN(){}