Group Project Design

Team Members:

1. U Patel – 219019235
2. J Bennett –219078393
3. M Sethosa – 218029523
4. P Madzivadondo – 219089895

*Focus on: Booking system, expenses for the Hospital*

**1. Input:**

Nurse Login Credentials:

* Username and Password

Store Patient info:

* Name, Surname, Date Of birth, ID/Passport Number, Address

Store Hospital Area info:

* Area, Address, (patients arrived that day)\*

[expenses]…

2. **Output:**

* *Login Page:*

Grant access to Home Page or no access.

* *Booking system:*

Display Member id; Surname; and Appointed date; Receipt issued; Checked by Doctor, Did the Patient pay...

* *Expenses:*

3. **Test data:**

Booking system:

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Expenses:

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

4. **Events and Actions:**

*Login page:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
| btnLogin is Clicked | Check Username and Password for access to the Main page |
| cbxPassword clicked | Shows or hides the password that is entered by the user |

*Home Page:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
| btnCapture is Clicked | Goes to Patient Form  Input Patient Information |
| btnBooking is Clicked | Goes to Booking Form  Add Patient Booking  Delete Patient Booking  Edit Patient Booking |
| btnExpenses is Clicked | Goes to Expense Form  Register Employee  Take Attendance  Display Salary |
| btnManagepatients is Clicked | Save Patient  Delete Patient |
| btnMedication is Clicked |  |
| btnLogout is Clicked | Goes To Login Form |
|  |  |

*Patient Information:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
| btnAdd is Clicked | Adds patient input from textboxes |
| btnCancel is Clicked | Halts adding a patient |

*Booking System:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
| btnAdd is Clicked | Add patient booking |
| btnDelete is Clicked | Delete patient booking |
| btnEdit is Clicked | Edit patient booking |
| btnViewedPatients is Clicked | Display patients that have been viewed by Doctor |

*HIV/TB Patient*

|  |  |
| --- | --- |
| Events | Actions |
| btninputdt is Clicked | Input Patient and status of patient |

*Expenses:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
| btnRegisteremployees is Clicked | Register employees |
| btnTakeattendance is Clicked | Take Attendance of how often employees attend work |
| btnDisplaysalary is Clicked | Display salary of employees |

*Edit/Delete Patients:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
|  |  |
|  |  |
|  |  |

*Medication:*

|  |  |
| --- | --- |
| **Events** | **Actions** |
|  |  |
|  |  |

5. **Variables:**

* *Login page:*

Username: String

Password: String

* *Booking system/Home Page:*

6. **Record Structures:**

7. **UML:**

8. **Interfaces:**

* *Login page:*
* *Booking system/Home Page:*
* *Expenses:*

9. **Algorithm:**

* *Login page:*
* *Booking system/Home Page:*

* *HIV/TB Patient Medication:*

Input which patient

Input whether HIV or TB

Input number of tablets patient received

Reminder <--tablets given -3

If 2 then

Status<- HIV

Else

Status<- TB

End if

Display patient number

Patient status

Amount of tablets

Days remaining till pickup

* *Expenses:*