

Object Orientated Programming

Mid Term Project Detailed Requirements

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| --- | --- |
| Registration Number | 2020-CS-83 |
| Student Name | Laibah Azhar |
| Project Name | Procurement Management System |
| Project Description | This system is made for the ease of the user and to rid the boring and humongous piles of registers, which have more probability of being lost through any kind of accident or human discrepancy.  Procurement Management System would allow you to ;   * easily keep the record of all employees * Access accessory usage information * Keep the records safe * Easy to use interface   On installing this program the user will have to   * Sign up * After Successful sign up , login * After login in the user would have to set up the accessories available and their count * Later add the employees * Later the user I.e the association manager can update the employees and the accessories   **Set Up Login**  Clicking the above information would allow the user to set up his account  **Login**  Clicking the above button would the user to login the system and access the other elements  **Employee Information**  Clicking the above button would allow the user to   1. Add employee 2. Remove employee 3. Update employee information 4. Show all employee records   **Set up System**  Clicking the above button would allow the user   1. Add Accessories 2. Remove Accessories 3. Update Accessories |
| Actors of the System | * Accessories manager |

**Main Menu**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Main Menu | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| System Setup | Button | none |
| Employee Information | Button | none |
| Set Login | Button | none |
|  | Login | Button | none |
| How To Access the use case | Main Menu | | |
| On Success Return to Screen | Proceeds to the next chosen dialog | | |
| Screen Design | Mainmenu | | |

**Login set up**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Set up Login | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| E-mail | Text Box | alphabet |
| password | Text Box | Should include a number and alphabet |
| Confirm Password | Text Box | Same as the password |
| How To Access the use case | Main Menu>Setup Login | | |
| On Success Return to Screen | "Login Set up successfully" | | |
| Screen Design | setuplgn | | |

**Login**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Login | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| E-mail | Text Box | alphabet |
| password | Text Box | Should include a number and alphabet |
|  |  |  |
| How To Access the use case | Main Menu>Login | | |
| On Success Return to Screen | "Login Successful” | | |
| Screen Design | logins | | |

**Use Case # 1**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Add Accessories | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Accessory Name | Text Box | none |
| Accessory Count | Text Box | Should be a number |
|  |  |  |
| How To Access the use case | Main Menu>System Set up >Add Accessories | | |
| On Success Return to Screen | “Accessory added Successfully” | | |
| Screen Design | AddAccessory | | |

**Use Case # 2**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Remove Accessory | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Accessory Name | Text Box | none |
|  |  |  |
|  |  |  |
| How To Access the use case | Main Menu>System Set Up>Remove Accessory | | |
| On Success Return to Screen | Confirmation Dialog box | | |
| Screen Design | Rmvacc | | |

**Use Case #3**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Update Accessories | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Accessory Name | Text Box | none |
| New Accessory Count | Text Box | Should be a number |
|  |  |  |
| How To Access the use case | Main Menu>System Set up >Update Accessory | | |
| On Success Return to Screen | “Accessory updated Successfully” | | |
| Screen Design | updtacc | | |

**Use Case # 4**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Add Employee | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Employee Name | Text Box | Only contains Alphabets |
| Employee CNIC | Text Box | Should be a 13 digit number in the following format  xxxxx-xxxxxxx-x |
| E-mail | Text Box | A valid email in the format  xxxx123@mail.com |
| How To Access the use case | Main Menu>Employee Information> Add Employee | | |
| On Success Return to Screen | “Employee added Successfully” | | |
| Screen Design | Addempl | | |

**Use Case #5**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Remove Employee | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Employee Name | Text Box | Only Contains Alphabets |
| Employee CNIC | Text Box | Should be a 13 digit number in the following format  xxxxx-xxxxxxx-x |
| E-mail | Text Box | A valid email in the format  xxxx123@mail.com |
| How To Access the use case | Main Menu>Employee Information >Remove Employee | | |
| On Success Return to Screen | “Employee Removed Successfully” | | |
| Screen Design | rmvempl | | |

**Use Case #6**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Update Employee Record | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Employee Name | Text Box | Only alphabets |
| Employee CNIC | Text Box | Should be a 13 digit number in the following format  xxxxx-xxxxxxx-x |
|  |  |  |
| How To Access the use case | Main Menu>Employee Information >Update Employee | | |
| On Success Return to Screen | Opens Updating Employee dialog Box | | |
| Screen Design | updtemp | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use Sub-Case Name | Updating Employee | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Employee Name | label | none |
| Employee CNIC | label | none |
| E-mail | label | none |
| Table | table | none |
| How To Access the use case | Main Menu>Employee Information >Update Employee> Updating Employee | | |
| On Success Return to Screen | “Employee updated Successfully” | | |
| Screen Design | Uptngempl | | |

**Use Case #7**

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Name | Show Employee Info | | |
| Primary Actor | Accessories Manager | | |
| List of Fields on screen | Field Name | Component | Validation |
| Employee Name | Label | none |
| Employee CNIC | Label | none |
| E-mail | Label | none |
| Table | Labels | none |
| How To Access the use case | Main Menu>Employee Information >Show Employee Info | | |
| On Success Return to Screen | Shows Employee information | | |
| Screen Design | emplinfo | | |

**Format of Data in Files**

|  |  |
| --- | --- |
| **File Name** | Employees.xlxs |
| **Type** | Excel file |
| **Data format** | |  |  |  |  | | --- | --- | --- | --- | | **Employee Name** | **CNIC** | **E-mail** | **Accessories** | | Employee 1 | xxxxx-xxxxxxx-x | Xxxx1234@mail.com | |  |  | | --- | --- | | Register | 2 | | Pen | 1 | | | Employee 2 | xxxxx-xxxxxxx-x | Xxxx1234@mail.com | |  |  | | --- | --- | | Register | 1 | | Pen | 2 | | Note | 1 | | Chair | 1 | | |

|  |  |
| --- | --- |
| **File Name** | Accessories.xlxs |
| **Type** | Excel File |
| **Data format** | |  |  |  |  | | --- | --- | --- | --- | | **Accessory** | **Used** | **Available** | **Total** | | Accessory 1 | 2 | 8 | 10 | | Accessory 2 | 0 | 10 | 10 | | Accessory 3 | 8 | 12 | 20 | |