**“STUDENT MANAGEMENT PROJECT” by Anirban Gorain**

Starting-Date of steps is 12/5/2020 During the lockdown period & the ending date is 15/5/2020**.**

**-::AGENDA OF THE PROJECT::-**

**When the Software will be apper on the output screen on the time will be ↓**

● Show this three options:

1st **Sign-up**

1st **Update-Signed-Up informations.**

2st **Log-in**

**When the Signed-up will be selected on the time will be** **↓**

**If Sign-up data already exists on the time will be ↓**

● Show that, Already **Signed-up,**  You have this two follwign options.

1st **:** Delete **existing signed-up** informations and data then user will **get a new Sign-up.**

2st **: Go back to the Sign-in menu.**

● If user want to delete existing **Sign-up** information then when user **Signed-up** first time some questions was asked to the user, Now again when user want to delete **existing Signed-up data** asked all same questions if all the questions answers are correct then **existing Sign-up** data and sored recod will be delete if delete sucessfully then go to the **Sign-up** section.

● If user want to **Go-back Sign-in or Log-in** section the just Go back from the current position to the **registration** section.

**If Sign-up data don’t exists on the time will be ↓**

● Take **Uesr-name** And after encrypt store the encrypted **User-name.**

● Take **Password** And after encrypt store the encrypted **Password.**

● One by one aske each of the security questions answer and store every answers on the database.

**When the Update-Signed-Up informations will be selected on the time will be** **↓**

● When user **Signed-up** first time some questions was asked to the user, Now again when user want to update **existing Signed-up data** asked all same questions if all the questions answers are correct then update each of the **Informations** one by one with asked questions **if** user want to skip any information to update then user will be press **S** [**S** for will be **skip**].

● After complete go to the sign in section.

**When the Log-in will be selected on the time will be** **↓**

● Take the **User-name** from wich user want to **Log-in** and compare after decrypted stored **User-name** if both are same then go to the next step if both Are not same then just show a eroor message and go to the menu screen.

● Take the **password** from wich user want to **Log-in** and compare after decrypted stored **Password** if both are same then Show all the options if both Are no same then just show a eroor message and go to the to the apper screen.

**The output screen will be showing these options ↓**

● Teacher. [1]

● Student. [2]

● Library. [3]

● Lab. [4]

● Study material shop. [5]

● Canteen. [6]

● Employees. [7]

● Transport. [8]

● Add-more.

● Delete options with their record.

● Show that, Enter Your choice:

● According to the choice will process everything.

**When the user will choose the TEACHER option, On the time will be ↓**

● Show that, Heading about this field.

● Show that, how many records are there.

● Show that, Press **A** for add record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search teacher by name, **U** for update record, **B** for back, **M** for the main menu.

● Show, A border.

● Show, The row {

ID, Teacher-Name, Teacher-Age, Date-of-birth, Phone-Number, Entry-Time, Exit-Time, Own-Address, Living-Address, Salary, Salary-Status, Subjects

}

● Show that, All the records which are present.

● Show that, Enter Your choice:

● According to the choice will process everything.

**When the user will choose the STUDENT option, On the time, will be ↓**

● Show that, Heading about this field.

● Show that, List of all the classes (1 to 12).

● Will give functionality to select a specific class.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search student by name, **U** for update record, **B** for back, M for the main menu.

● Show, A border.

● Show that, how many records are there.

● Show, The row {

ID, Student Name, Age, Date-Of-Birth, Entry-Time, Exit-time, Father-Fame, Parent-Phone-Number, Address, Transport-Bill, Canteen-Bill, Study-Material-Bill, Total-Must-Be-Pay (All-Included)

}

● Show that, All the records which are present of the selected class.

● Show that, Enter Your choice:

● According to the choice will process everything.

**when the user will choose the LIBRARY option, On the time, will be ↓**

● Show, Heading about this field.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search book by name, **F** for finding the student or teacher by their id, **U** for update record, **B** for back, **M** for the main menu.

● Show that, How many records are present over there.

● Show, A border.

● Show, The row {

ID, Book-Name, Price, Quantity, Author, Current-Holders(Students & Teachers)

}

● Show that, All the records which are present.

● Show, Enter Your choice:

● According to the choice will process everything.

**When the user will choose the LAB option, On the time will be ↓**

● Show that, Heading about this field.

● Show that,

● Compute laboratory. [Prees C for computer lab]

● Science laboratory. [Prees S for computer lab]

● Add a laboratory. [Prees A for adding a laboratory]

● Delete a laboratory with records. [Prees D for delete a laboratory]

**When the user will choose the Computer laboratory option, On the time will be ↓**

● Show, Heading about this field.

● Show that, Press **A** for add record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search Computer by name, **U** for update record, **B** for back, M for the main menu.

● Show, The number of records are there.

● Show, A border.

● Show, The row {

Computer id, Ram, Processor, HDD, OS, M-Status, Age

}

● Show that, All the records which are present.

● Show that, Enter Your choice:

● According to the choice will process everything.

**When the user will choose the Science laboratory option, On the time will be ↓**

● Show, Heading about this field.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, R remove a column with all the value of this column, **S** for search equipment by name, **U** for update record, **B** for back, **M** for the main menu.

● Show that, how many records present are there.

● Show, a border.

● Show, The row {

E-ID, E-Name, E-Price, E-Quantity, Under-Of-Control

}

● Show that, each of the records which are present over there.

● Show, Enter your choice:

● According to the user, The choice will process everything.

**When the user will choose the Add a laboratory option, On the time will be ↓**

● Will take the name of the laboratory because it will be the heading of the record table.

● Take permission that, If the user adds to search functionality then one column automatically will be added over there which is ID number it will start from the 1 to till the end of the record.

● Will take how many columns need to add over there.

● One by one take name of the each column, If the user needs to skip any column then press S when will take the name of each column.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for add a column, **R** remove a column with all the value of this column, **B** for back, **M** for the main menu And **S** for search if the user gives permission to add by default id column, Also **U** for the update.

● Show that, Enter your choice:

● According to the choice will process everything.

**when user will choose the Delete a laboratory with all the record which it contains an option, On the time, will be ↓**

● Just make sure the user may really want to delete this option.

● If yes then just delete the particular option with which records contain this option.

● If no then go to the record table.

**When the user will choose the study material shop option, On the time will be ↓**

● Show, Heading about these records.

● Show that, Press **A** for adding record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search material by name, **U** for update record, **B** for back, **M** for the main menu.

● Show that, how many records present are there.

● Show, a border.

● Show the row {

M-ID, M-Name, M-P, Quantity,

}

● Show, Every record which are present at the current time.

● Show , Enter your choice.

● According to the user, the choice will process everything.

**when user will choose the Canteen option, On the time wi be ↓**

● Show, Heading about these records.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search food by name, **U** for update record, **B** for back, **M** for the main menu.

● Show, The number of records are there.

● Show, A border.

● Show the row {

F-id, F-name, F-price, availability

}

● Show, Every recods.

● Show , Enter your choice.

● According to the user, the choice will process everything.

**when user will choose the Employees option, On the time wi be ↓**

● Show, Heading about these records.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search employee by name, **U** for update record, **B** for back, **M** for the main menu.

● Show, The number of records are there.

● Show, A border.

● Show the row {

E-ID, E-Name, E-Phone-Number,E--Address, E-Type, Work-Time, Starting-Time, Ending-Time, Salary, Salary-Status

}

● Show, Every records.

● Show , Enter your choice.

**when user will choose the Transport option, On the time wi be ↓**

● Show, Heading about these records.

● Show that, Press **A** for adding a record, **D** for delete record, **C** for adding a column, **R** remove a column with all the value of this column, **S** for search vehicle by number, **U** for update record, **B** for back, **M** for the main menu.

● Show, The number of records are there.

● Show, A border.

● Show the row {

V-ID, V-Name, V-Number, V-Driver, V-Type, V-Wheel, V-Seat, V-Root, V-Color, M-Service

}

● Show, Every records.

● Show , Enter your choice.

**when user will choose the Add-more option, On the time wi be ↓**

● Show, heading about this section.

● Take the name of the option.

**Now after adding a new option now the time for making records ↓**

● Will take how many columns need to add over there.

● One by one take name of the each column, If the user needs to skip any column then press **S** when will take the name of each column.

● Show, Press **A** for add record, **D** for delete record, **C** for add a column, **R** remove a column with all the value of this column, **B** for back, **M** for the main menu Also **S** for search Also **U** for the update.

● Show, Enter your choice:

● According to the choice will process everything.

**GIT VCS Informations**

**Each individual branch** : **It is not a name of branch,** The meaning is, Each of the individual sections will be develop under of the different different individual branches.

**Test branch**  : After develop individual feauters on the different indevidual branches every individuals feturs will be mearge on this **Test branch**.

**Master branch** : The master branch wil be secure branch, After testing on the test branch **tested** version will be mearge on the master branch.