# Assignment No.2

**DeadLine: 29-12-2022**

You have to create an application for Patient Management System. Application must have GUI which should start by taking user name and password from user. There must be an option at the time of login which type of user is there. There must two types of users Administrator and Guest. On correct user name and password application should be opened which would be a window having Menu bars and tool bars.

Administrator GUI must have Menu bar should have menus Manage Record, Search Record and Help menu. Tool bar should have icons for Add New Patient, Search Patient Record, Add New Doctor and Print. Manage Record Menu bar should have menu items like Add new Patient, Add New Doctor, Add New Disease, Delete Patient Record and Update Record. Update Record should have sub menu Update Patient and update Doctor Record. Search Record menu should have menu items like search Patient by Name, Search Patient by ID, Search Patient by age, Search Patient by Disease, Search Patient by Doctor, Search Doctor by Name and Search Doctor by Disease Specialization. Help menu should have item about us and change password.

Guest GUI should have Menu bar having menus Search record, print and Help menu. Search Record menu should have menu items like search by Name, Search by ID and Search by age. Help menu should have item about us and change password. Tool bar should have icons for Search Record and Print.

Upon Selecting Add New Disease, a form should be opened having two fields Disease Name and Disease Description and Two Buttons Save and Cancel.Upon Clicking on Save Information Must be Saved in Table Disease having attributes Disease\_ID,Disease Name,Disease Description.

Disease ID must be autoincrement and primary key.Upon Clicking Cancel no information should be saved and form should be disposed.

Upon Add New Doctor, a form should be opened having Text Field for Doctor Name, ComboBox having Disease Names as Field of Specialization and two buttons save and cancel. Upon Pressing Save Information must be saved into Doctor Table having attributes Doctor\_ID,Disease\_ID,Doctor\_Name.Doctor\_ID should be primary key while Disease\_ID should be foreign key.Doctor\_ID must be autoincremented.Upon Pressing Cancel Button No Information should be saved and form should be disposed.

Upon selecting Add New Patient from Menu bar window should have items on the form to enter

Patient information.

Patient ID (TextField Editable(FALSE))

Patient Name (TextField)

Father Name (TextField)

Sex(Male of Female RadioButton)

Date of Birth (JCalender Chooser)

Doctor Name(ComboBox)

Disease History (TextArea)

Prescription(TextArea)

Two Buttons Save and Cancel

Upon Pressing Save Button Information must be saved into Patient Table having attributes Patient\_ID, Patient\_Name, PF\_Name, Sex, DOB, Doctor\_ID,Disease\_History,Prescription.Patient\_ID must be autoIncrement and Primary key while Doctor\_ID must be Foreign key. Upon Pressing Cancel No Information should be saved and form should be disposed.

When user selects Update Patient record then in the parent window user should be asked to select one of the Patient id from selection list and then search record from the Patient Table on the basis of selected id and then bring all the info into the form (All Editable false except Patient History and Prescription).

When User Selects Search Patient By ID, in the Parent Window should be asked to select one of the Patient id from selection list and then search record from the Patient Table on the basis of selected id and show the result in a window.

When User Selects Search Patient By Name, in the Parent Window should be asked to enter Patient Name and on the basis of Name search record from the Patient Table and show the result in a window. Records must be shown in Table using JTable.

When User Selects Search Patient By Age, in the Parent Window should be asked to enter Age and on the basis of Age search record from the Patient show the result in a window. Records must be shown in Table using JTable.

When User Selects Delete Patient Record, in the Parent Window should be asked to Patient ID and on the basis of ID Record in the Patient Table should be deleted.

When User Selects Search Patient By Disease, in the Parent Window should be asked to select Disease Name and on the basis of Disease Name Records of patients be shown in Table using JTable.

When User Selects Search Patient By Doctor Name, in the Parent Window should be asked to select Doctor Name and on the basis of Doctor Name Records of patients be shown in Table using JTable.

When User Selects Search Doctor By Disease Specialization, in the Parent Window should be asked to select Disease Specialization and on the basis of Disease Records of Doctors be shown in Table using JTable.

When user selects search option get criteria and show the result in the window accordingly.

Use suitable layouts to design your GUI Windws(You cant use Null Layout).

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