//---------------------------------------------------mongodb application------------------------------

library -- https://www.versioneye.com/java/org.mongodb:mongo-java-driver/2.12.3

//---------------------------open the command prompt in the bin folder -------------------------------

mongod.exe --dbpath "C:\mondogb\data"

Start the mongoDB and create a database and table

Create a java application

Create an Entity class

Create a DBManager class

//---------------------------------------------------------DBManager class-----------------------------

package mongocrud;

import com.mongodb.DB;

import com.mongodb.MongoClient;

import java.net.UnknownHostException;

public class DBManager {

private static DB database;

public static DB getDatabase() {

if(database == null) {

MongoClient mongo;

try {

mongo = new MongoClient("localhost", 27017);

database = mongo.getDB("University");

} catch (UnknownHostException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

return database;

}

}

//---------------------------------insert button click code----------------------------------------

// ADD these codes after the button click event

private static DBObject create(Student s)

{

BasicDBObjectBuilder builder = BasicDBObjectBuilder.start();

builder.append("name", s.getName());

builder.append("age", s.getAge());

builder.append("\_id", s.getId());

return builder.get();

}

//----------------------------------------In the button click event-------------------------------------

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

Student s = new Student();

String name = jTextField1.getText().toString();

String id = jTextField3.getText();

// int age1 = Integer.parseInt(jTextField2.getText());

s.setName(name);

s.setAge(24);

s.setId(id);

DBObject dob = create(s);

DB userDB = DBManager.getDatabase();

DBCollection col = userDB.getCollection("student");

WriteResult result = col.insert(dob);

System.out.println("successfully inserted");

}

//-----------------------------ComboBox fill code--------------------------------------------------------------

public void fillID() {

DB userDB = DBManager.getDatabase();

DBCollection col = userDB.getCollection("student");

DBCursor cursor = col.find();

while (cursor.hasNext()) {

DBObject user = (DBObject) cursor.next();

jComboBox1.addItem(user.get("\_id"));

}

}

Call this method in the constructor

//--------------------------------------------Delete user-----------------------------------------------------------

// button click event

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

try {

DB UniDB = DBManager.getDatabase();

DBCollection table = UniDB.getCollection("student");

BasicDBObject query = new BasicDBObject("\_id", new BasicDBObject("$eq", jTextField1.getText()));

table.remove(query);

JOptionPane.showMessageDialog(rootPane, "User Delete SucessFully...!");

this.setVisible(false);

this.dispose();

} catch (Exception e) {

e.printStackTrace();

}

}

//----------------------------------------------------combobox stateChange event----------------------------------

private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {

// TODO add your handling code here:

DB userDB = DBManager.getDatabase();

DBCollection col = userDB.getCollection("student");

DBCursor cursor = col.find();

while (cursor.hasNext()) {

DBObject user = (DBObject) cursor.next();

String seletedID = jComboBox1.getSelectedItem().toString();

if (true) {

jTextField1.setText(user.get("\_id").toString());

}

}

}

//-----------------------------------------------------------------------------------------------------------------------------

//Update User

//------------------------combobox selected item changed event------------------------------------------------

private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {

// TODO add your handling code here:

DB userDB = DBManager.getDatabase();

DBCollection col = userDB.getCollection("student");

BasicDBObject query = new BasicDBObject("\_id", new BasicDBObject("$eq", jComboBox1.getSelectedItem().toString()));

DBCursor cursor = col.find(query);

while (cursor.hasNext()) {

DBObject user = (DBObject) cursor.next();

// int seletedID = Integer.parseInt(jComboBox1.getSelectedItem().toString());

if (true) {

jTextField1.setText(user.get("\_id").toString());

jTextField2.setText(user.get("name").toString());

jTextField3.setText(user.get("age").toString());

}

}

}

//---------------------------------------- button click event--------------------------------------------------------------------

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

try {

DB userDB = DBManager.getDatabase();

DBCollection col = userDB.getCollection("student");

BasicDBObject query = new BasicDBObject("\_id", new BasicDBObject("$eq", jTextField1.getText()));

BasicDBObject newDocument = new BasicDBObject();

newDocument.put("\_id", jTextField1.getText());

newDocument.put("name", jTextField2.getText());

newDocument.put("age", jTextField3.getText());

BasicDBObject updateObj = new BasicDBObject();

updateObj.put("$set", newDocument);

col.update(query, updateObj, false, true);

JOptionPane.showMessageDialog(rootPane, "User Update SucessFully...!");

} catch (Exception e) {

}

}

//-----------------------------------------------------------------------------------------------------------------------------------------

// this also required the fill combo method to load the data to combo

//===========================================================================================================================================