**Github.com/nuwan600**

**Sapusliit.blogspot.com**

**MongoDB - Insert Update Delete**

**Add mongo DB driver lib**

**DBManager.java**

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("usermanager");

} catch (UnknownHostException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

return database;

}

}

**User.java**

public class User {

private int id;

private String firstName;

private String lastName;

private String email;

**// insert getters and setters**

}

**AddUser.java**

**private void btnAddNewUserActionPerformed(java.awt.event.ActionEvent evt) {**

User newUser = new User();

newUser.setId(Integer.parseInt(txtId.getText()));

newUser.setFirstName(txtFirstName.getText());

newUser.setLastName(txtLastName.getText());

newUser.setEmail(txtEmail.getText());

DBObject doc = createDBObject(newUser);

DB userDB = DBManager.getDatabase();

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

WriteResult result = col.insert(doc);

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

txtId.setText("");

txtFirstName.setText("");

txtLastName.setText("");

txtEmail.setText("");

}

**private void btnAddUserExitActionPerformed(java.awt.event.ActionEvent evt) {**

this.setVisible(false);

this.dispose();

}

**private static DBObject createDBObject(User user) {**

BasicDBObjectBuilder docBuilder = BasicDBObjectBuilder.start();

docBuilder.append("\_id", user.getId());

docBuilder.append("firstName", user.getFirstName());

docBuilder.append("lastName", user.getLastName());

docBuilder.append("email", user.getEmail());

return docBuilder.get();

}

**ManageUser – Update Delete**

public ManageUser() {

initComponents();

fillID();

}

**public void fillID() {**

DB userDB = DBManager.getDatabase();

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

DBCursor cursor = col.find();

while (cursor.hasNext()) {

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

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

}

}

**private void cmbIdAddedItemStateChanged(java.awt.event.ItemEvent evt) {**

// TODO add your handling code here:

DB userDB = DBManager.getDatabase();

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

DBCursor cursor = col.find();

while (cursor.hasNext()) {

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

int seletedID = Integer.parseInt(cmbIdAdded.getSelectedItem().toString());

if (Integer.parseInt(user.get("\_id").toString()) == seletedID)

{

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

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

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

jTextField4.setText(user.get("email").toString());

}

}

}

**private void btnUpdateActionPerformed(java.awt.event.ActionEvent evt) {**

try {

DB userDB = DBManager.getDatabase();

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

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

BasicDBObject newDocument = new BasicDBObject();

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

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

newDocument.put("email", jTextField4.getText());

BasicDBObject updateObj = new BasicDBObject();

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

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

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

} catch (Exception e) {

JOptionPane.showMessageDialog(rootPane, "Please Select User");

}

}

**private void btnExitManageUserActionPerformed(java.awt.event.ActionEvent evt) {**

this.setVisible(false);

this.dispose();

}

**private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {**

// TODO add your handling code here:

try {

DB userDB = DBManager.getDatabase();

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

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

col.remove(query);

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

this.setVisible(false);

this.dispose();

ManageUser mange= new ManageUser();

mange.setVisible(true);

} catch (Exception e) {

JOptionPane.showMessageDialog(rootPane, "Please Select User");

}

}

**Main Class**

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

**AddUser add=new AddUser();**

**add.setVisible(true);**

**}**

**ViweUser.java**

**public viewUser() {**

initComponents();

printmongData();

}

**public void printmongData()**

{

DefaultTableModel model = new DefaultTableModel();

model.addColumn("ID");

model.addColumn("First Name");

model.addColumn("Last Name");

model.addColumn("Email");

DB userDB = DBManager.getDatabase();

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

DBCursor cursor = col.find();

while (cursor.hasNext()) {

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

model.addRow(new Object[] {user.get("\_id"),user.get("firstName"),user.get("lastName"),user.get("email")});

}

jTable3.setModel(model);

}

**private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {**

// TODO add your handling code here:

this.setVisible(false);

this.dispose();

}