

OOP PROJECT



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PROJECT TYPE: SEMESTER PROJECT

SUBMITTED TO: SIR.SHAHID BHATTI



Project Description:

We are making a desktop application for our business “ETRO”. Making an inventory system to make things easy to manage for ourselves. This application will allow the admin to add, delete, search, and update data regarding cs sales and purchases. It will also show the current stock available. Using the concepts of File Handling, Serialization, and GUI we are making an interacting application to the best of our ability. We will try our best to complete the above-mentioned things and if we are left with time, will add more to it.

package com.example.etrojfx;  
  
import com.example.etrojfx.HelperFunctions.Helpers;  
import com.example.etrojfx.Models.Product;  
import javafx.collections.FXCollections;  
import javafx.collections.ObservableList;  
import javafx.event.ActionEvent;  
import javafx.fxml.FXML;  
import javafx.fxml.FXMLLoader;  
import javafx.fxml.Initializable;  
import javafx.geometry.Insets;  
import javafx.geometry.Pos;  
import javafx.scene.Parent;  
import javafx.scene.Scene;  
import javafx.scene.control.\*;  
import javafx.scene.control.cell.PropertyValueFactory;  
import javafx.scene.image.Image;  
import javafx.scene.layout.GridPane;  
import javafx.scene.text.Font;  
import javafx.scene.text.Text;  
import javafx.stage.Stage;  
  
import java.io.\*;  
import java.net.URL;  
import java.util.ArrayList;  
import java.util.Arrays;  
import java.util.ResourceBundle;  
  
public class WarehouseController implements Initializable {  
 public TableView<Product> table;  
 public TableColumn itemNo;  
 public TableColumn Manufacturer;  
 public TableColumn Size;  
 public TableColumn Cost;  
 public TableColumn Stock;  
 public TableColumn Inventry;  
  
 public Button homeBtn;  
 public Button warehouseBtn;  
 public Button salesOrderBtn;  
 public Button supplierBtn;  
 public Button logoutBtn;  
 public TextField userField8;  
 // public TextField EditInfo(String s){  
public void AddInfo(){  
 Stage stage = new Stage();  
 GridPane grid = new GridPane();  
 grid.setPadding(new Insets(30));  
 Image image =new Image("H:\\Second Semester\\OOP\\Etrojfx-master\\src\\main\\resources\\com\\example\\pic\\loooosisnovjNV.jpg");  
 stage.getIcons().add(image);  
 stage.setTitle("Ware House");  
 grid.setHgap(15);  
 grid.setVgap(10);  
 grid.setAlignment(Pos.BASELINE\_LEFT);  
  
  
 //On the Layout  
 Text heading = new Text("Ware House Entries");  
 heading.setFont(Font.font(10));  
  
  
 heading.setFont(Font.font(18));  
 grid.add(heading, 0,0,2,1);  
  
 Label userLabel = new Label("Item No ");  
 grid.add(userLabel, 0,2);  
  
 TextField userField = new TextField();  
 grid.add(userField, 1,2);  
  
 Label genderLabel = new Label("Manufacturer");  
 grid.add(genderLabel,0,3);  
 TextField userField1 = new TextField();  
 grid.add(userField1, 1,3);  
 Label userLabel2 = new Label("Size");  
 grid.add(userLabel2, 0,4);  
 TextField userField2 = new TextField();  
 grid.add(userField2, 1,4);  
 Label userLabel3 = new Label("Cost");  
 grid.add(userLabel3, 0,5);  
 TextField userField3 = new TextField();  
 grid.add(userField3, 1,5);  
 Label userLabel4 = new Label("Stock");  
 grid.add(userLabel4, 0,6);  
  
 TextField userField4 = new TextField();  
 grid.add(userField4, 1,6);  
 Label userLabel5 = new Label("Inventry");  
 grid.add(userLabel5, 0,7);  
  
 TextField userField5 = new TextField();  
 grid.add(userField5, 1,7);  
  
 /////////////////////////////////////  
  
  
 Button btn2 = new Button("Add");  
 grid.add(btn2,1,8);  
  
  
//ArrayList<TextField> addition = new ArrayList<>(Arrays.asList(new TextField(userField,userField1,userField2)));  
  
 Scene scene = new Scene(grid,300,400);  
 stage.setScene(scene);  
 stage.show();  
 // return userField;  
  
}  
  
 private ArrayList<Product> productsArray = new ArrayList<>(Arrays.asList(new Product("B24","Local",12.00,2200.00,6.0,12000.00),  
 new Product("S78","International",24.00,4000.00,3.0,96000.00),  
 new Product("H12","Local",42.00,3500.00,6.0,375000.00) ));  
  
  
  
  
 @FXML  
 protected void NavigateToWarehouse(ActionEvent event) throws IOException {  
 Stage stage = null;  
 Parent myNewScene = null;  
  
 if (event.getSource() == homeBtn){  
 stage = (Stage) homeBtn.getScene().getWindow();  
 myNewScene = FXMLLoader.load(getClass().getResource("Home.fxml"));  
 System.out.println("home");  
 } else if (event.getSource() == warehouseBtn){  
 stage = (Stage) warehouseBtn.getScene().getWindow();  
 myNewScene = FXMLLoader.load(getClass().getResource("Warehouse.fxml"));  
 System.out.println("warehouse");  
 } else if (event.getSource() == salesOrderBtn) {  
 stage=(Stage) salesOrderBtn.getScene().getWindow();  
 myNewScene = FXMLLoader.load(getClass().getResource("SalesOrder.fxml"));  
 System.out.println("saleorder");  
 }  
 else if (event.getSource() == supplierBtn) {  
 stage=(Stage) supplierBtn.getScene().getWindow();  
 myNewScene = FXMLLoader.load(getClass().getResource("SupplierContact.fxml"));  
 System.out.println("supplier");  
 }  
 else if (event.getSource() == logoutBtn) {  
 Helpers.showAlert("Are you really want to exit?");  
 stage = (Stage) logoutBtn.getScene().getWindow();  
 myNewScene = FXMLLoader.load(getClass().getResource("Login.fxml"));  
 System.out.println("Logout");  
 }  
  
 Scene scene = new Scene(myNewScene);  
 stage.setScene(scene);  
 stage.setTitle("ETRO Clothing");  
 stage.show();  
  
 }  
  
 @Override  
 public void initialize(URL url, ResourceBundle resourceBundle) {  
 FileOutputStream file = null;  
 try {  
 file = new FileOutputStream("H:\\Second Semester\\OOP\\Etrojfx-master\\src\\main\\resources\\com\\example\\DataFiles\\Warehouse.txt",false);  
 ObjectOutputStream out = new ObjectOutputStream(file);  
 out.writeObject(productsArray);  
 out.flush();  
 out.close();  
 file.close();  
 } catch (IOException e) {  
 throw new RuntimeException(e);  
 }  
  
 itemNo.setCellValueFactory(new PropertyValueFactory<>("ItemNo"));  
 Manufacturer.setCellValueFactory(new PropertyValueFactory<>("Manufacturer"));  
 Size.setCellValueFactory(new PropertyValueFactory<>("Size"));  
 Cost.setCellValueFactory(new PropertyValueFactory<>("CostPerItem"));  
 Stock.setCellValueFactory(new PropertyValueFactory<>("StockQty"));  
 Inventry.setCellValueFactory(new PropertyValueFactory<>("InventryValue"));  
 ArrayList<Product> products = new ArrayList<>();  
 ObservableList<Product> ProductModel = FXCollections.observableArrayList();  
 try {  
 FileInputStream inputfile = new FileInputStream("H:\\Second Semester\\OOP\\Etrojfx-master\\src\\main\\resources\\com\\example\\DataFiles\\Warehouse.txt");  
 ObjectInputStream in = new ObjectInputStream(inputfile);  
 products = (ArrayList<Product>) in.readObject();  
 ProductModel = FXCollections.observableArrayList(products);  
 }  
 catch (IOException e) {  
 throw new RuntimeException(e);  
 }  
 catch(ClassNotFoundException ex)  
 {  
 System.out.println("ClassNotFoundException is caught");  
 }  
 // Method for deserialization of object  
 table.setItems(ProductModel);  
 }  
  
 public void EditInfo(ActionEvent actionEvent) throws IOException {  
 Stage stage = new Stage();  
  
 FXMLLoader fxmlLoader = new FXMLLoader(HelloApplication.class.getResource("Delete.fxml"));  
  
 Scene scene = new Scene(fxmlLoader.load());  
 Image image =new Image("H:\\Second Semester\\OOP\\Etrojfx-master\\src\\main\\resources\\com\\example\\pic\\loooosisnovjNV.jpg");  
 stage.getIcons().add(image);  
 stage.setTitle("ETRO Clothing");  
 stage.setScene(scene);  
 stage.show();  
  
// Stage stage = new Stage();  
// GridPane grid = new GridPane();  
// grid.setPadding(new Insets(30));  
// Image image =new Image("H:\\Second Semester\\OOP\\Etrojfx-master\\src\\main\\resources\\com\\example\\pic\\loooosisnovjNV.jpg");  
// stage.getIcons().add(image);  
// stage.setTitle("Ware House");  
// grid.setHgap(15);  
// grid.setVgap(10);  
// grid.setAlignment(Pos.BASELINE\_LEFT);  
//  
//  
// //On the Layout  
// Text heading = new Text("Enter Item No To Delete ");  
// heading.setFont(Font.font(10));  
//  
//  
// heading.setFont(Font.font(18));  
// grid.add(heading, 0,0,2,1);  
//  
// Label userLabel = new Label("Item No ");  
// grid.add(userLabel, 0,2);  
//  
// TextField userField = new TextField();  
// grid.add(userField, 1,2);  
// Button btn2 = new Button("Delete");  
// grid.add(btn2,1,3);  
//  
// Scene scene = new Scene(grid,300,400);  
// stage.setScene(scene);  
// stage.show();  
 // int selectedId = table.getVisibleLeafIndex(Product);  
  
  
  
 }  
  
 public void deleteItem(ActionEvent actionEvent) {  
  
 }  
}



