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package JavaFX;

import java.awt.Insets;

import javafx.application.Application;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

import javafx.geometry.Pos;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.CheckBox;

import javafx.scene.control.ChoiceBox;

import javafx.scene.control.DatePicker;

import javafx.scene.control.ListView;

import javafx.scene.control.RadioButton;

import javafx.scene.control.TextField;

import javafx.scene.control.ToggleButton;

import javafx.scene.control.ToggleGroup;

import javafx.scene.layout.GridPane;

import javafx.scene.text.Text;

import javafx.stage.Stage;

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public class Registration extends Application {

@Override

public void start(Stage stage) {

//Label for name

Text nameLabel = new Text("Name");

//Text field for name

TextField nameText = new TextField();

//Label for date of birth

Text dobLabel = new Text("Date of birth");

//date picker to choose date

DatePicker datePicker = new DatePicker();

//Label for gender

Text genderLabel = new Text("gender");

//Toggle group of radio buttons

ToggleGroup groupGender = new ToggleGroup();

RadioButton maleRadio = new RadioButton("male");

maleRadio.setToggleGroup(groupGender);

RadioButton femaleRadio = new RadioButton("female");

femaleRadio.setToggleGroup(groupGender);

//Label for reservation

Text reservationLabel = new Text("Reservation");

//Toggle button for reservation

ToggleButton Reservation = new ToggleButton();

ToggleButton yes = new ToggleButton("Yes");

ToggleButton no = new ToggleButton("No");

ToggleGroup groupReservation = new ToggleGroup();

yes.setToggleGroup(groupReservation);

no.setToggleGroup(groupReservation);

//Label for technologies known

Text technologiesLabel = new Text("Technologies Known");

//check box for education

CheckBox javaCheckBox = new CheckBox("Java");

javaCheckBox.setIndeterminate(false);

//check box for education

CheckBox dotnetCheckBox = new CheckBox("DotNet");

javaCheckBox.setIndeterminate(false);

//Label for education

Text educationLabel = new Text("Educational qualification");

//list View for educational qualification

ObservableList<String> names = FXCollections.observableArrayList(

"Engineering", "MCA", "MBA", "Graduation", "MTECH", "Mphil", "Phd");

ListView<String> educationListView = new ListView<String>(names);

//Label for location

Text locationLabel = new Text("location");

//Choice box for location

ChoiceBox locationchoiceBox = new ChoiceBox();

locationchoiceBox.getItems().addAll

("Hyderabad", "Chennai", "Delhi", "Mumbai", "Vishakhapatnam");

//Label for register

Button buttonRegister = new Button("Register");

//Creating a Grid Pane

GridPane gridPane = new GridPane();

//Setting size for the pane

gridPane.setMinSize(500, 500);

//Setting the padding

// gridPane.setPadding(new Insets(10, 10, 10, 10));

//Setting the vertical and horizontal gaps between the columns

gridPane.setVgap(5);

gridPane.setHgap(5);

//Setting the Grid alignment

gridPane.setAlignment(Pos.CENTER);

//Arranging all the nodes in the grid

gridPane.add(nameLabel, 0, 0);

gridPane.add(nameText, 1, 0);

gridPane.add(dobLabel, 0, 1);

gridPane.add(datePicker, 1, 1);

gridPane.add(genderLabel, 0, 2);

gridPane.add(maleRadio, 1, 2);

gridPane.add(femaleRadio, 2, 2);

gridPane.add(reservationLabel, 0, 3);

gridPane.add(yes, 1, 3);

gridPane.add(no, 2, 3);

gridPane.add(technologiesLabel, 0, 4);

gridPane.add(javaCheckBox, 1, 4);

gridPane.add(dotnetCheckBox, 2, 4);

gridPane.add(educationLabel, 0, 5);

gridPane.add(educationListView, 1, 5);

gridPane.add(locationLabel, 0, 6);

gridPane.add(locationchoiceBox, 1, 6);

gridPane.add(buttonRegister, 2, 8);

//Styling nodes

buttonRegister.setStyle(

"-fx-background-color: darkslateblue; -fx-textfill: white;");

nameLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

dobLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

genderLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

reservationLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

technologiesLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

educationLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

locationLabel.setStyle("-fx-font: normal bold 15px 'serif' ");

//Setting the back ground color

gridPane.setStyle("-fx-background-color: BEIGE;");

//Creating a scene object

Scene scene = new Scene(gridPane);

//Setting title to the Stage

stage.setTitle("Registration Form");

//Adding scene to the stage

stage.setScene(scene);

//Displaying the contents of the stage

stage.show();

}

public static void main(String args[]){

launch(args);

}

}