The First Group

Jonathan Birkey, Kyle Grondin, Mihai Marinescu, Tyler Sanchez
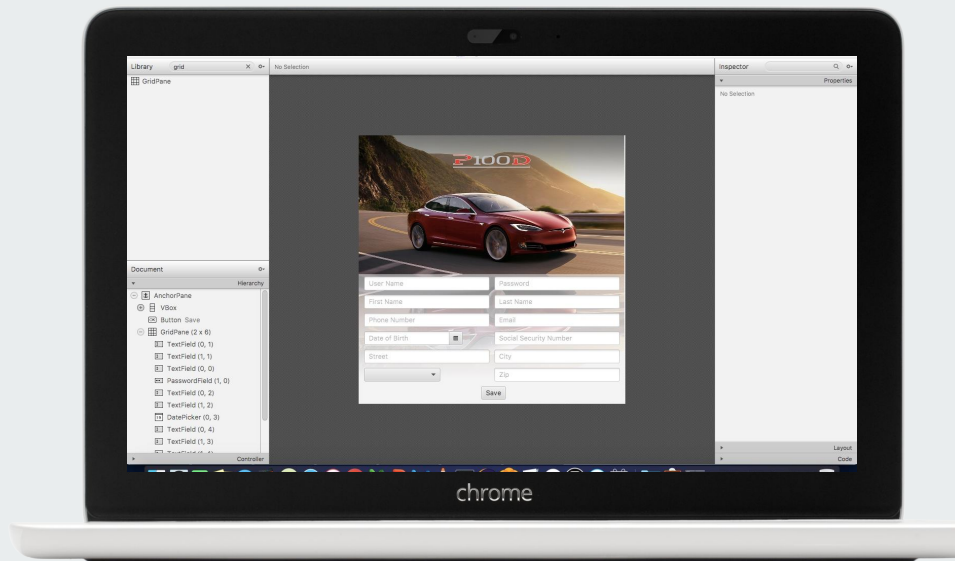
Outline

Introduction

Developers

➔ Jonathan Birkey

➔ Kyle Grondin

➔ Mihai Marinescu

➔ Tyler Sanchez

Description

The Tesla Application

This is a an application that provides the user the ability to customize a car from the Tesla manufacturer.

It uses a local database to save the customer's information.

Deliverable of the week

Data Validation

```java
public void btSaveAction(ActionEvent e){
    boolean correctFields = true;
    // Check each individual fields
    if(txtFirstName.getText().equals("")){
        txtFirstName.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    } else {
        txtFirstName.setStyle("");
    }
    if(txtLastName.getText().equals("")){
        txtLastName.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    } else {
        txtLastName.setStyle("");
    }
    if(txtPhoneNumber.getText().equals("")){
        txtPhoneNumber.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    } else if (txtPhoneNumber.getText().matches("[a-zA-Z]+")){
        // Show alert
        Alert alert = new Alert(Alert.AlertType.ERROR);
        alert.setTitle("Error");
        alert.setHeaderText(" Error");
        alert.setContentText("Please only use numbers for your Phone number");
        alert.showAndWait();
        txtPhoneNumber.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    }else {
        txtPhoneNumber.setStyle("");
    }
    if(txtEmail.getText().equals("")){
        txtEmail.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    } else {
        txtEmail.setStyle("");
    }
    if(dpDOB.getValue() == null){
        dpDOB.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
        correctFields = false;
    } else {
```

```java
                txtZip.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
                correctFields = false;
            } else {
                txtZip.setStyle("");
            }


            if(correctFields){
                // Only goes through if onlyNumbers stayed true
                Customer customer = new Customer();
                customer.setcity(txtCity.getText());
                customer.setStreet(txtStreet.getText());
                customer.setState(cboState.getValue().toString());
                customer.setZip(txtZip.getText());
                customer.setDOB(java.sql.Date.valueOf(dpDOB.getValue()));
                customer.setEmail(txtEmail.getText());
                customer.setFirstName(txtFirstName.getText());
                customer.setLastName(txtLastName.getText());
                customer.setPassword(HashPassword.hashPassword(txtPassword.getText()));
                customer.setUserName(txtUsername.getText());
                customer.setPhone(txtPhoneNumber.getText());
                customer.setSSN(txtSocialSecurityNumber.getText());

                // Send in customer to register
                Connect conn = new Connect();
                conn.initalizeDB();
                System.out.println("Sending in customer");
                conn.register(customer);
                conn.closeDB();
                //MasterPaneController.userMap.put(customer.getUserName(), customer);
                // Send it back to the log in scene
                try{
                    FXMLLoader loader = new FXMLLoader();
                    loader.setLocation(LogInController.class.getResource("LogInScene.fxml"));
                    logInLayout = (AnchorPane) loader.load();
                    MasterPaneController.masterLayout.setCenter(logInLayout);

                }catch (IOException ex){
                    ex.printStackTrace();
                }
            } else {
                showAlert();
            }
        }
```

```java
if(txtZip.getText().equals("")){
    txtZip.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
    correctFields = false;
} else if (txtZip.getText().matches("[a-zA-Z]+")){
    // Show alert
    Alert alert = new Alert(Alert.AlertType.ERROR);
    alert.setTitle("Error");
    alert.setHeaderText(" Error");
    alert.setContentText("Please only use numbers for your Zip Code");
    alert.showAndWait();
    txtZip.setStyle("-fx-background-color: #FFF0F0; -fx-prompt-text-fill: red");
    correctFields = false;
} else {
    txtZip.setStyle("");
}
```

Problems Encountered

Highlighting Invalid Data

All the boxes were highlighted for invalid data. There was no specific box highlighted where data is invalid

Summary

What has been accomplished thus far

➔ Able to log in, register, update information, and create a car

➔ Connected to the database for logins

What's Next

What next?

➔ Connecting the Car GUI to the Cart GUI

➔ Getting cart scene portion of GUI up and running

➔ Admin GUI and permissions

Questions?