

```
package sample;

import javafx.application.Application;
import javafx.fxml.FXMLLoader;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.stage.Stage;

public class Main extends Application {

    @Override
    public void start(Stage primaryStage) throws Exception{
        Parent root = FXMLLoader.load(getClass().getResource("sample.fxml"));
        primaryStage.setTitle("Sample Fxml");
        primaryStage.setScene(new Scene(root, width: 300, height: 275));
        primaryStage.show();
    }

    public static void main(String[] args) { launch(args); }
}
```

```
package sample;

import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.scene.control.Button;
import javafx.scene.control.DatePicker;
import javafx.scene.control.TextField;
import javafx.util.StringConverter;

import java.time.LocalDate;
import java.time.format.DateTimeFormatter;

public class Controller {
    @FXML
    private TextField usernameField;
    @FXML
    private TextField passwordField;
    @FXML
    private TextField nameField;
    @FXML
    private TextField emailField;
    @FXML
    private TextField PNField;
    @FXML
    private Button enterBtn;

    @FXML
    private DatePicker datePicker;

    private DateTimeFormatter dateTimeFormatter;
```

```

@FXML
public void initialize() {
    final String datePattern = "M/dd/yyyy";
    dateTimeFormatter = DateTimeFormatter.ofPattern(datePattern);
    datePicker.setConverter(new StringConverter<LocalDate>() {
        @Override
        public String toString(LocalDate date) {
            String finalDate = null;
            if (date != null)
                finalDate = dateTimeFormatter.format(date);
            return finalDate;
        }

        @Override
        public LocalDate fromString(String string) {
            LocalDate date = null;
            if (string!=null)
                date = LocalDate.parse(string, dateTimeFormatter);
            return date;
        }
    });
}

```

```

@FXML
public void btnOnPress (ActionEvent event) {
    if (usernameField.getText().length() > 0) {
        System.out.println(usernameField.getText());
        System.out.println(passwordField.getText());
        System.out.println(nameField.getText());
        System.out.println(emailField.getText());
        System.out.println(PNField.getText());
        System.out.println(datePicker.getEditor().getText());
    }
}

```

```

<?import javafx.scene.layout.GridPane?>
<?import javafx.scene.control.Button?>
<?import javafx.scene.control.Label?>
<?import javafx.scene.text.Text?>
<?import javafx.scene.control.TextField?>
<?import javafx.scene.control.DatePicker?>
<GridPane fx:controller="sample.Controller"
    xmlns:fx="http://javafx.com/fxml" alignment="center" hgap="10" vgap="10">
    <!--Top Text -->
    <Text text = "Java FX Sample" GridPane.columnIndex = "0" GridPane.rowIndex = "0" />
    <Label text = "Username" GridPane.columnIndex="0" GridPane.rowIndex = "1" />
    <Label text = "Password" GridPane.columnIndex="0" GridPane.rowIndex = "2" />
    <Label text = "Full Name" GridPane.columnIndex="0" GridPane.rowIndex = "3" />
    <Label text = "email" GridPane.columnIndex="0" GridPane.rowIndex = "4" />
    <Label text = "Phone Number" GridPane.columnIndex="0" GridPane.rowIndex = "5" />
    <Label text = "Date of Birth:" GridPane.columnIndex="0" GridPane.rowIndex = "6" />

    <TextField id = "usernameField" fx:id = "usernameField" promptText="USERNAME HERE" GridPane.columnIndex="1" GridPane.rowIndex = "1" />
    <TextField id = "passwordField" fx:id = "passwordField" promptText="PASSWORD HERE" GridPane.columnIndex="1" GridPane.rowIndex = "2" />
    <TextField id = "nameField" fx:id = "nameField" promptText="FULLNAME HERE" GridPane.columnIndex="1" GridPane.rowIndex = "3" />
    <TextField id = "emailField" fx:id = "emailField" promptText="EMAIL HERE" GridPane.columnIndex="1" GridPane.rowIndex = "4" />
    <TextField id = "PNField" fx:id = "PNField" promptText="###-###-####" GridPane.columnIndex="1" GridPane.rowIndex = "5" />

    <DatePicker id = "datePicker" fx:id = "datePicker" promptText = "mm/dd/yyyy" GridPane.columnIndex="1" GridPane.rowIndex="6" />

    <Button id = "enterBtn" fx:id = "enterBtn" onAction="#btnOnPress" text = "Register" GridPane.columnIndex="1" GridPane.rowIndex="7" />

</GridPane>

```

Sample Fxml

Java FX Sample

Username

ale936

Password

N.A

Full Name

Alessandro Prativiera

email

aleprativiera23@gmail.com

Phone Number

555-555-5555

Date of Birth:

11/23/2001

Register

```
/Library/Java/JavaVirtualMachines/zulu-11.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Cont  
ale936  
N.A  
Alessandro Prativiera  
aleprativiera23@gmail.com  
555-555-5555  
11/23/2001
```

