Application Development – JavaFX

Tutorial 1

Question :

Follow the steps given to create your first JavaFX Application.

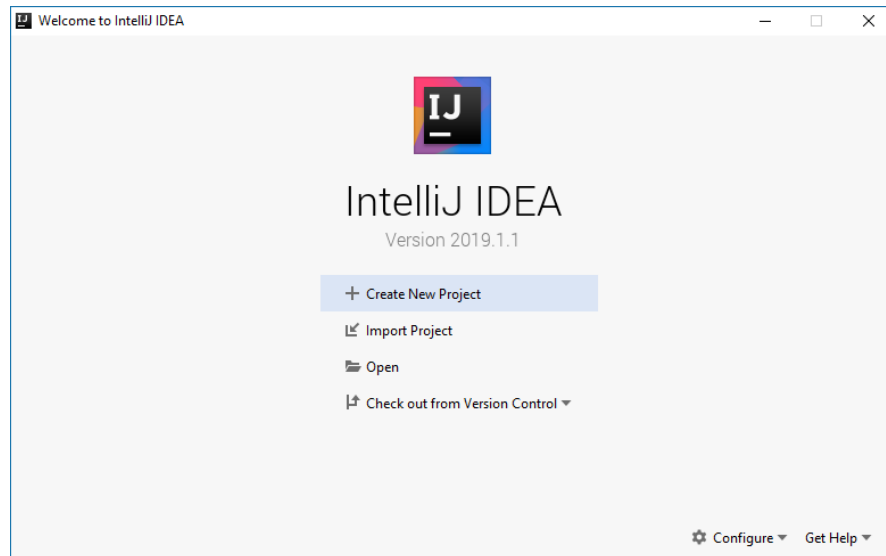1. Open IntelliJ IDE and create a new project.

Figure 1: Create New Project

2. Select JavaFX -> JavaFX Application from the 'New Project' window and select or give path to the project SDK by clicking' New..' if <<No SDK>> .
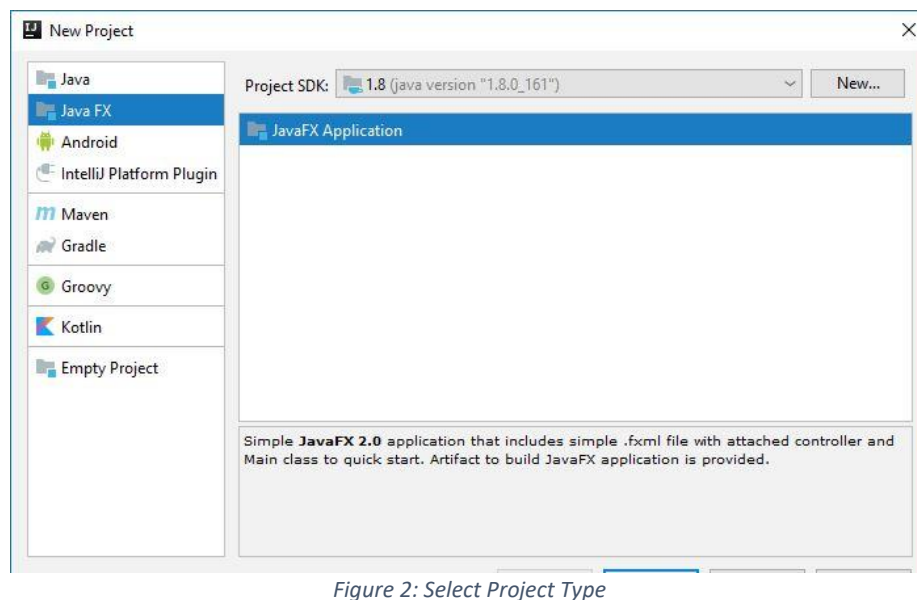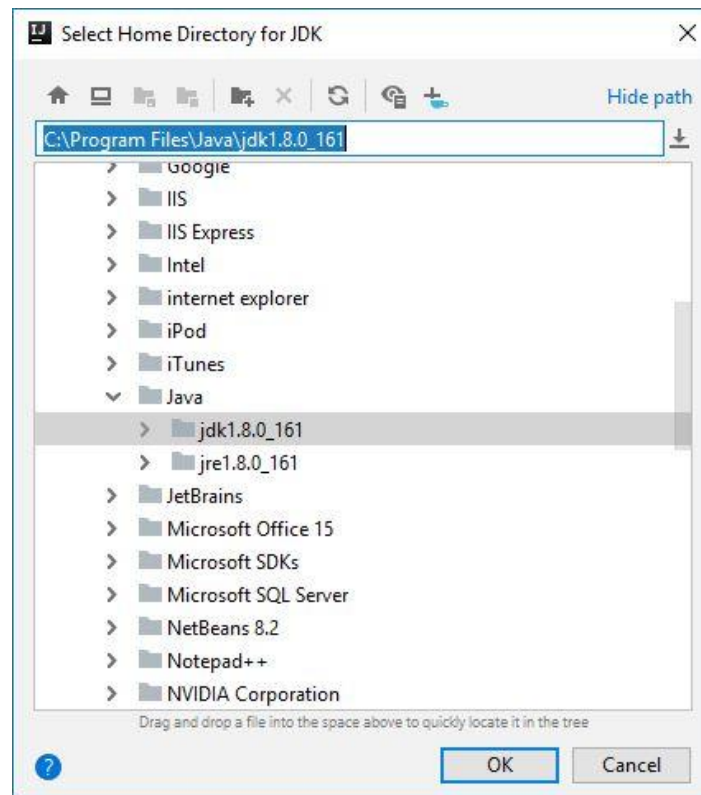

Figure 2: Select Project Type

Figure 3: Give path to SDK if required

3. Provide a name for your first JavaFX project
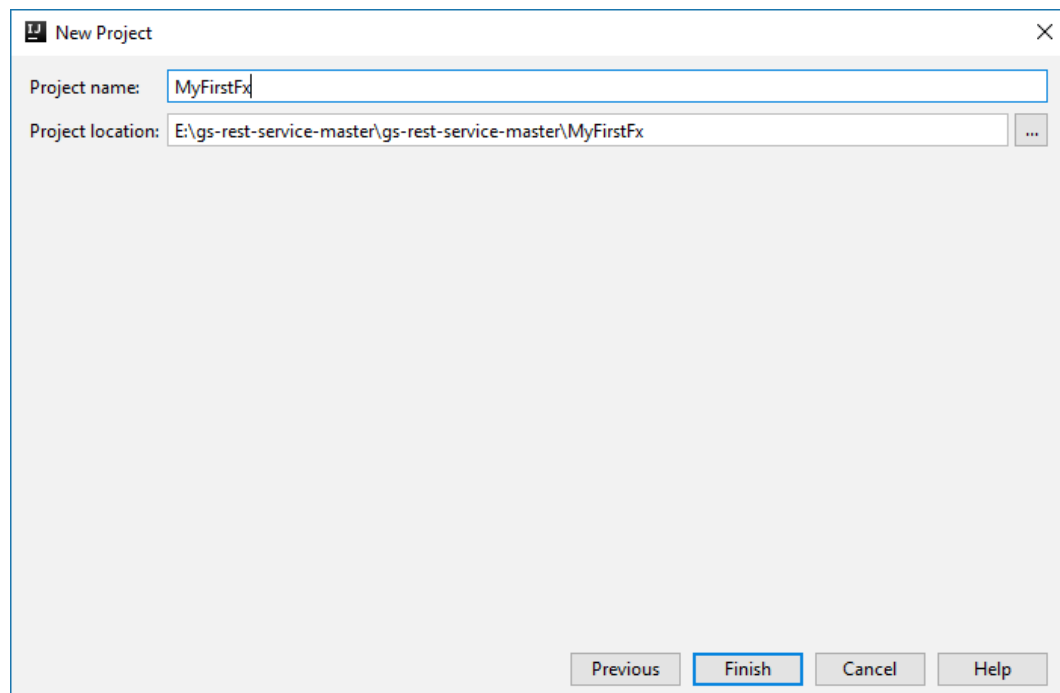

Figure 4: Provide Project Name and Location

4. Open the sample.fxml file from the Project window.
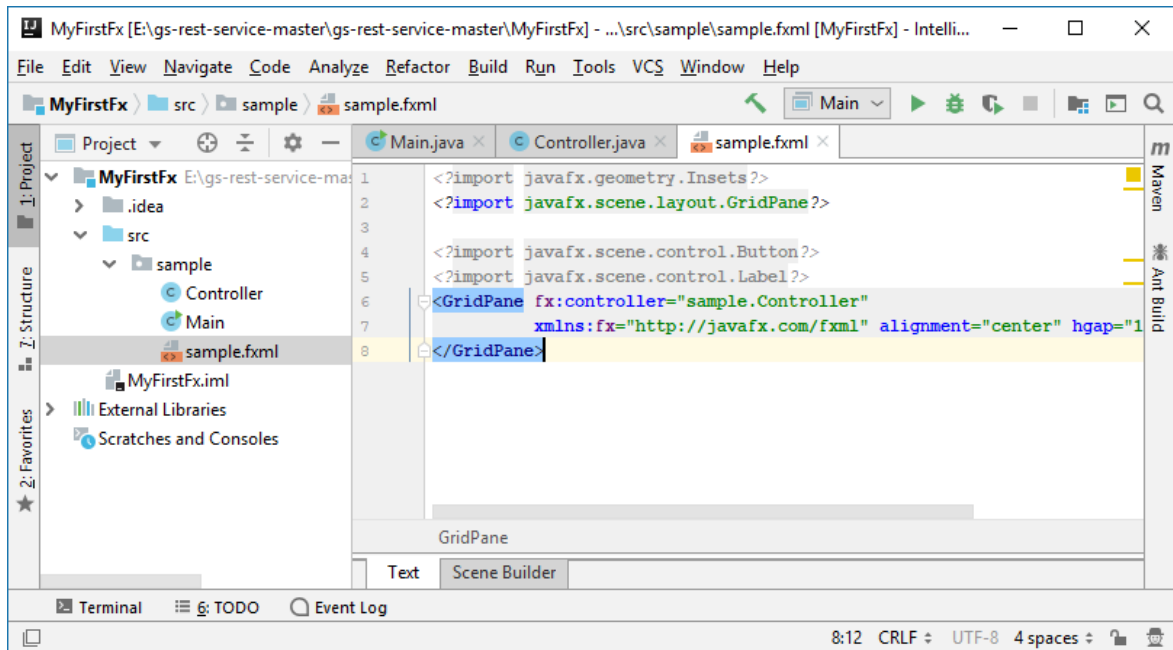

Figure 5: Open generated fxml file
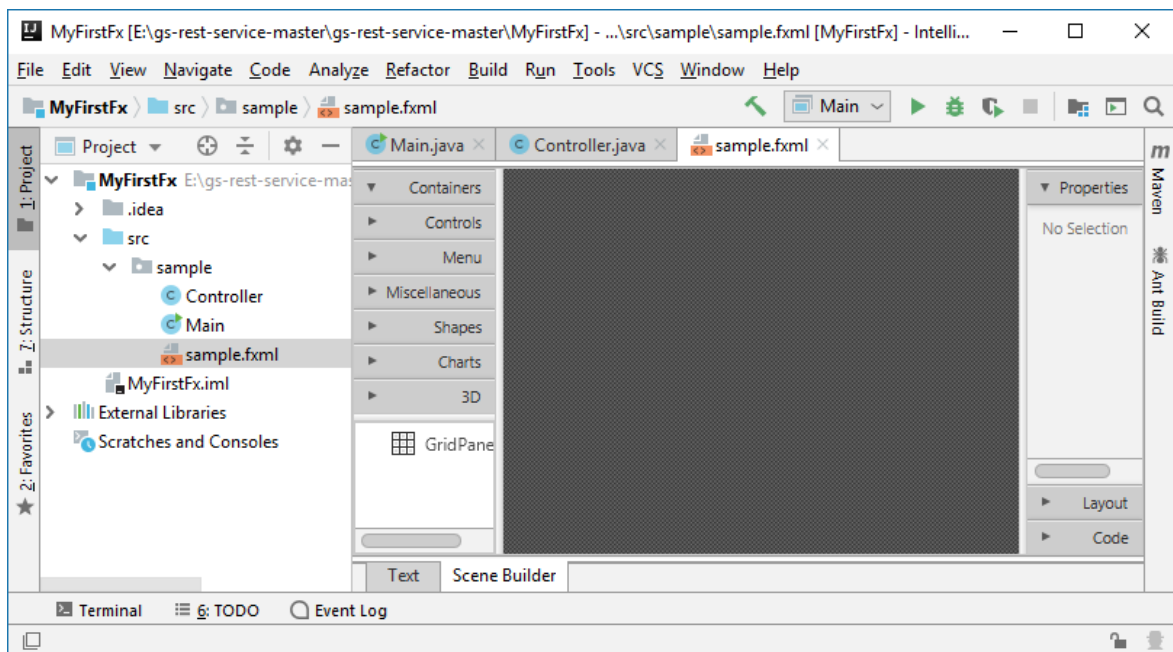
5. Navigate to Scene Builder

Figure 6: Open in Scene Builder

6. Use the Scene-Builder's Drag and Drop option and the toolkit to recreate the following user interface in the sample.fxml file.

7. Rename sample.fxml to login.fxml. (Make sure to use Refactor option).

8. Add appropriate colors and styling to the javaFX components to obtain a better look and feel.

9. Create a new fxml file in the same project and name it signup.fxml. Design a signup form of your choice to obtain the following information from the user.

Personal Details
   a. First Name
   b. Last Name
   c. Age
   d. Birthday
   e. Gender
   f. Civil Status
   g. Country

Contact Details

   h. Email
   i. Mobile

Login Details

        j.   Username

        k. Password

        l.   Confirm Password

10. Use appropriate controls for the fields.

11. Set the stage title to 'Signup'.

12. Add two buttons named 'Submit and 'Clear'.

13. Add appropriate colors and Styling.

Saving your work

- Create a Google Drive folder named JavaFX Application Development in your IIT Google Drive.
- Create folders to save weekly tutorials. Ex: 'Week 01' for today's tutorial
- Upload your project to this week's folder to access later.