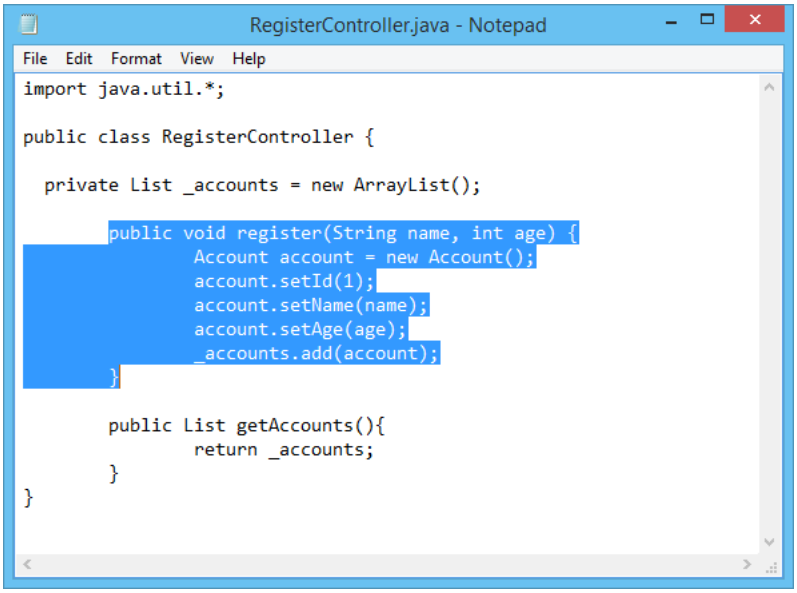
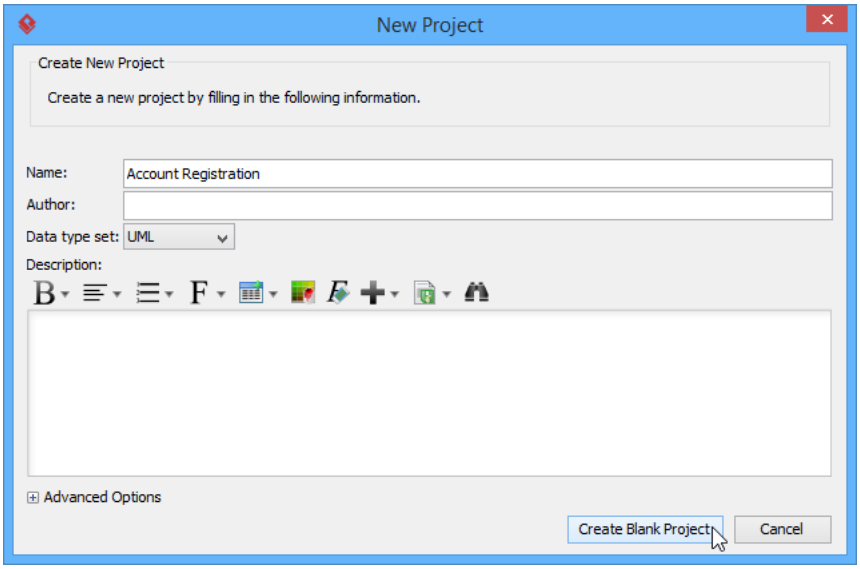
How to Generate Sequence Diagram from Java?

Written Date : November 10, 2014

1. Download Sample.zip for this tutorial and extract the zip file to any directory.
2. Study the source code. Read the *register* method in *RegisterController.java* to see how it works.



3. Create a new project by selecting **Project > New** from the application toolbar. In the **New Project** window, enter *Account Registration* as the project name and click **Create Blank Project**.

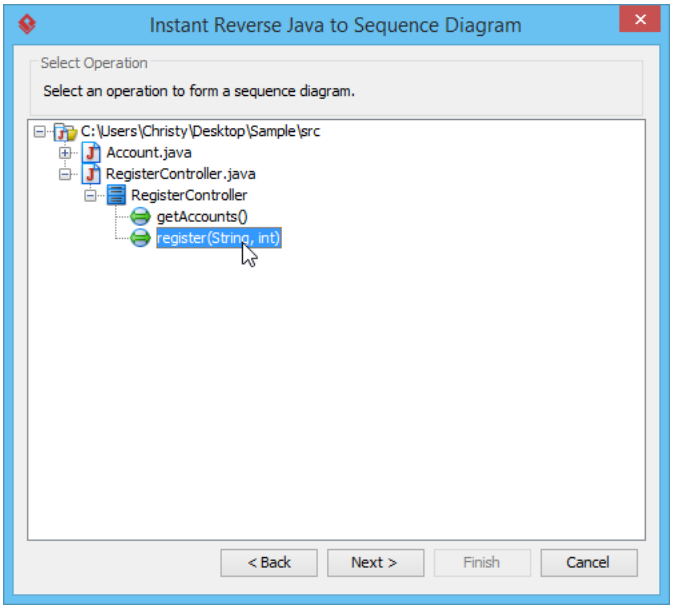


4. Select **Tools > Code > Instant Reverse Java to Sequence Diagram...** from the toolbar.

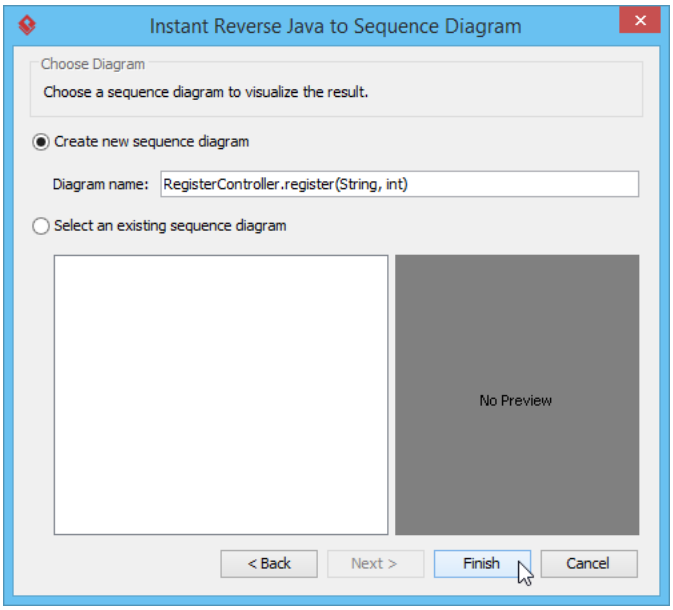
5. In the **Instant Reverse Java to Sequence Diagram** window, click the **Add Source Folder...** button.

6. Select the extracted source folder, `src`. Click the **Next** button.

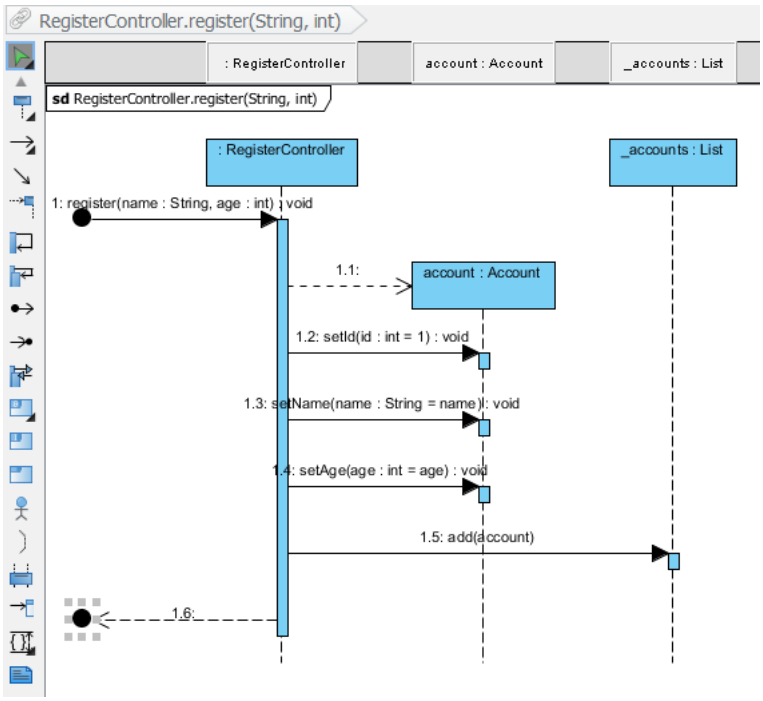
7. Select the method to visualize: **src > RegisterController.java > register(String, int)**. Click the **Next** button.



8. You need to select a diagram to visualize the interaction. The **Create new sequence diagram** option is selected, and a diagram name is entered by default. Click the **Finish** button.



9. As a result, a UML sequence diagram is formed. Let's study the diagram.



When the `register` method of `RegisterController` is invoked (message 1), it creates an `Account` object (message 1.1). After that, the controller sets the ID, name, and age of the `Account` object (messages 1.2, 1.3, 1.4) and adds the object to an account list (message 1.5). The invocation ends with a return message (message 1.6).

Resources

1. Sample.zip

Related Links

- Instant reverse Java sources to sequence diagram
- Why Aren't There Any Operations to Choose from in Reverse Engineering of Sequence Diagram?

Visual Paradigm home page
(https://www.visual-paradigm.com/)

Visual Paradigm tutorials
(https://www.visual-paradigm.com/tutorials/)