Use Case 1: Generate the java file and display the relation:
Scope: Java class relation system.
Level: user-goal
Primary Actor: User
Stakeholders and Interests:
-User: Want to correctly generate the java file and describe the relations between classes;
Preconditions: have install the java virtual machine
Success Guarantee: User successfully input the correct class modifier, name ,attributes, and methods. User have choose the correct relations between classes.
Main Success Scenario:

| Actor Action: | System Responsibility |
|---|---|
| 1.User run the application | |
| | 2.The application pop up its main window |
| 3.User click the interface button | |
| | 4.Application pop up a new sub-window to ask user to modify his interface class. |
| 5.User choose the modifier, input the interface name, attributes, methods, and click enter | |
| | 6.Application display a UML diagram-class which contains the interface name on the main window and display the general frame of the java class<br>7.Application generate the java file and put it put the root direction of Module2 |
| 8.User click the class button | |
| | 9Application pop up a new sub-window to ask user to modify his class. |
| 10.User choose the modifier, input the class name, attributes, methods, and click enter | |
| | 11.Application display a UML diagram-class which contains the class name on the main window and display the general frame of the java class<br>12.Application generate the java file and put it put the root direction of Module2 |
| 13.User click the arrow button | |
| | 14. Application display the UML arrow graph on the main window. |
| 15.user drag the class graph, interface graph arrow graph on the main window and modify the relations between them. | |

Alternative Scenario:

*a.The user input the wrong class information and click the enter button

Actor action: System responsibility

1.User close the main window

2.The application close all the window includes the sub window

3.user find the root direction of the module2 and delete the newly created java file.