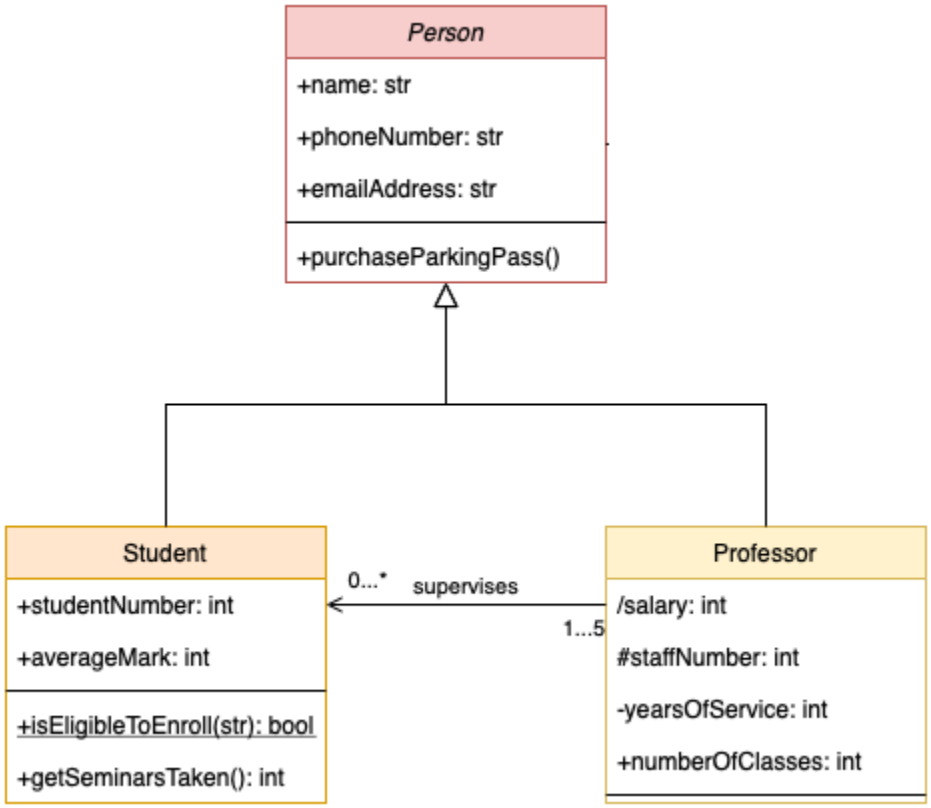
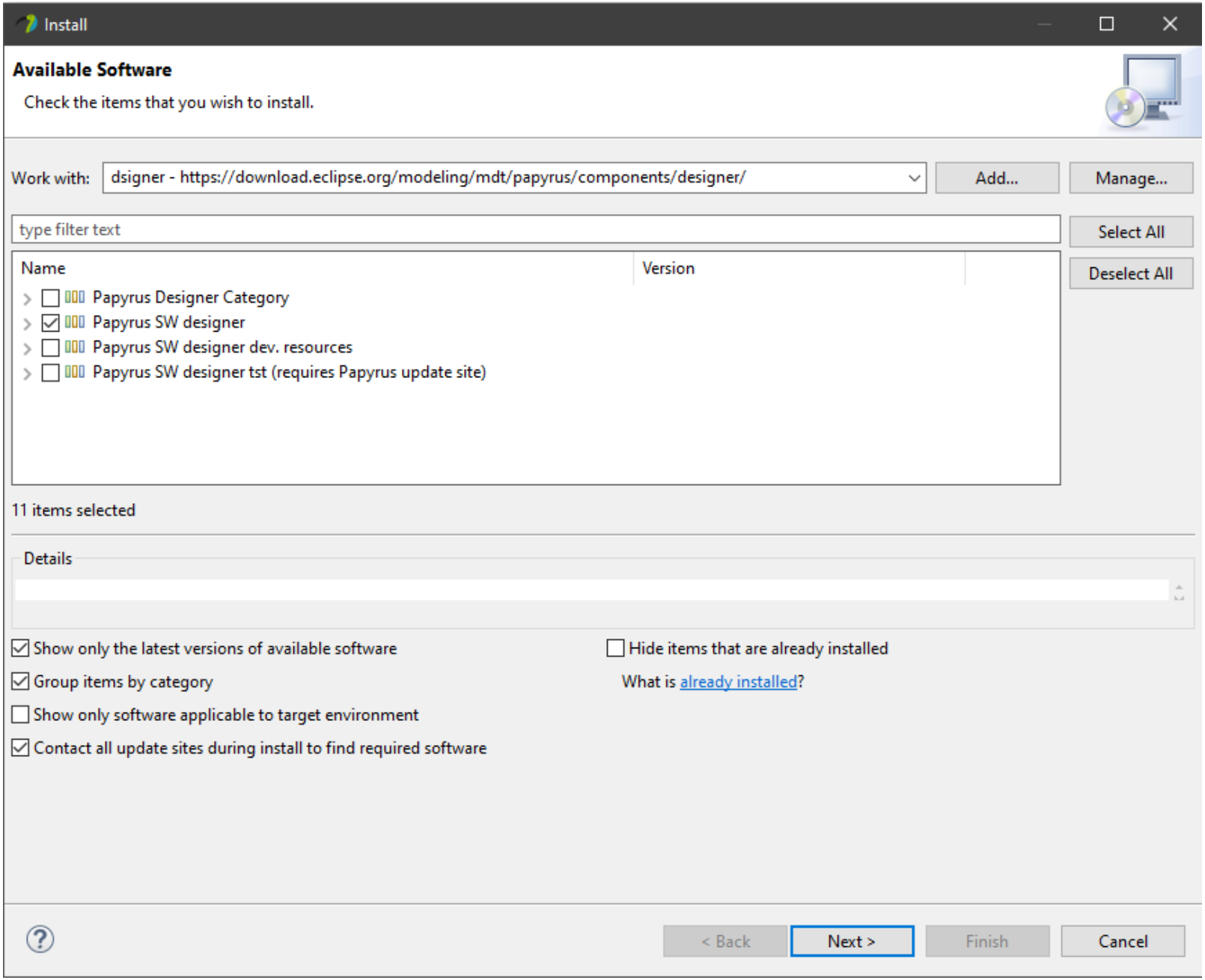
Lab Task:

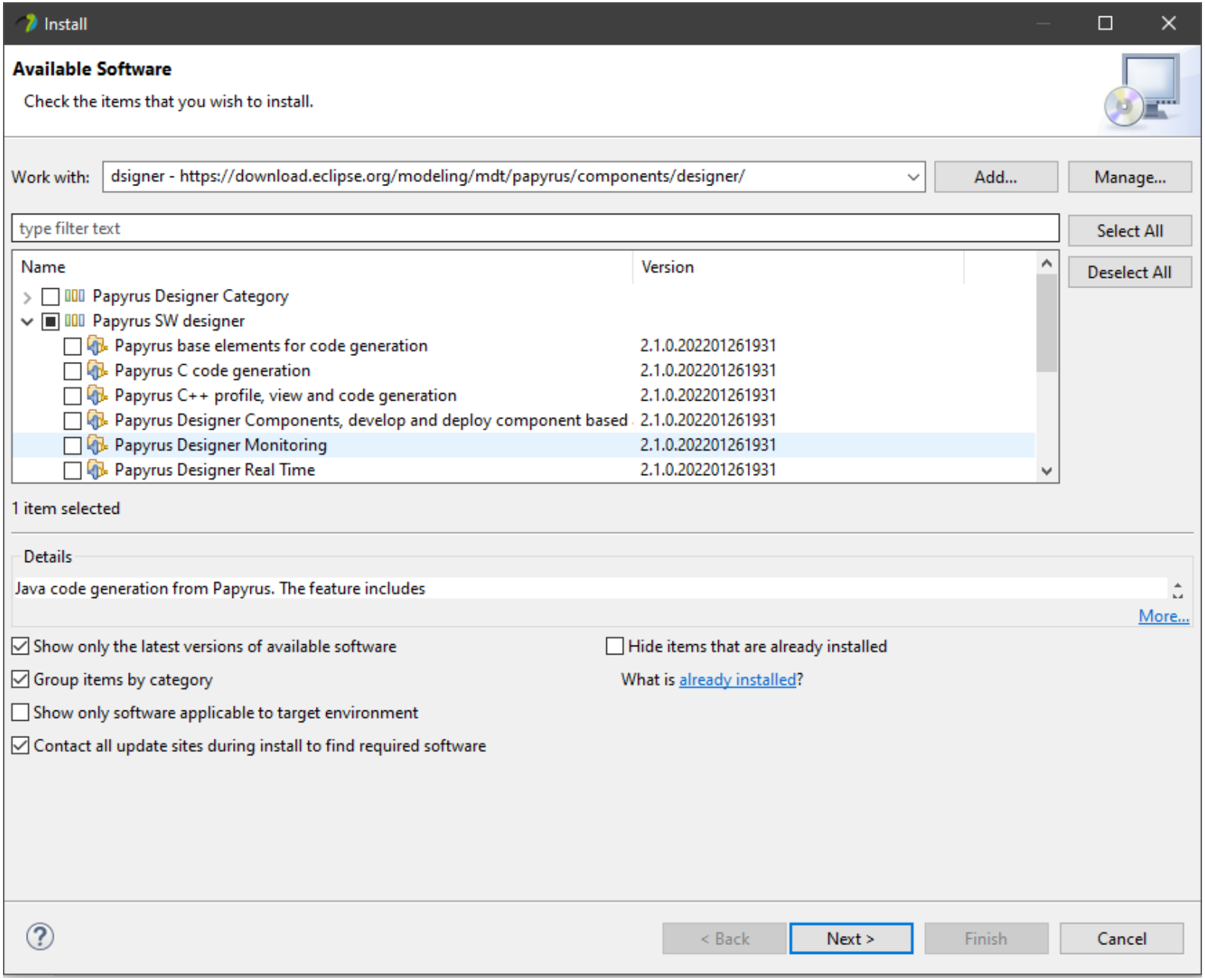
Create following class diagram and generate its code via papyrus :

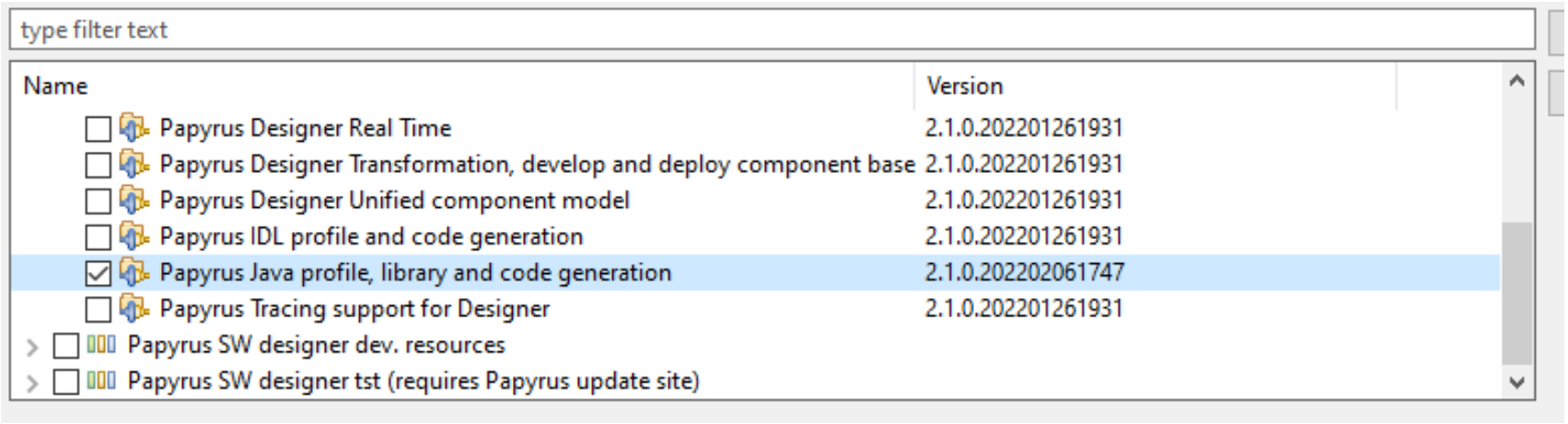


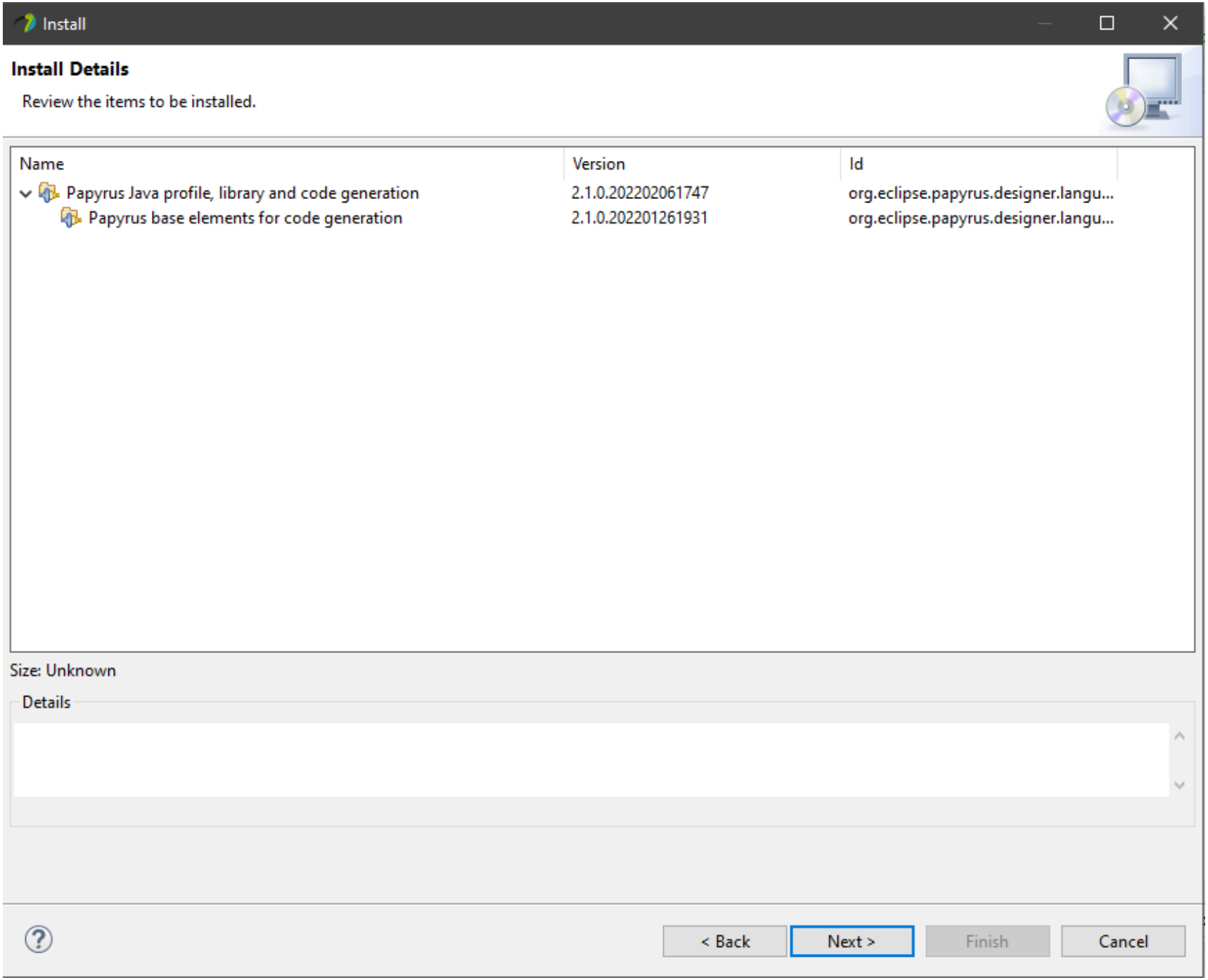
==========

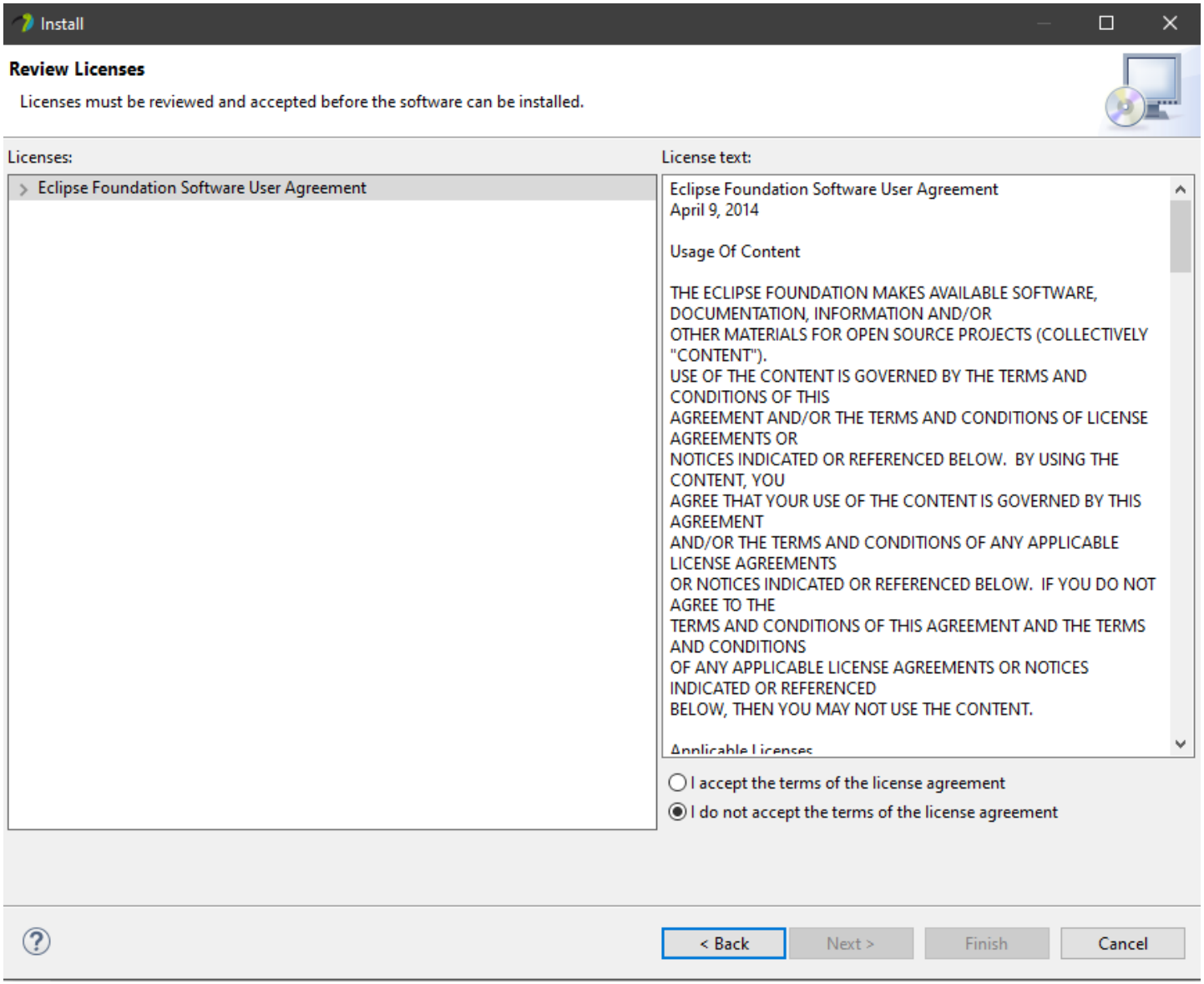
https://download.eclipse.org/modeling/mdt/papyrus/components/designer/




Install
Available Software
Check the items that you wish to install.
Work with:
dsigner - https://download.eclipse.org/modeling/mdt/papyrus/components/designer/
Add...
Manage...
type filter text
Select All
Deselect All
Name
Version
Papyrus Designer Category
Papyrus SW designer
Papyrus base elements for code generation 2.1.0.202201261931
Papyrus C code generation 2.1.0.202201261931
Papyrus C++ profile, view and code generation 2.1.0.202201261931
Papyrus Designer Components, develop and deploy component based 2.1.0.202201261931
Papyrus Designer Monitoring 2.1.0.202201261931
Papyrus Designer Real Time 2.1.0.202201261931
1 item selected
Details
Java code generation from Papyrus. The feature includes
More...
Show only the latest versions of available software
Hide items that are already installed
Group items by category
What is already installed?
Show only software applicable to target environment
Contact all update sites during install to find required software
< Back
Next >
Finish
Cancel


type filter text
Name
Version
Papyrus Designer Real Time
2.1.0.202201261931
Papyrus Designer Transformation, develop and deploy component base
2.1.0.202201261931
Papyrus Designer Unified component model
2.1.0.202201261931
Papyrus IDL profile and code generation
2.1.0.202201261931
Papyrus Java profile, library and code generation
2.1.0.202202061747
Papyrus Tracing support for Designer
2.1.0.202201261931
Papyrus SW designer dev. resources
Papyrus SW designer tst (requires Papyrus update site)


Install
Install Details
Review the items to be installed.
Name
Version
Id
Papyrus Java profile, library and code generation
2.1.0.202202061747
org.eclipse.papyrus.designer.langu...
Papyrus base elements for code generation
2.1.0.202201261931
org.eclipse.papyrus.designer.langu...
Size: Unknown
Details
< Back
Next >
Finish
Cancel


Install
Review Licenses
Licenses must be reviewed and accepted before the software can be installed.
Licenses:
Eclipse Foundation Software User Agreement
License text:
Eclipse Foundation Software User Agreement
April 9, 2014
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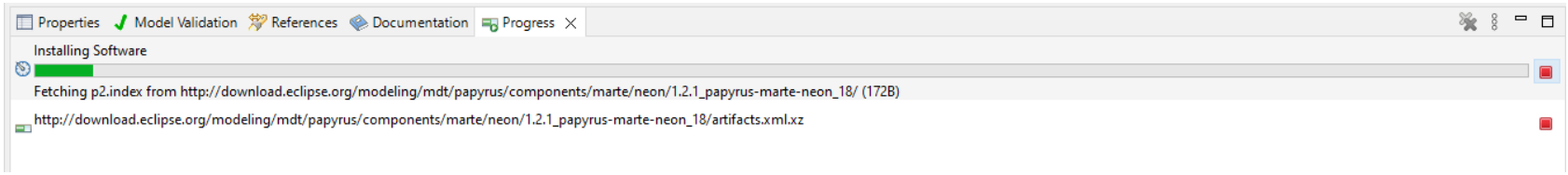
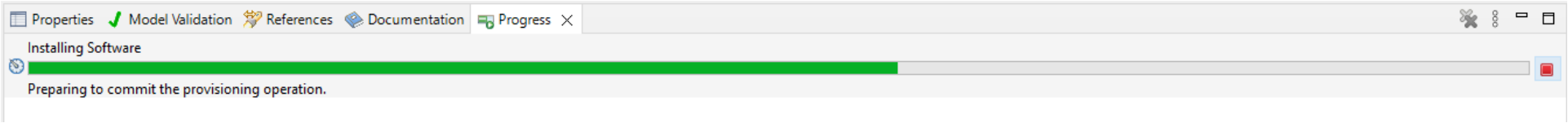
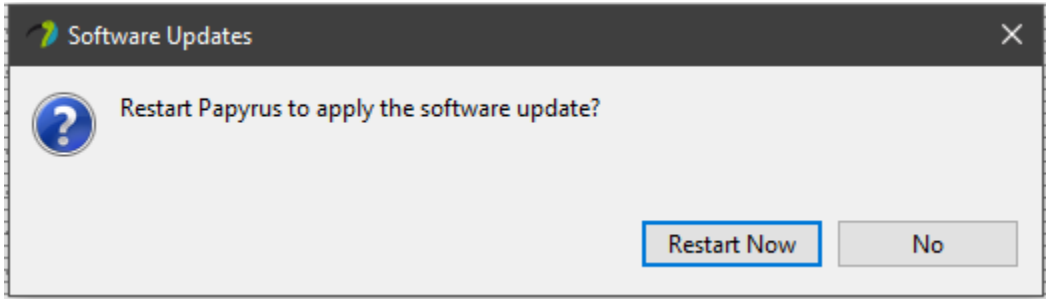
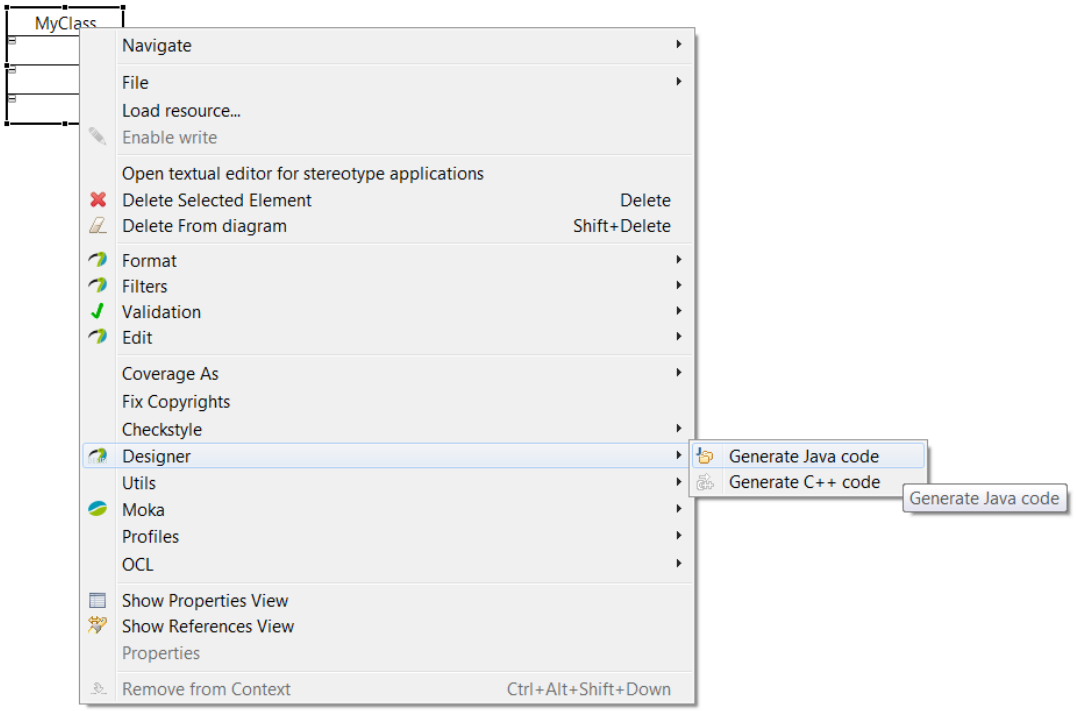
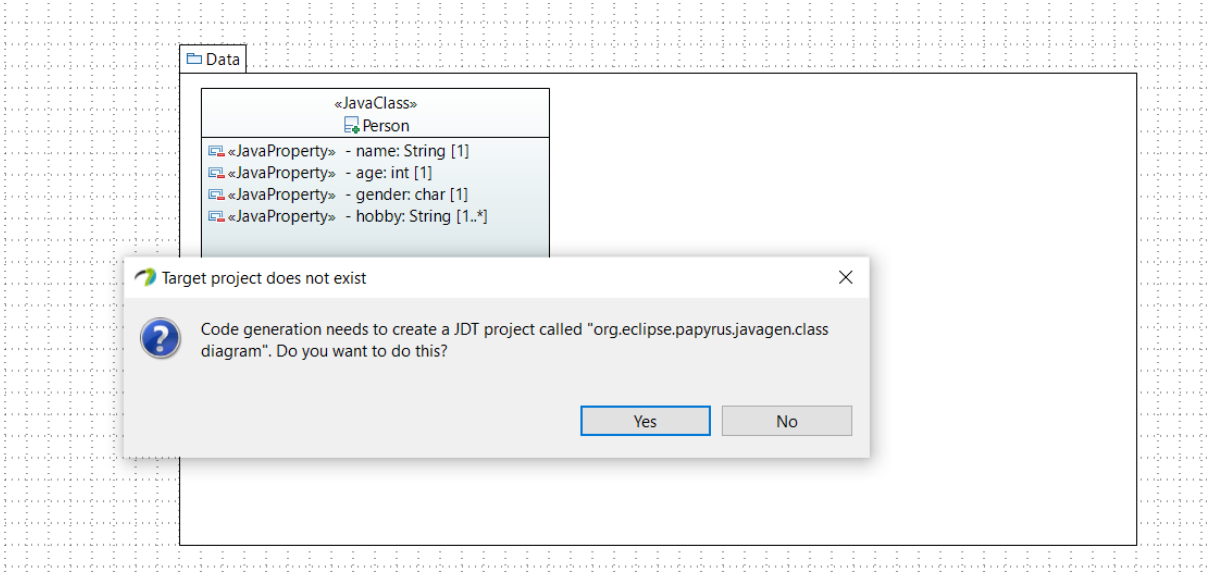
Applicable Licenses
I accept the terms of the license agreement
I do not accept the terms of the license agreement
< Back
Next >
Finish
Cancel


Properties
Model Validation
References
Documentation
Progress
Installing Software
Fetching p2.index from http://download.eclipse.org/modeling/mdt/papyrus/components/marte/neon/1.2.1_papyrus-marte-neon_18/ (172B)
http://download.eclipse.org/modeling/mdt/papyrus/components/marte/neon/1.2.1_papyrus-marte-neon_18/artifacts.xml.xz

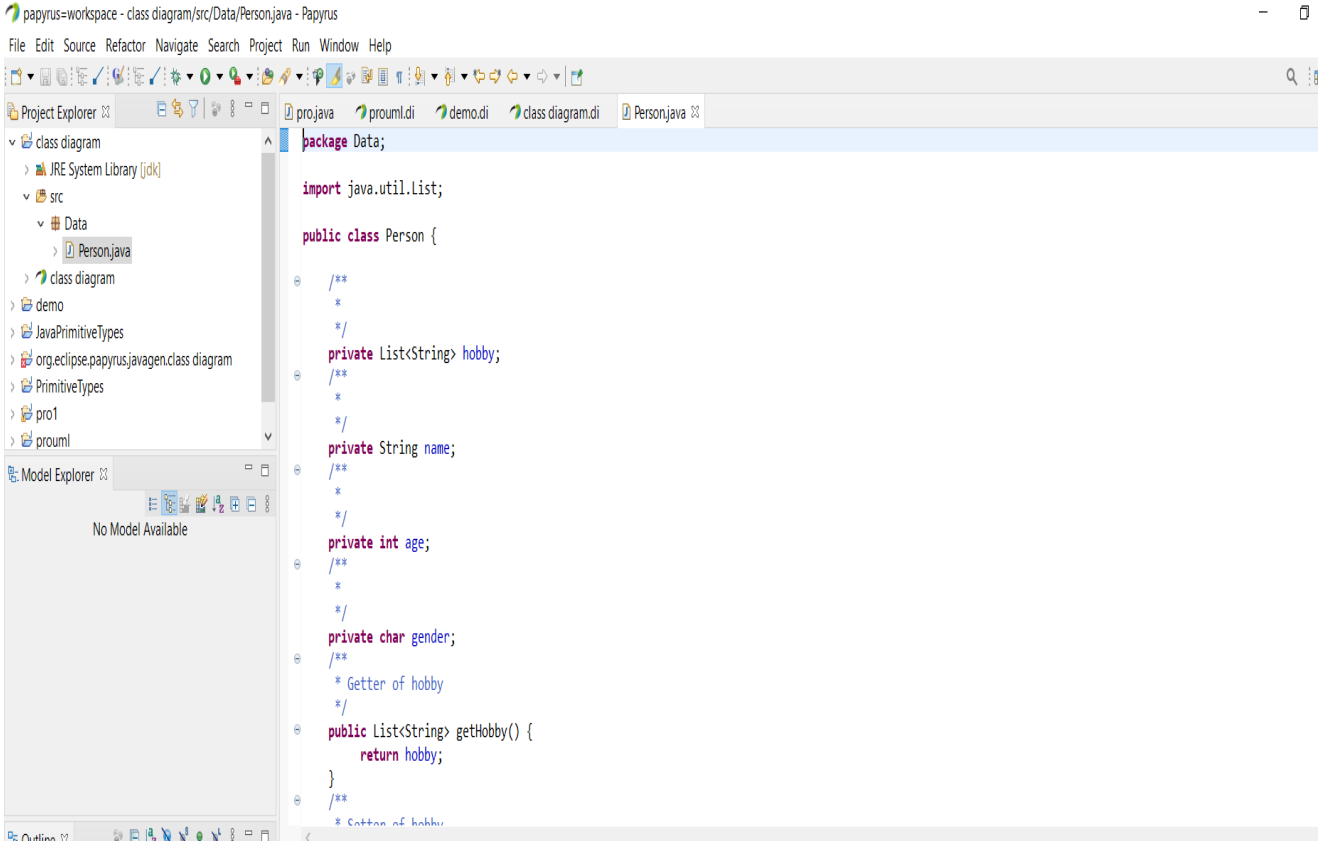

Properties
Model Validation
References
Documentation
Progress
Installing Software
Preparing to commit the provisioning operation.


Software Updates
Restart Papyrus to apply the software update?
Restart Now
No


MyClass
Navigate
File
Load resource...
Enable write
Open textual editor for stereotype applications
Delete Selected Element
Delete
Delete From diagram
Shift+Delete
Format
Filters
Validation
Edit
Coverage As
Fix Copyrights
Checkstyle
Designer
Utils
Moka
Profiles
OCL
Show Properties View
Show References View
Properties
Remove from Context
Ctrl+Alt+Shift+Down
Generate Java code
Generate C++ code
Generate Java code


Data
«JavaClass»
Person
«JavaProperty» - name: String [1]
«JavaProperty» - age: int [1]
«JavaProperty» - gender: char [1]
«JavaProperty» - hobby: String [1..*]
Target project does not exist
Code generation needs to create a JDT project called "org.eclipse.papyrus.javagen.class diagram". Do you want to do this?
Yes
No

Click on yes


papyrus=workspace - class diagram/src/Data/Person.java - Papyrus
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
class diagram
JRE System Library [jdk]
src
Data
Person.java
class diagram
demo
JavaPrimitiveTypes
org.eclipse.papyrus.javagen.class diagram
PrimitiveTypes
pro1
prouml
Model Explorer
No Model Available
Outline
pro.java
prouml.di
demo.di
class diagram.di
Person.java
package Data;
import java.util.List;
public class Person {
/**
*
*/
private List<String> hobby;
/**
*
*/
private String name;
/**
*
*/
private int age;
/**
*
*/
private char gender;
/**
* Getter of hobby
*/
public List<String> getHobby() {
return hobby;
}
/**