



HSR

HOCHSCHULE FÜR TECHNIK
RAPPERSWIL

FHO Fachhochschule Ostschweiz

B2B-tec

Exercise Setup

Hochschule für Technik Rapperswil
Master of Science in Software Engineering
Object-oriented Design



IFS

INSTITUTE FOR
SOFTWARE

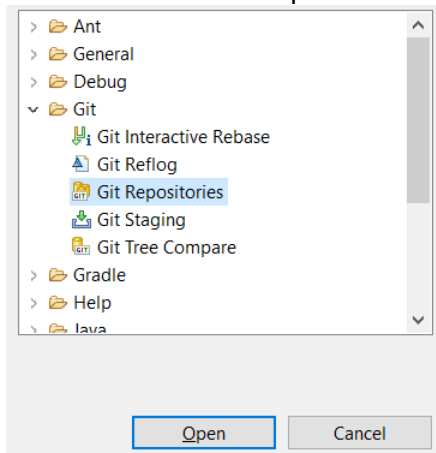
1 Working with Eclipse

1.1 Installation Guide

Please use a recent Eclipse JDT version, like Eclipse 2019-12 in conjunction with Java SDK 13 to open and run the provided templates.

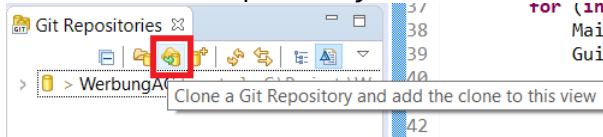
1.1.1 Show Git View

- 1) Open Eclipse 2018-12 and choose from menu Window > Show View > Other...
- 2) Select Git > Git Repositories.



1.1.2 Clone Practices (with Templates)

- 1) Within the Git Repositories view, choose Clone a Git Repository...

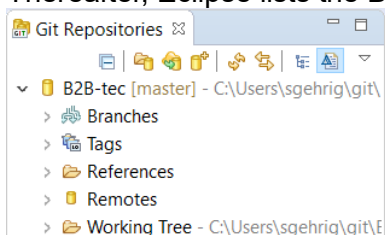


- 2) As URI enter <https://github.com/tcorbat/B2B-tec>.

Due it's a public repository, it's not required to add any other information such as authentication data.

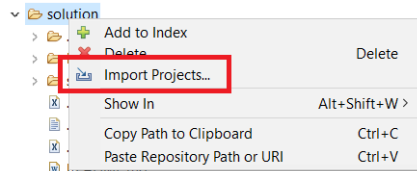
- 3) Select Next > within the wizard.
- 4) Choose the master branch and confirm selection by clicking the Next > button.
- 5) Finish the wizard without modifying any of the provided settings.

Thereafter, Eclipse lists the B2B-tec within the repositories view.



1.1.3 Import desired Eclipse projects

- 1) To run a specific project (template / solution) it's needed to import that project into the Eclipse Workspace. In the repository view, right click on the desired folder and choose **Import Projects...**



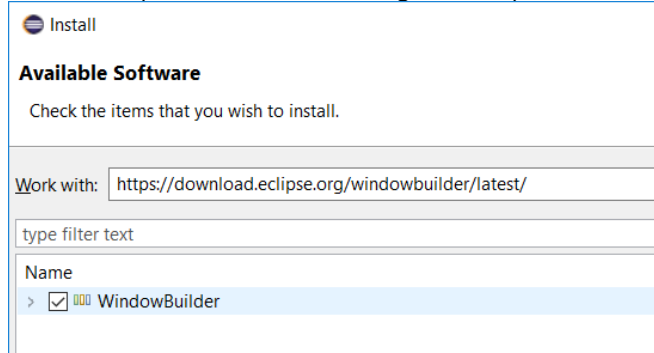
- 2) Confirm the wizard by clicking **Finish**.

1.1.4 Optional: Install Window Builder

- 1) If you'd like to dig deeper into the UI code, it's recommended to install the WindowBuilder Eclipse plugin. Open **Help > Install New Software...** from Eclipse's menu.
For more information about WindowBuilder visit <https://www.eclipse.org/windowbuilder>.

- 2) Paste the URI <https://download.eclipse.org/windowbuilder/latest/> into the **Work with:** field.

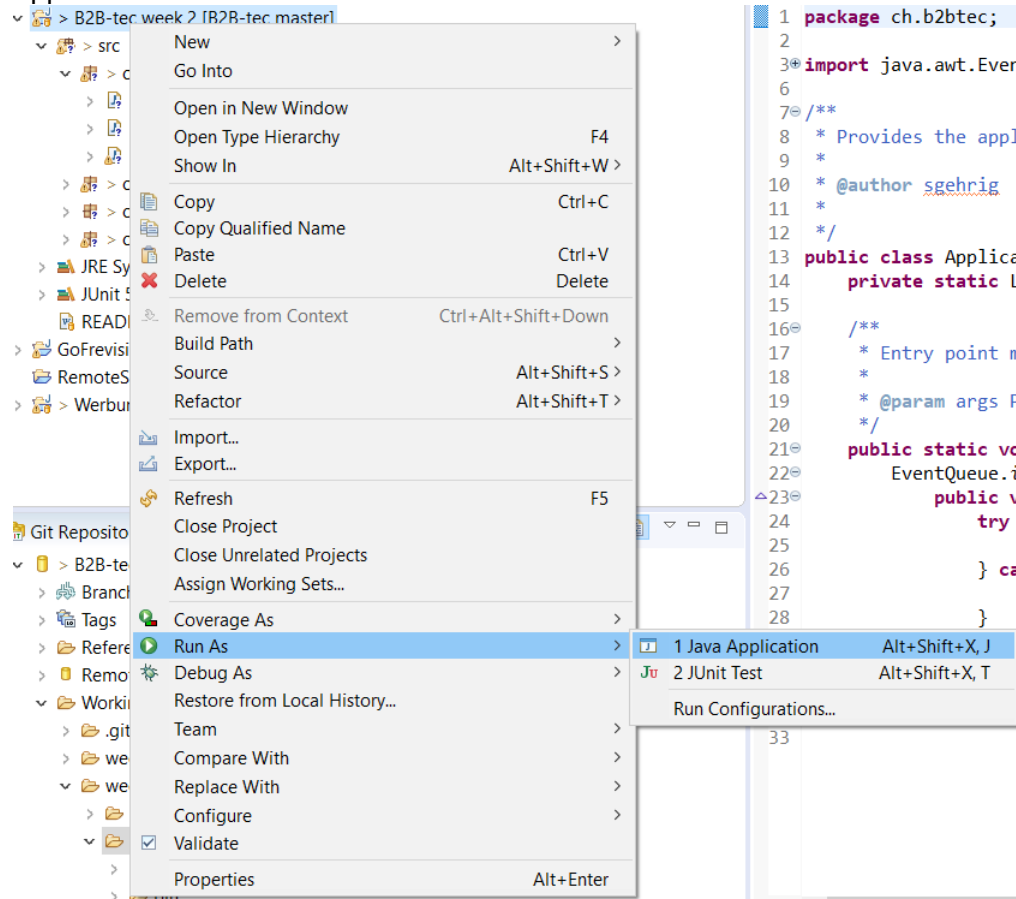
- 3) Select all (or at least the Swing-related) items to install.



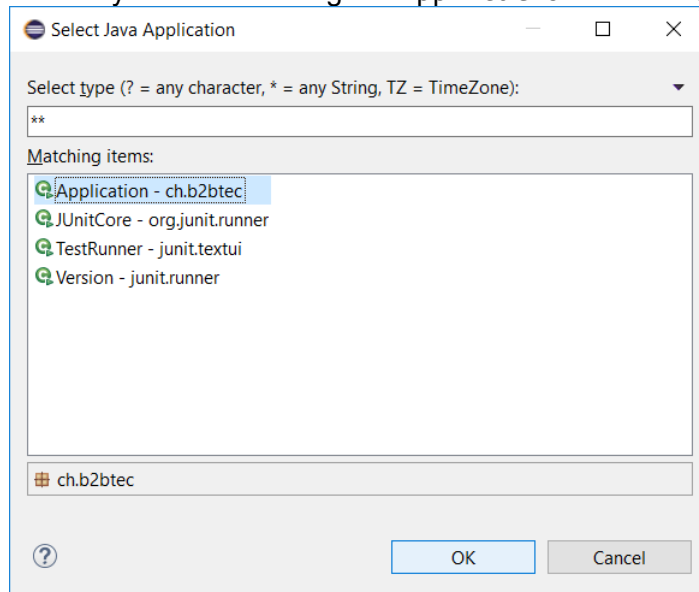
- 4) Confirm the dialog by clicking on **Finish** and restart Eclipse.

1.2 Run Eclipse Projects

- 1) Ensure you have imported the application to be executed (see section 1.1.3).
- 2) Right click in Package Explorer on the imported project and select Run As > Java Application.

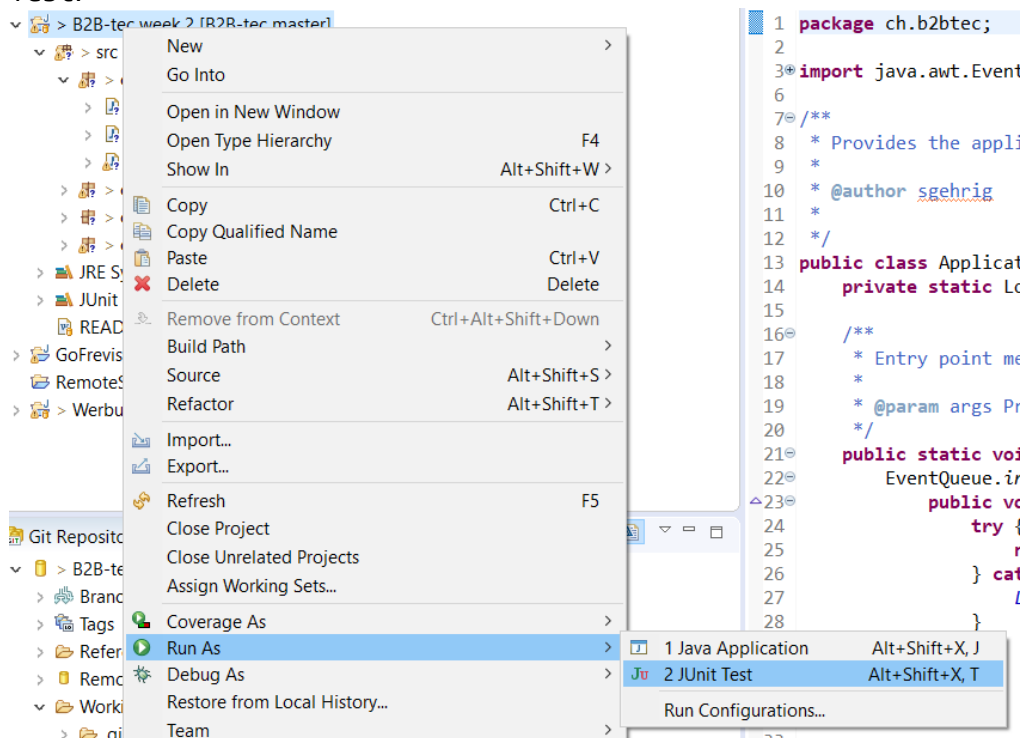


- 3) Ensure you are executing the Application class in ch.b2btec package.



1.3 Run Unit Tests

- 1) Ensure you have imported the application to be executed (see section 1.1.3).
- 2) Right click in Package Explorer on the imported project and select Run As > JUnit Test.





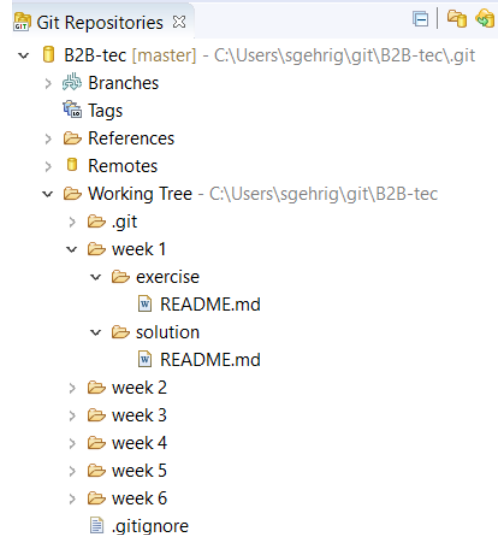
2 Repository Structure

The B2B-tec repository consists of one top level folder per teaching unit.

Each unit (e.g. week 1) accommodates an exercise folder with a README.me file containing all required information to fulfill the practices for the corresponding unit.

Additionally, a solution folder with solution source files or diagrams is given. Provided solutions could also be used to solve the exercises more efficiently.

Please use the master branch for doing your homework. All other branches are for demonstration purposes only.



3 Exercises

Please open <https://github.com/tcorbat/B2B-tec> by using your preferred browser and navigate to the desired teaching unit (e.g. week 1). Follow the exercises specified within the README.md files.