

# MBT DIT848/DAT261

## Tutorial 1

Jan Schröder

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# Information on Assignment 0 and 1

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- Status of group registration
- Distribution of “Mini-Projects”
- Use the Google Group for any questions! Help others!  
<https://groups.google.com/forum/#!forum/model-based-testing-2016>
- ...

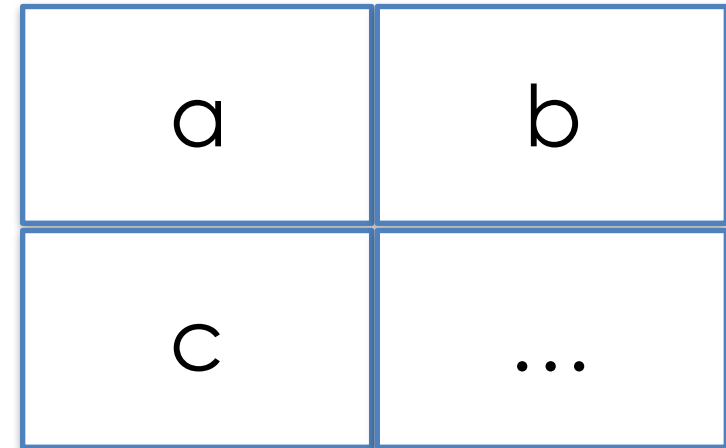
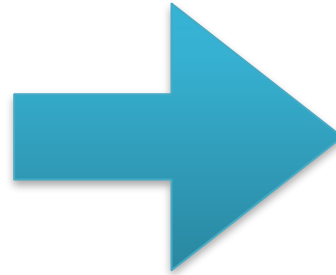
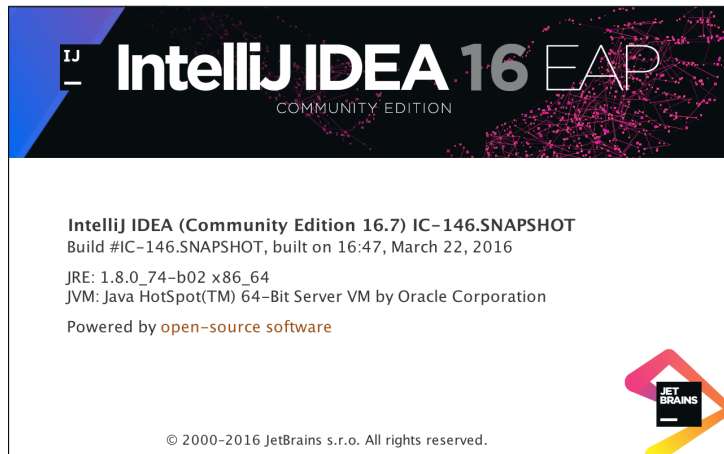
# Goals of the Tutorial

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- 1.Introduction/Description of Project
- 2.Installing and Building IntelliJ IDEA
- 3.Understanding Unit Testing with JUnit
- 4.Understanding Testing in IntelliJ IDEA

# 1. Introduction/Description of Project

- Java IDE (Integrated Development Environment)
- Split up in “mini projects” by functionalities



# 2. Installing and Building IntelliJ IDEA

1. Install IntelliJ IDEA Community Edition

<https://www.jetbrains.com/idea/>

2. git clone <https://github.com/JetBrains/intellij-community.git>

3. read the read.me and follow it (also check:

<http://www.jetbrains.org/pages/viewpage.action?pageId=983225>)

**HINT:** Seems like you have to alter the step regarding JDK 1.6: let both JDKs point to 1.8

# 3. Understanding Unit Testing with JUnit

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1. JUnit homepage [http: junit.org/](http://junit.org/)

2. JUnit getting started page:

<https://github.com/junit-team/junit/wiki/Getting-started>

# 4. Understanding Testing in IntelliJ IDEA

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- Live demo on finding functionality
- Source Repository Layout:  
<http://www.jetbrains.org/display/IJOS/Source+Repository+Layout>

# 4. Understanding Testing in IntelliJ IDEA

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- Live demo on existing Tests
- Fault Injection
- Example existing issues: <https://youtrack.jetbrains.com/issues/IDEA>