

20 CDIO D3

02324 Advanced Programming

Project title: CDIO D3

Group number: 20

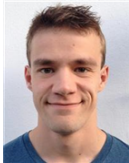
Deadline:

Version:

This report contains 5 pages, including this page.

Student nr., Surname, First name

S165248, Gadegaard, Theis



Signature

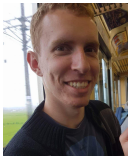
S165208, Højsgaard, Tobias André



S165209, Jønsson, Danny



S165227, Petersen, Gustav Hammershøi



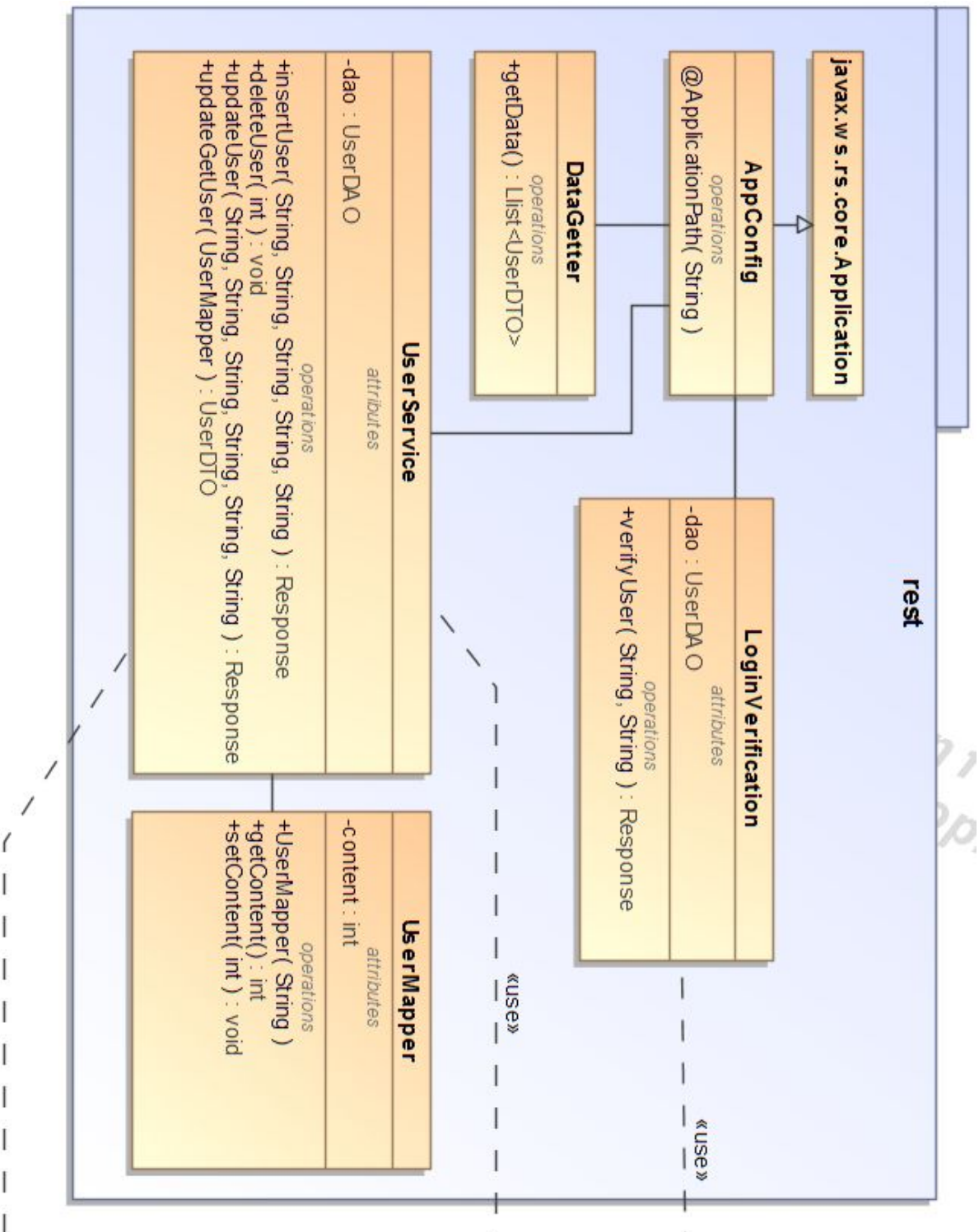
S145005, von Scholten, Frederik

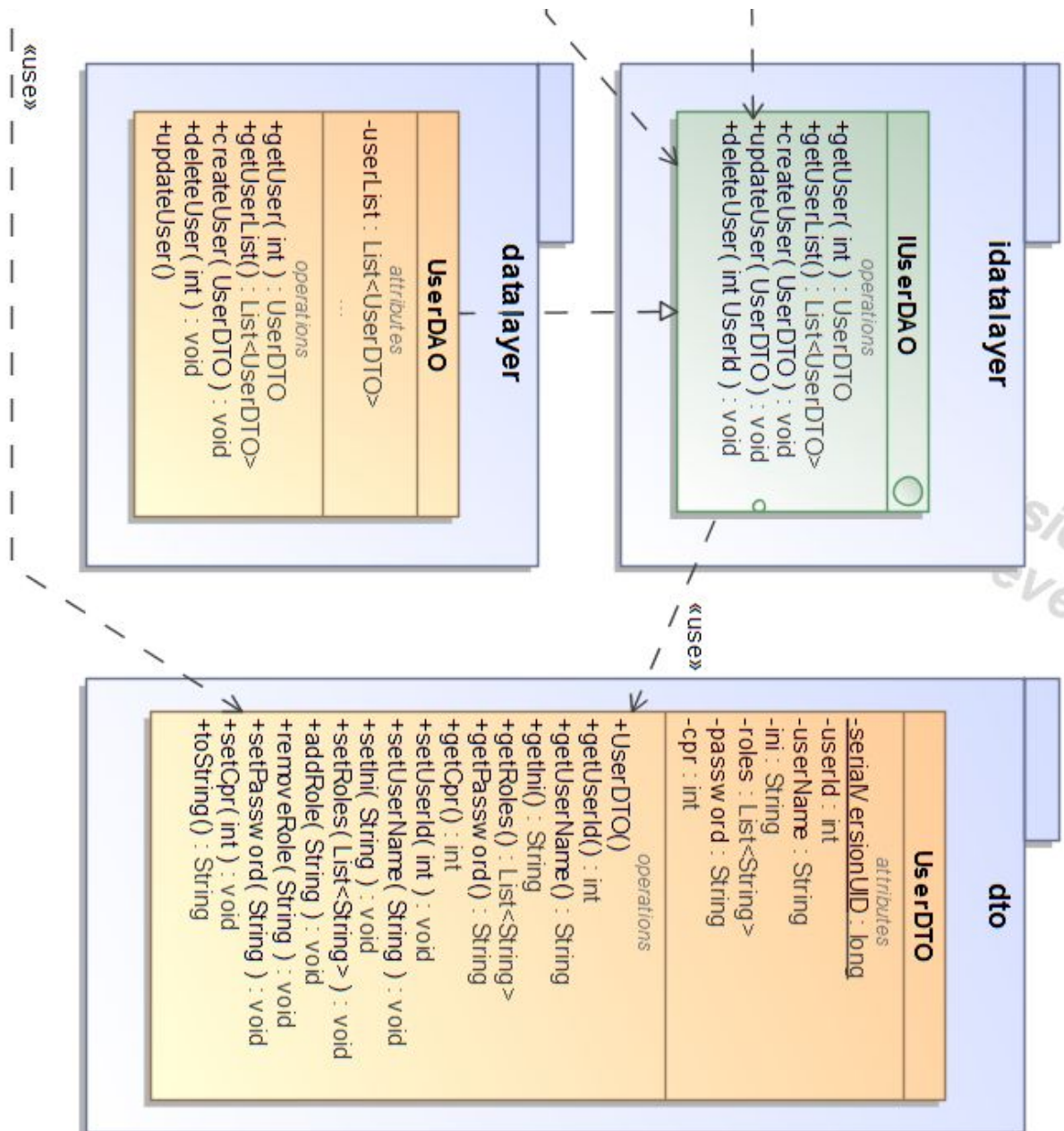


1 Work Distribution

Participant	Analysis	Design	Impl.	Test	Doc.	Other	Total Hours
Gadegaard, Theis	2,5		5		0,5		8
Højsgaard, Tobias André		1	12	2			15
Jønsson, Danny	1				4	1	6
Petersen, Gustav Hammarshøi	2	2	6			0,5	10,5
von Scholten, Frederik	1,5	0,5	1,5		4	1,5	9
Total	7	3,5	24,5	2	8,5	3	48,5

2 UML-diagrams





3 Installation Guide

Java Development Kit

In order to develop applications in Java, you will need Java Development Kit on your computer. Therefore you are to download Java Development Kit 8 for the desired operating system at

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> .

Now run the .exe and follow the installation guidelines on the screen.

Eclipse IDE

Eclipse IDE (Integrated Development Environment), is used to compile, run and test your software. It's mostly used for Java but can be used for other programming languages with the need of plug-ins. We use it for our development, as we are using Java as our main language.

To download Eclipse, simply go to <https://www.eclipse.org/downloads/> and download Eclipse Neon, which is the latest version available at this time.

Now run the .exe file and follow the guidelines.

Maven

REST with JAVA using Jersey

Download the Jersey distribution as zip file from <https://jersey.java.net/download.html> (the zip contains the Jersey implementation JAR and its core dependencies). Copy all JARs from your download into the project.

Apache Tomcat Installation

If you have installed the Eclipse IDE all available Apache Tomcat versions may already be installed. Please check before proceeding.

Download Apache Tomcat 8 from <http://tomcat.apache.org/download-80.cgi> (we are using Apache Tomcat version 8.5). Download the windows 64-core file. Unpack the file to a suitable place where you can find it easily (ex. c:/tomcat) - no further installation is needed you only need the file.

NOTE: Download the installation file corresponding the operation system you are running if you are running another OS. You can try installing Tomcat 9 but version 8.5 is advised as we know it is a working version.

Now you have to add the server-path in eclipse. Select the server-tab and choose Windows → Show View → Servers.

Add the server by using the link and right-click the the server-windows → New → server and

Now localise the Tomcat folder choose Tomcat v.8.5 Server and click finish.

Congratulation! development-environment is now ready.