



Software to Install

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Authors:

Giulio A. Abbo 10538950

Gianmarco Accordi 10587213

Massimiliano Bonetti 10560496

Professor:

Elisabetta Di Nitto

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# For the Client

To compile the source code of the client we have used Android Studio 3.5.3:

<https://developer.android.com/studio>

## To install Flutter on Mac

download the Flutter SDK and extract it in a desired location:

<https://storage.googleapis.com/flutter_infra/releases/stable/macos/flutter_macos_v1.12.13+hotfix.5-stable.zip>

add the flutter tool to your path:

export PATH="$PATH:`pwd`/flutter/bin"

## To run the client on iOS

You need to install Xcode (we have used the vesion 11.3 for iOS 13.2.3) (Xcode is available only for Mac):

from the App Store of the Mac or from <https://developer.apple.com/download/more/?=xcode> (you need to register as a Developer, there is no cost associated) and select Xcode 11.3

Then you should install also CocoaPods by digit in the Terminal:

sudo gem install cocoapods

## Finally

Run the following command to see if there are any dependencies you need to install to complete the setup:

flutter doctor

# For the Application Server and the Web Server

To compile the source code of the application server and the web server, we have used IntelliJ IDEA 2019.3 (Ultimate Edition):

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

Important plugins for IntelliJ:

* JavaEE: RESTful Web Services(JAX-RS)
* JavaEE: EJB, JPA, Servlets
* GlassFish
* Database Tools and SQL

Download the JDK of Java 8 and add it to your path:

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

Download GlassFish 4.0 and put it in a desired location:

<https://javaee.github.io/glassfish/download>

Download the Connector/J 8.0.18:

<https://dev.mysql.com/downloads/connector/j/>

and put it inside GlassFish inside the directory /glassfish4/glassfish/domains/domain1/lib

# For the Database

For the DBMS we have used MySQL Community Server (our version is 8.0.17, but also 8.0.18 should work):

<https://dev.mysql.com/downloads/mysql/>

If you would like to communicate directly to the DBMS in a fast and intuitively way you can use MySQL Workbench (our version is 8.0.17, but also 8.0.18 should work):

<https://dev.mysql.com/downloads/workbench/>