



All courses are available online

<https://dev-mind.fr/formations.html>

Yousouf & I will be there every Wednesday to answer your questions on the online lessons and help you to on practicals

Wed 15 September

8h00 Presentation
8h30 Install environment
9h00 Git
10h30 Gradle in practice

Wed 22 September

8h00 Spring introduction
9h00 Dependency injection
11h00 Spring database / JPA

Wed 29 September

8h00 Spring database & JPA

Wed 06 October

8h00 Spring rest services
10h30 Clever cloud

Wed 20 October

All the day Android
Kotlin
My first Android App
Update Android UI app
Add a new activity
How use a menu
An activity to list elements
Call remote API

Please note the program on this calendar is an indication. You can go faster or slower. The goal is to follow your pace and the face-to-face sessions are there to answer your questions.

Evaluation :

You need to create a project for November 16th and email me with your Github or Gitlab repository. I will review your code and test your application to evaluate you. Your code must respect the technical recommendations (REST Spring application, database, an Android application). The code must respect the standards mentioned in the courses.



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One project

Subject given during sessions (an application which will be able to manage the building windows)

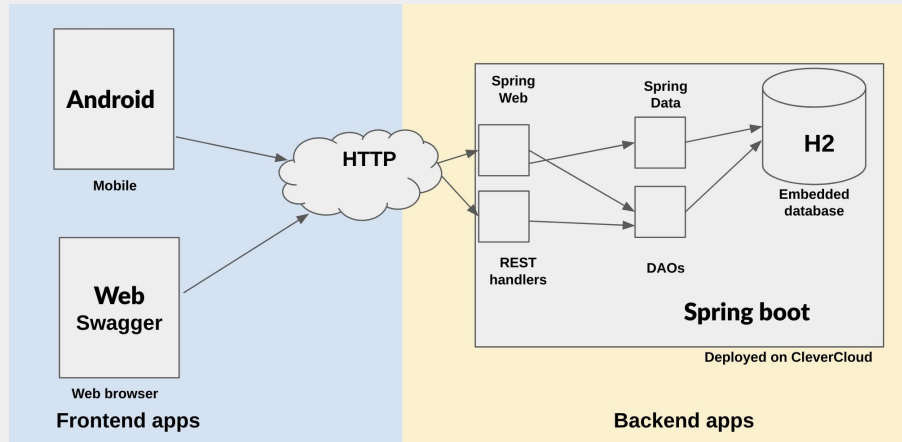
- the building has an outside temperature, and rooms
- each room has zero or more heaters, has zero or more windows, a name, a floor, a current temperature, a target temperature.
- each heater has a name, an on or off status, possibly a power.
- each window has a name, an a status open or closed

Or your own project which respects the given software architecture

Evaluation

Little reminder for when you are going to develop your final project. The code you write will be read by other people (me for your project). On every IT project, we very often have to modify code written by others. This is why it is important to use common rules. You should read this document <https://www.oracle.com/technetwork/java/codeconventions-150003.pdf> IntelliJ can help you. You can use

- Ctrl + A to select all the code of a class
- you can format it Ctrl + Alt + L
- Ctrl + Alt + O delete all unused imports



You should have one Github repository for the Spring app and one for the Android app. For evaluation I will read your sources on these repositories. Your app should be managed Buildings, Rooms, Windows and heaters.