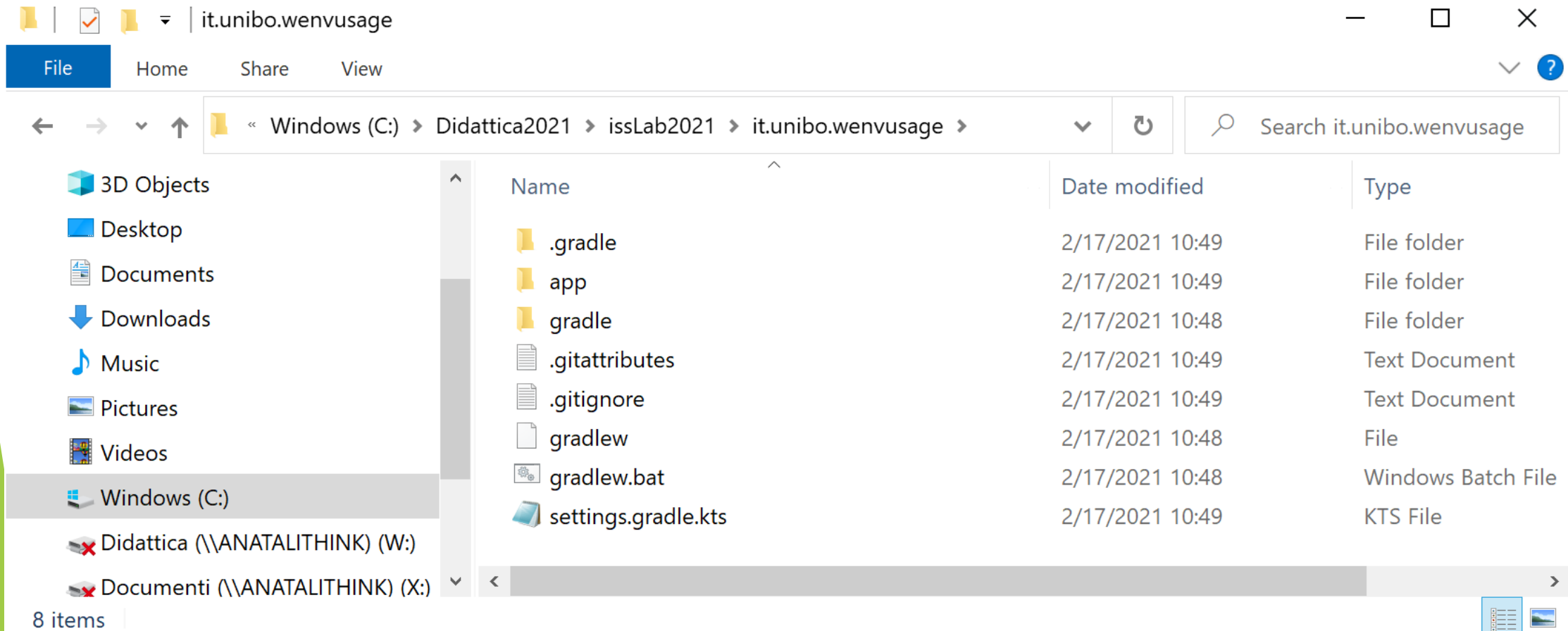


Moving the virtual robot

```
C:\...\issLab2021>mkdir it.unibo.wenvusage
```

```
C:\...\issLab2021>gradle init (select 2, 3, 1, 2, 1, demo, demo)
```



The project it.unibo.wenvusage

```
6  * User Manual available at https://docs.gradle.org/6.7.1/userguide/building\_java\_projects.html ✓ 2 ^ v
7  */
8  plugins { this: PluginDependenciesSpecScope
9      // Apply the application plugin to add support for building a CLI application in Java.
10     application
11 }
12 repositories { this: RepositoryHandler
13     // Use JCenter for resolving dependencies.
14     jcenter()
15 }
16 dependencies { this: DependencyHandlerScope
17     // Use JUnit test framework.
18     testImplementation( dependencyNotation: "junit:junit:4.13")
19
20     // This dependency is used by the application.
21     implementation( dependencyNotation: "com.google.guava:guava:29.0-jre")
22 }
23 application { this: JavaApplication
24     // Define the main class for the application.
25     mainClass.set("it.unibo.wenvusage.App")
26 }
27
```

Build: Sync ×

7:4 CRLF UTF-8 4 spaces main

gradlew build
gradlew run

> Task :app:run
Hello World!

BUILD SUCCESSFUL in 2s
2 actionable tasks: 1 executed, 1 up-to-date

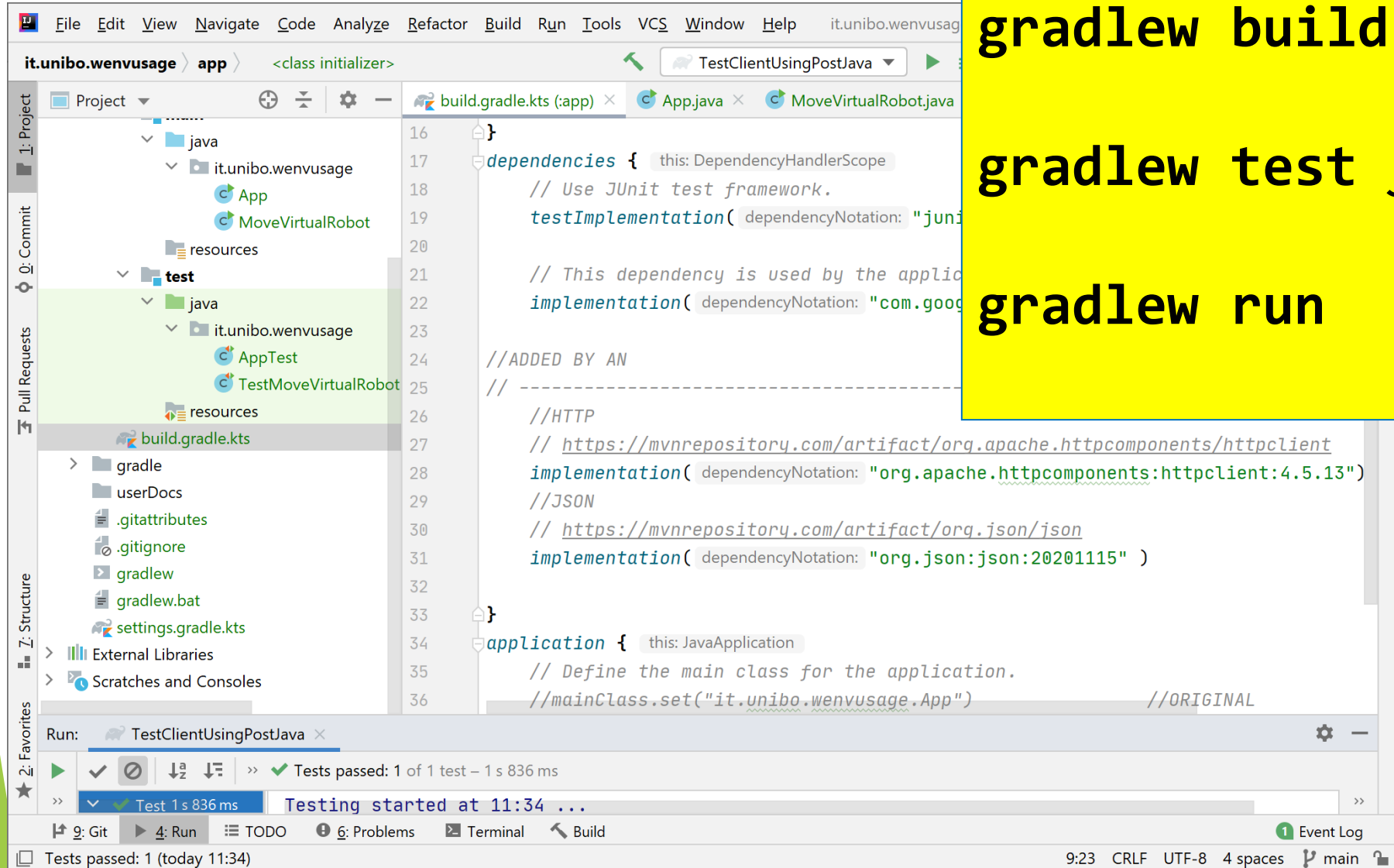
Define our app and modify build

```
application {  
    // Define the main class for the application.  
    //mainClass.set("it.unibo.wenvusage.App")    //ORIGINAL  
    mainClass.set("it.unibo.wenvusage.MoveVirtualRobot")  
}
```

Create the **userDocs** folder

Formally define the Test (in JUnit)

The project it.unibo.wenvusage



```
16 }
17 dependencies { this: DependencyHandlerScope
18     // Use JUnit test framework.
19     testImplementation( dependencyNotation: "junit4:junit4:4.12" )
20
21     // This dependency is used by the application.
22     implementation( dependencyNotation: "com.google.guava:guava:30.1.1-jre" )
23
24     //ADDED BY AN
25     // -----
26     //HTTP
27     // https://mvnrepository.com/artifact/org.apache.httpcomponents/httpclient
28     implementation( dependencyNotation: "org.apache.httpcomponents:httpclient:4.5.13" )
29     //JSON
30     // https://mvnrepository.com/artifact/org.json/json
31     implementation( dependencyNotation: "org.json:json:20201115" )
32
33 }
34 application { this: JavaApplication
35     // Define the main class for the application.
36     //mainClass.set("it.unibo.wenvusage.App") //ORIGINAL
```

Run: TestClientUsingPostJava

Tests passed: 1 of 1 test – 1 s 836 ms

Testing started at 11:34 ...

9:23 CRLF UTF-8 4 spaces main

gradlew build -x test

gradlew test jacocoTestReport

gradlew run

