



**Jersey**

RESTful Web Services in Java.



# Φροντιστήριο Restful Web services

Τάκης Παναγόπουλος

Νικόλας Μπομπέτσης

# Ποιοι είμαστε

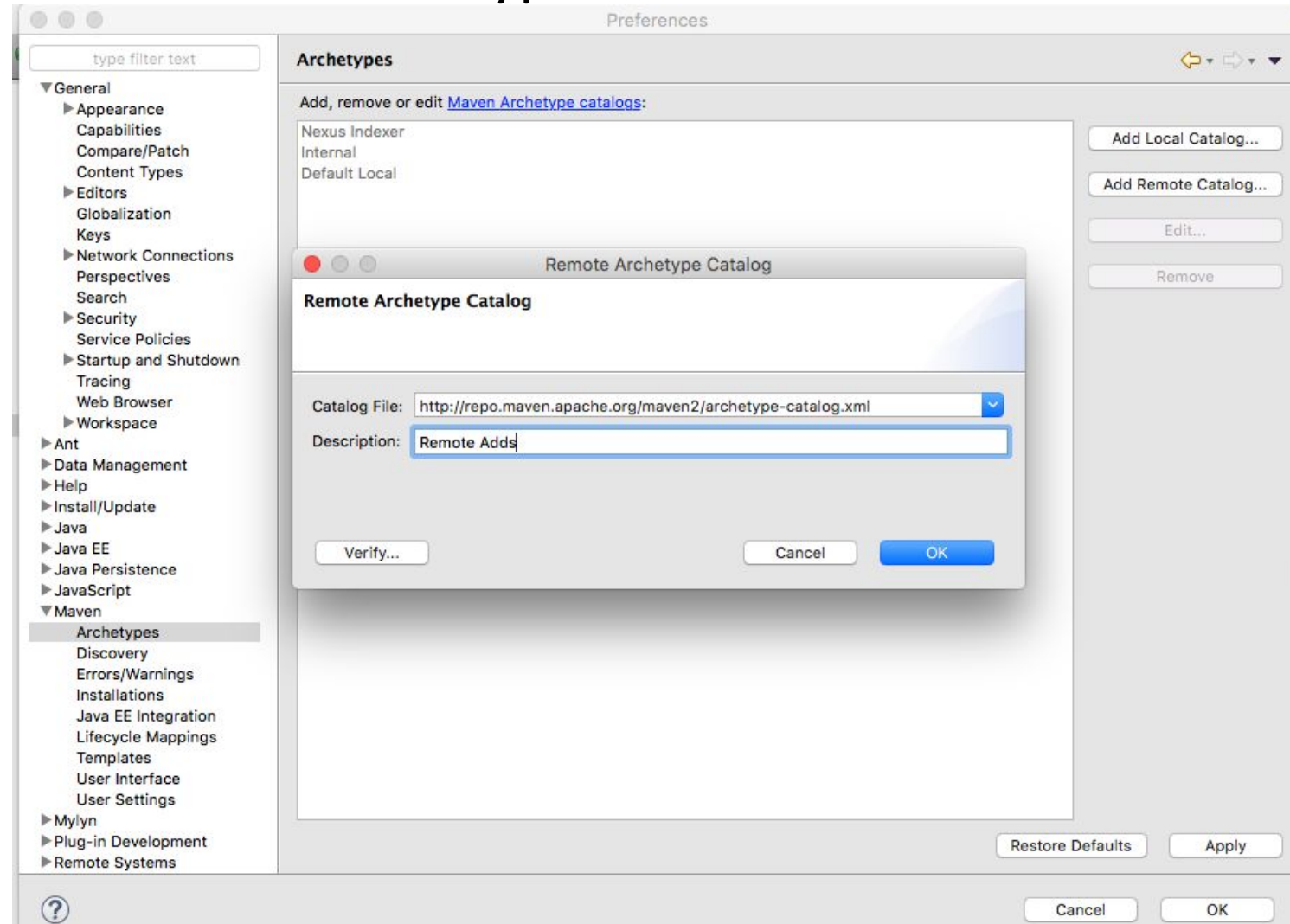
- Τάκης Παναγόπουλος
  - Research Associate at ScanLab
    - takisp [at] di [dot] uoa [dot] gr
    - <http://scan.di.uoa.gr/mr-takis-panagopoulos/>
- Νικόλας Μπομπέτσης
  - Research Associate at ScanLab
    - nbompetsis [at] di [dot] uoa [dot] gr
    - <http://scan.di.uoa.gr/mr-nikolas-bompetsis/>

# Περιεχόμενα

- Setup eclipse
- Server
- Client
- Run server
- Q/A

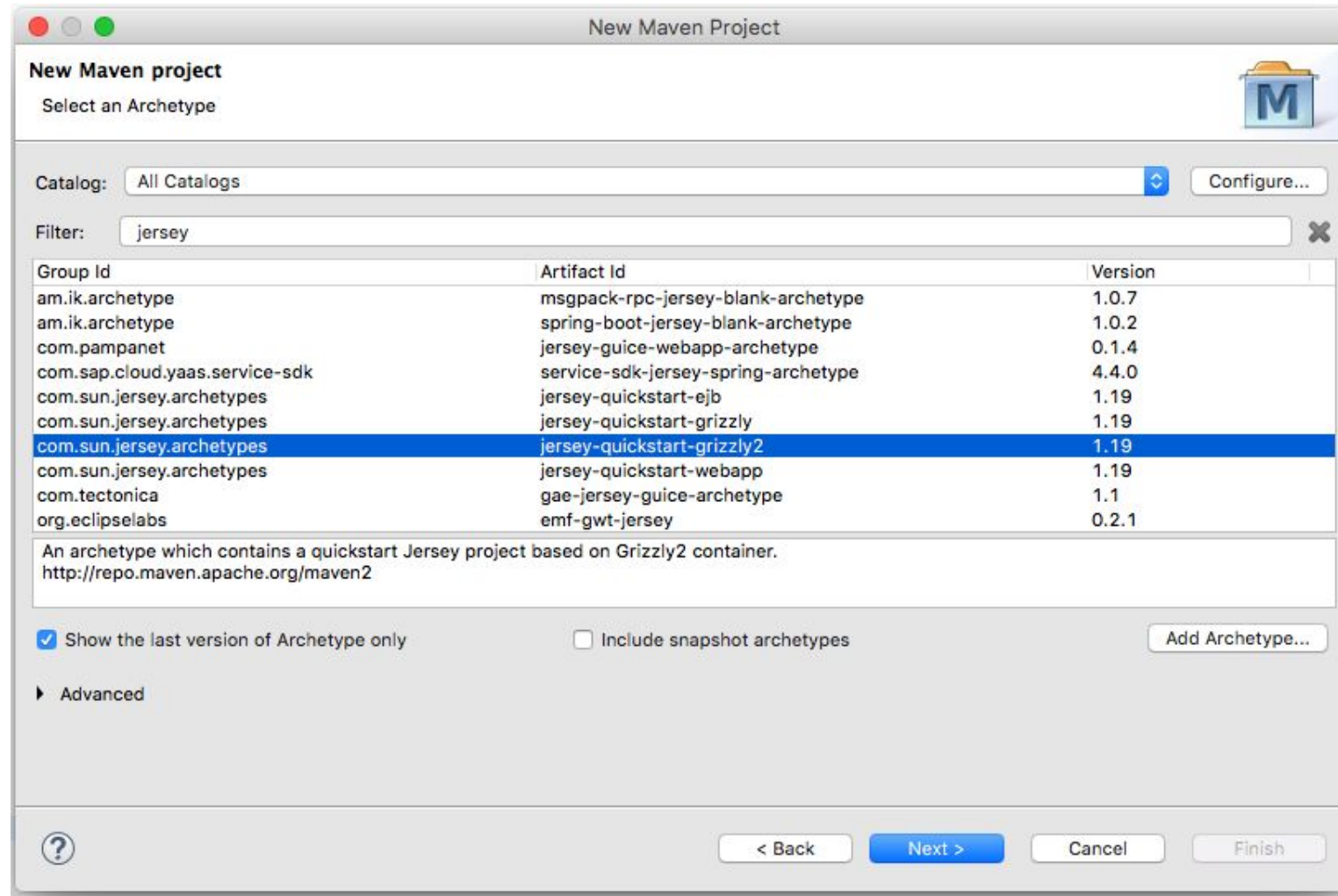
# Setup eclipse

- Eclipse IDE -> Preferences -> Maven -> Archetypes -> Add Remote catalog
- Catalog file:  
<http://repo.maven.apache.org/maven2/archetype-catalog.xml>
- Description:  
Maven repos



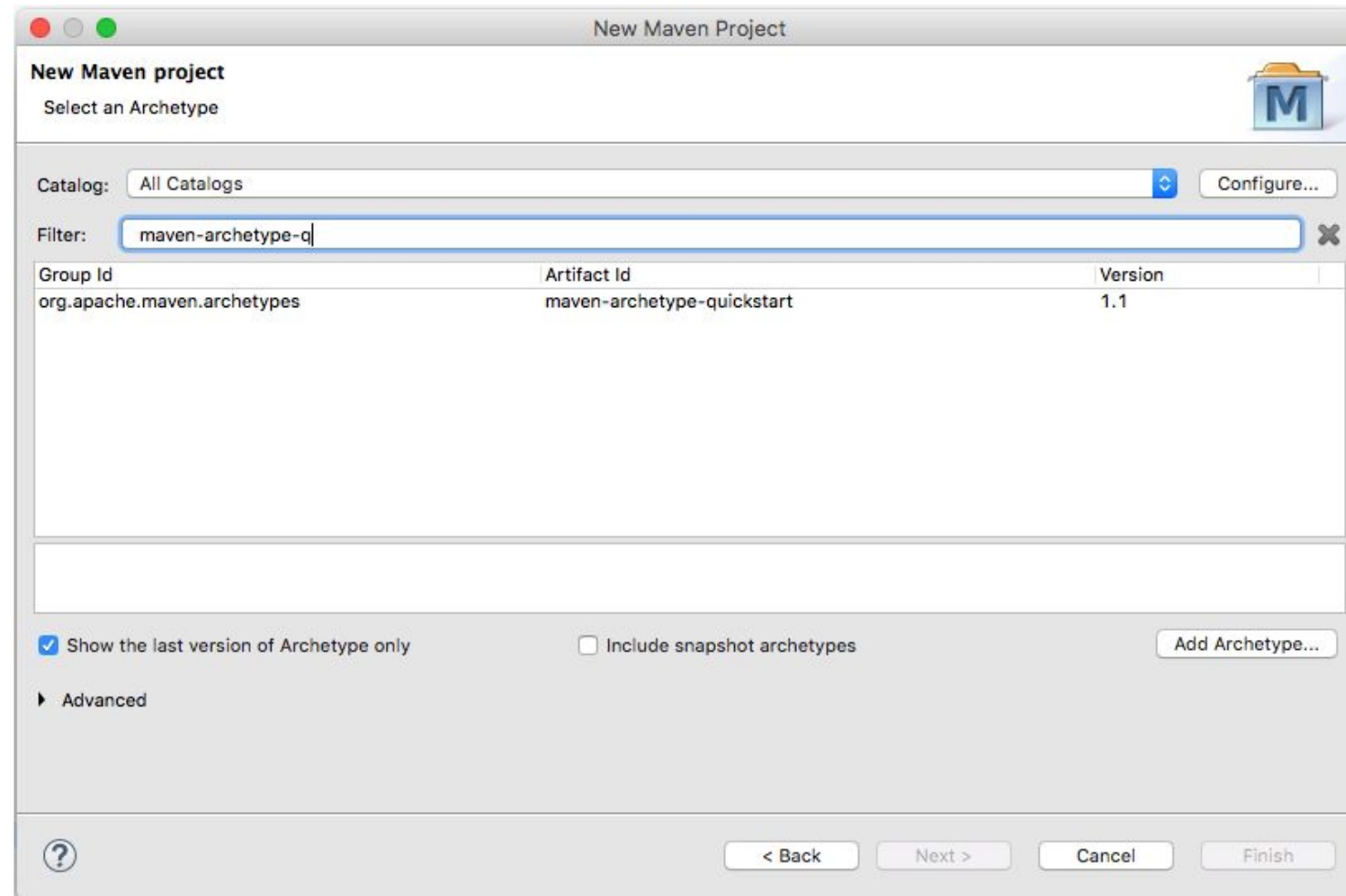
# Server

- New -> Other -> Maven Project -> Location -> Filter = jersey-quickstart-grizzly2



# Client

- New -> Other -> Maven Project -> Location -> Filter =maven-archetype-quickstart



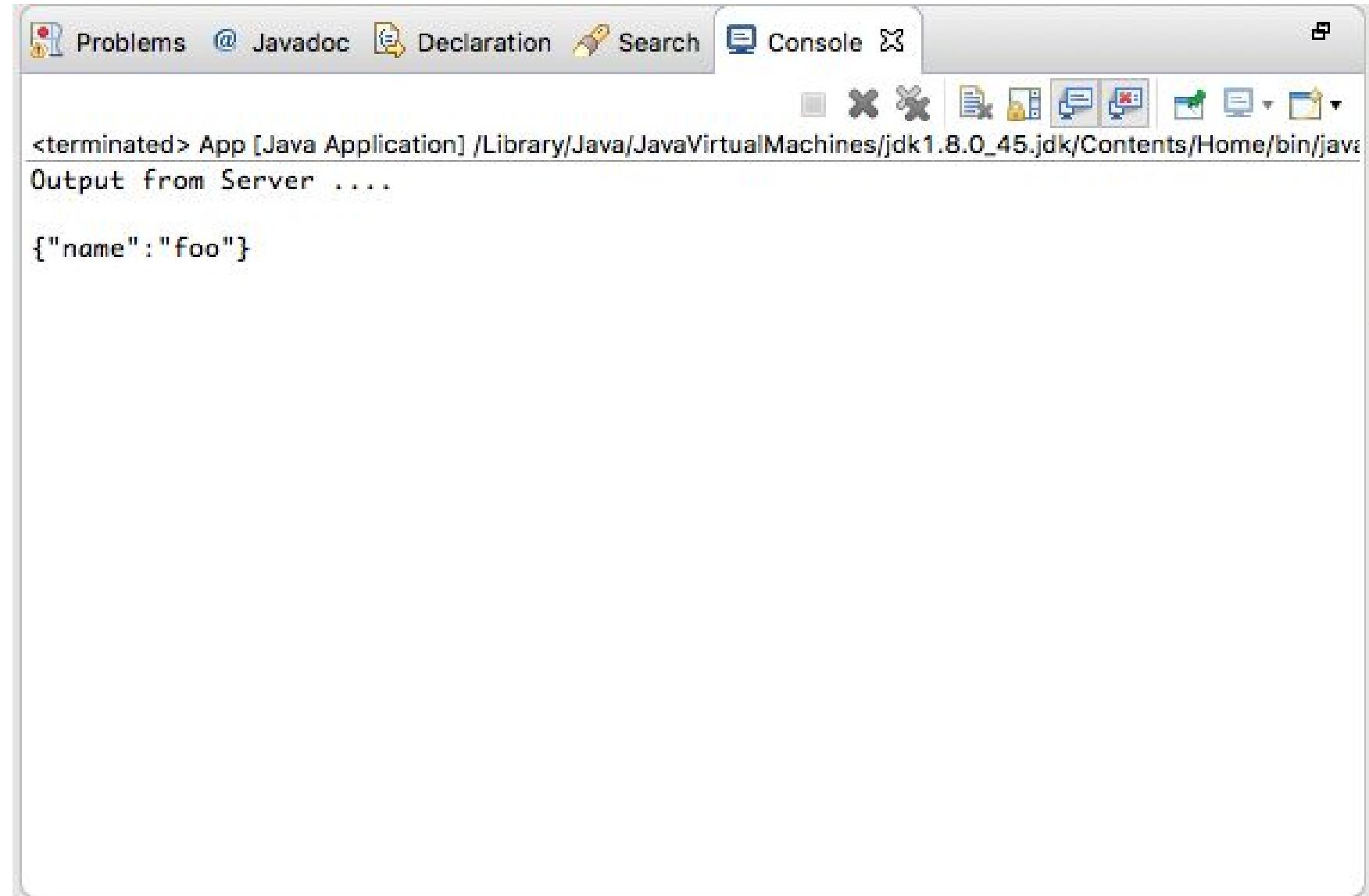
# Run server

- mvn clean install
- mvn exec:java

```
1. java
[INFO] Installing /Users/nikolas/Documents/workspace/jersey-server/target/jersey-server-0.0.1-SNAPSHOT.jar to /Users/nikolas/.m2/repository/gr/uaa/di/server/jersey-server/0.0.1-SNAPSHOT/jersey-server-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/nikolas/Documents/workspace/jersey-server/pom.xml to /Users/nikolas/.m2/repository/gr/uaa/di/server/jersey-server/0.0.1-SNAPSHOT/jersey-server-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.664 s
[INFO] Finished at: 2015-12-08T16:47:23+02:00
[INFO] Final Memory: 20M/308M
[INFO] -----
Nikolass-MBP:~nikolas in ~/Documents/workspace/jersey-server mvn exec:java
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building jersey-server 0.0.1-SNAPSHOT
[INFO] -----
[INFO]
[INFO] >>> exec-maven-plugin:1.2.1:java (default-cli) > validate @ jersey-server >>>
[INFO]
[INFO] <<< exec-maven-plugin:1.2.1:java (default-cli) < validate @ jersey-server <<<
[INFO]
[INFO] --- exec-maven-plugin:1.2.1:java (default-cli) @ jersey-server ---
Dec 08, 2015 4:48:02 PM org.glassfish.grizzly.http.server.NetworkListener start
INFO: Started listener bound to [localhost:8080]
Dec 08, 2015 4:48:02 PM org.glassfish.grizzly.http.server.HttpServer start
INFO: [HttpServer] Started.
Jersey app started with WADL available at http://localhost:8080/myapp/application.wadl
Hit enter to stop it...
```

# Run client

- mvn clean install
- Run java app



The screenshot shows an IDE console window with a toolbar at the top containing icons for Problems, Javadoc, Declaration, Search, and Console. Below the toolbar, the console output is displayed. The first line is a system message: `<terminated> App [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home/bin/java`. The second line is the text `Output from Server . . . .`. The third line is a JSON object: `{"name": "foo"}`.

```
<terminated> App [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home/bin/java
Output from Server . . . .

{"name": "foo"}
```



# Q/A

- Στο eclass θα βρείτε το σχετικό φάκελο με τα Jersey Web Services projects.
- Ερωτήσεις και απαντήσεις στο piazza

Ευχαριστούμε 😊