

FINAL LAB: MPP
[LOGIN-REGISTER-AUTHENTICATION]
[BACKEND DEPLOYMENT]
SILVER AND GOLD REQUIREMENTS

You can implement and present these tasks at the lab
by the end of the semester

SILVER CHALLENGE

Implement two new Roles for your application, apart from the regular user (the **User** can only perform READ operations on the entities managed by your app).

Manager: can ADD REMOVE and UPDATE the entities managed by your app

Admin: can ADD REMOVE and UPDATE both the entities and the information about the Users and Managers

Use Cypress ([Testing Frameworks for Javascript | Write, Run, Debug | Cypress](#)) to develop comprehensive end-to-end tests for your application. Think about all testing scenarios that might occur!

GOLD CHALLENGE

Implement HTTPS communication for your app.
Full (both frontend and backend) deployment using docker compose.