



ISEL
INSTITUTO SUPERIOR DE
ENGENHARIA DE LISBOA

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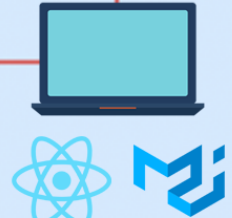


end users

~ Open source e-learning platform ~

IS E-Learning is an open source e-learning platform, dedicated to the definition and testing of algorithms.

- ~ user friendly interface
- ~ run code and tests cases in a multilanguage environment
- ~ user account to save progress
- ~ create & solve coding challenges
- ~ skill tests with questionnaires built from coding challenges
- ~ 3 modules: Web Client; Services; Execution Environments



Web Client
(React + Material UI)



PostgreSQL

Kotlin **Gradle** **spring**

Challenges



Questionnaires



Execute Code



User



Authentication

SERVICES



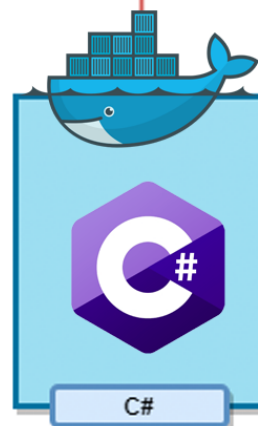
Java



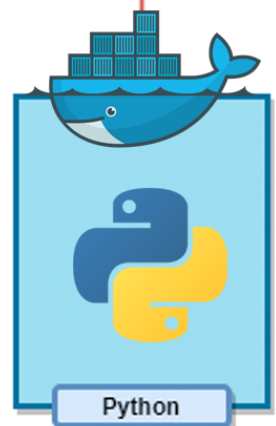
Kotlin



JavaScript



C#



Python

Container Orchestration

EXECUTION ENVIRONMENTS