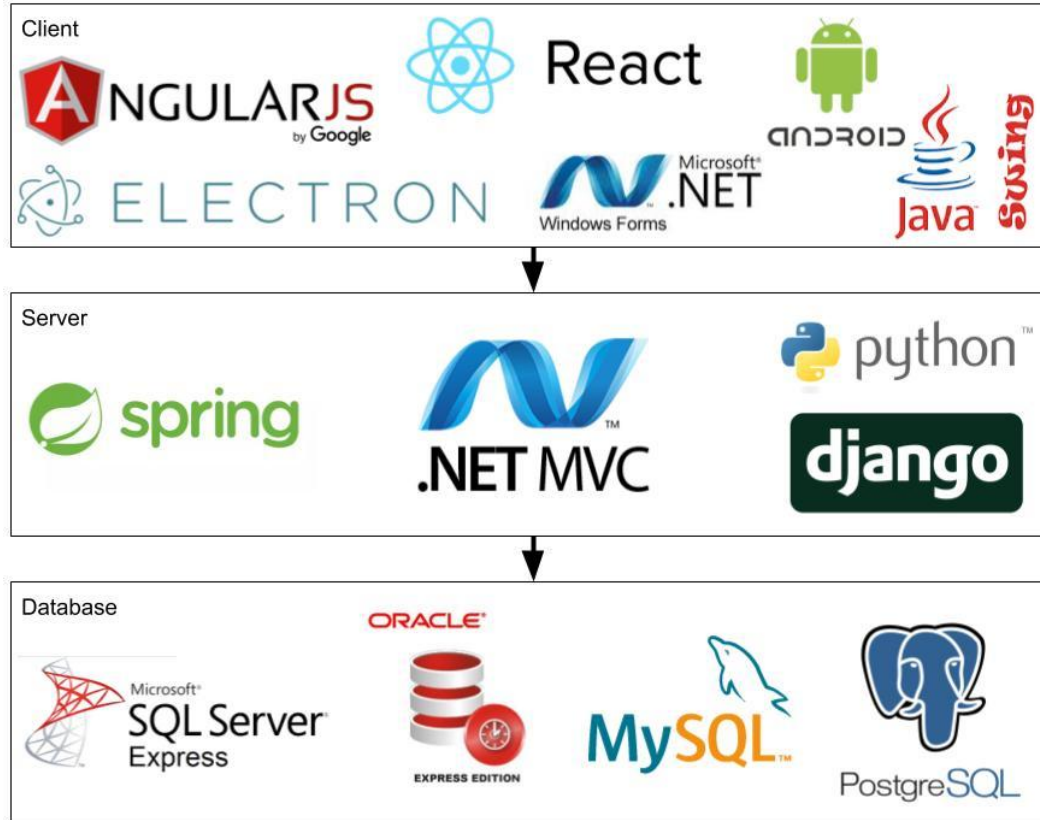


Project session 2

Proiectare Software 2023

Choosing the technology



Project Deliverable 1 - Deadline: 22.03.2023

- Vision
- Use Case Model
- Supplementary Specification
- Glossary – will be updated later on

Project Deliverable 1 - Vision

- Introduction - explain the purpose of this document
- Positioning
 - What problem does the system solve?
 - Position/need in the marketplace this system will fill
- Stakeholder and user descriptions
 - Stakeholders (Sponsors, Backoffice guys, Admins, Owner of the system)
 - Users (end users)
- Product Requirements
 - High level functional requirements

Project Deliverable 1 - Use Case Model

- Describe the three most important use cases
 - Description + UML diagram
 - <https://yuml.me/diagram/scruffy/usecase/draw>

Project Deliverable 1 - Supplementary Specification

- Non-functional requirements
 - Availability
 - Performance
 - Response time (Certain page must load in < 500ms)
 - Can work fine under high load (100 requests/second)
 - Security
 - Authentication and Authorization
 - Https only
 - Store password hashes
 - Prevent SQL injection
 - Keep sensitive information encrypted
 - Testability
 - Easy to automate
 - Unit tests
 - Logging
 - Usability
 - How easy it is for certain users to do certain things
 - Usually a trade-off with other requirements
- Design constraints (imagination)

**Non-functionals
(Quality Attributes)
drive architecture
decisions**

Project Deliverable 1 - Glossary

- Specific terms from documentation that have to be defined.

Project Deliverable 1 - Deadline: 22.03.2023

- Diagram Tools
 - <https://draw.io>
 - <https://yuml.me/>