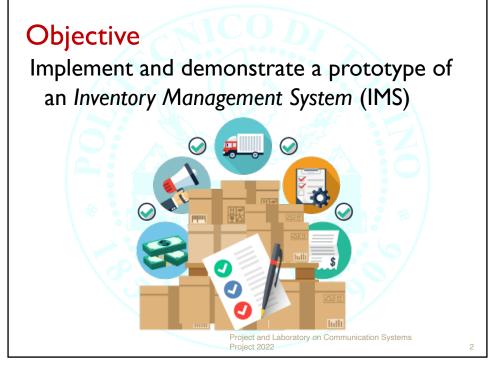


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Project 2022

Requirements

Keep track of items in a generic inventory

- Description
- Location
- Add/Remove
- Borrow/Return
- Sell/Buy

Project and Laboratory on Communication Systems Project 2022

3

Requirements

The system must be designed to be adaptable to different scenarios:

- Library (e.g., school library)
- Laboratory (e.g., LED)
- Small shops
- Company (e.g., DET)
-

Project and Laboratory on Communication Systems Project 2022

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Project 2022 2

Requirements

The system's User Interfaces (UI's) will be:

- Web
- Dedicated device (totem)
- Smartphone

Project and Laboratory on Communication Systems
Project 2022

5

Web UI

Three different users:

- Administrator
- Operator
- Customer

Authentication thru:

- Username/password (mandatory)
- Social profile (Optional)
- Certificate (to get 30L ...)

Project and Laboratory on Communication Systems Project 2022

System Access rights

3

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Project 2022

Totem UI

Two different users:

- Operator
- Customer

Authentication thru:

- Username/password (mandatory)
- RFID (mandatory)
- Smartphone (again, to get 30L ...)

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Smartphone UI

Two different users:

- Operator
- Customer

First time authentication thru:

- Username/password (mandatory)
- RFID (mandatory)

Thereafter use smartphone authentication:

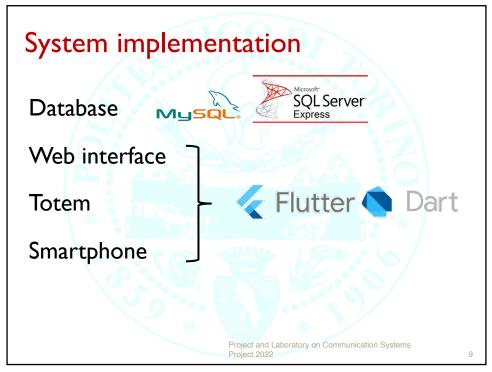
- PIN
- Biometrical data (fingerprint, face scan, ...)

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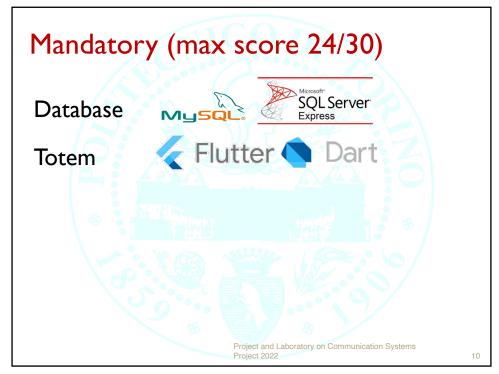
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Project 2022

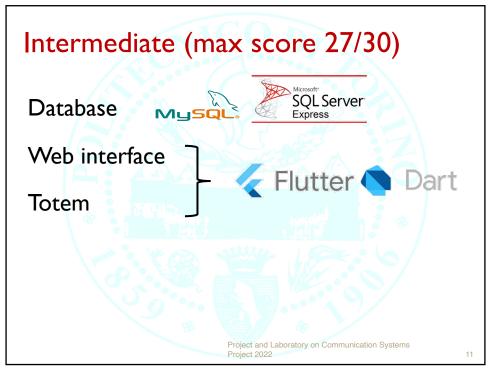


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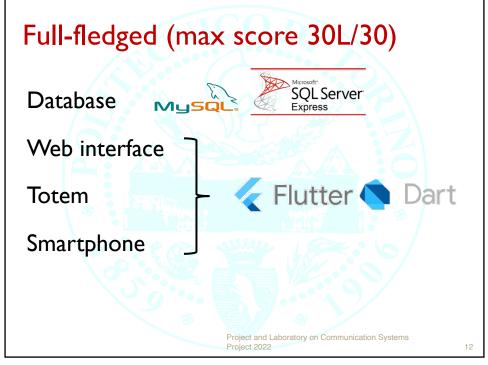


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Project 2022 5



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Project 2022 6