

Smart Home



Team 5 :

Farouk Ait Oujkal

Elie Kheirallah

Jamal Assou

Alain M. Nitunga

Léo Calvo Castaño

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Key Milestones

Key Achievements to date

Angular Web App

SignalR implementation in the Web App

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Ilya Prigogine

Key milestones

November 19th,
2024: Second
sprint, Live Demo

December 10d,
2024: Final sprint,
QA and
deployment

December 17th,
2024:
Final Delivery, User
Documentation

Key Achievements to date

Angular Web
App

Authentication
and Profile with
MongoDB

Real-time update
in the Web App
through SignalR

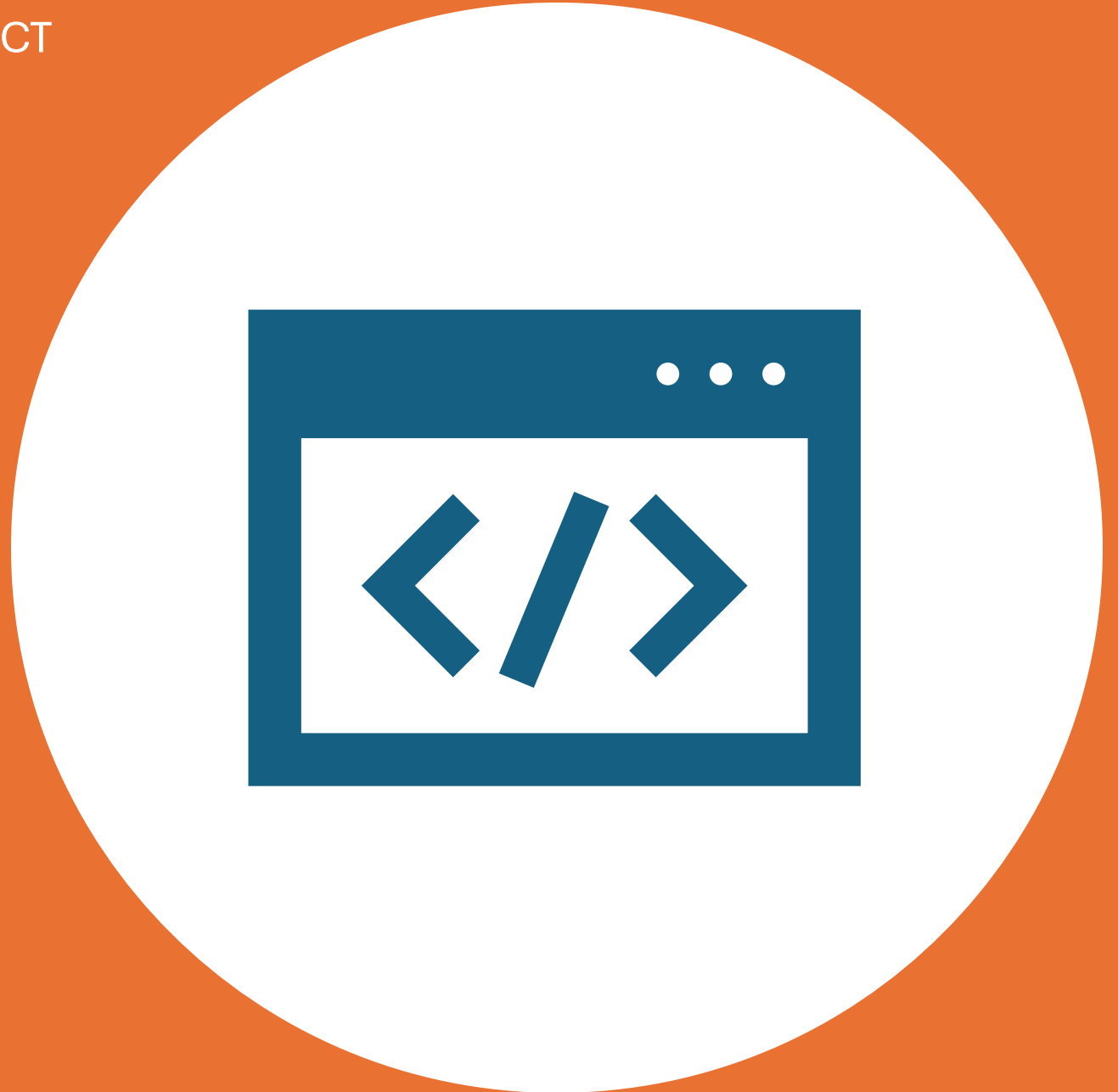
NEW PROJECT



Angular Web App

Back-end: C#

Front-end: TypeScript



Authentication with MongoDB

Login

Email:

Password:

[Login](#)

Don't have an account? [Register here](#)

Register

Email:

Password:

Confirm Password:

[Register](#)

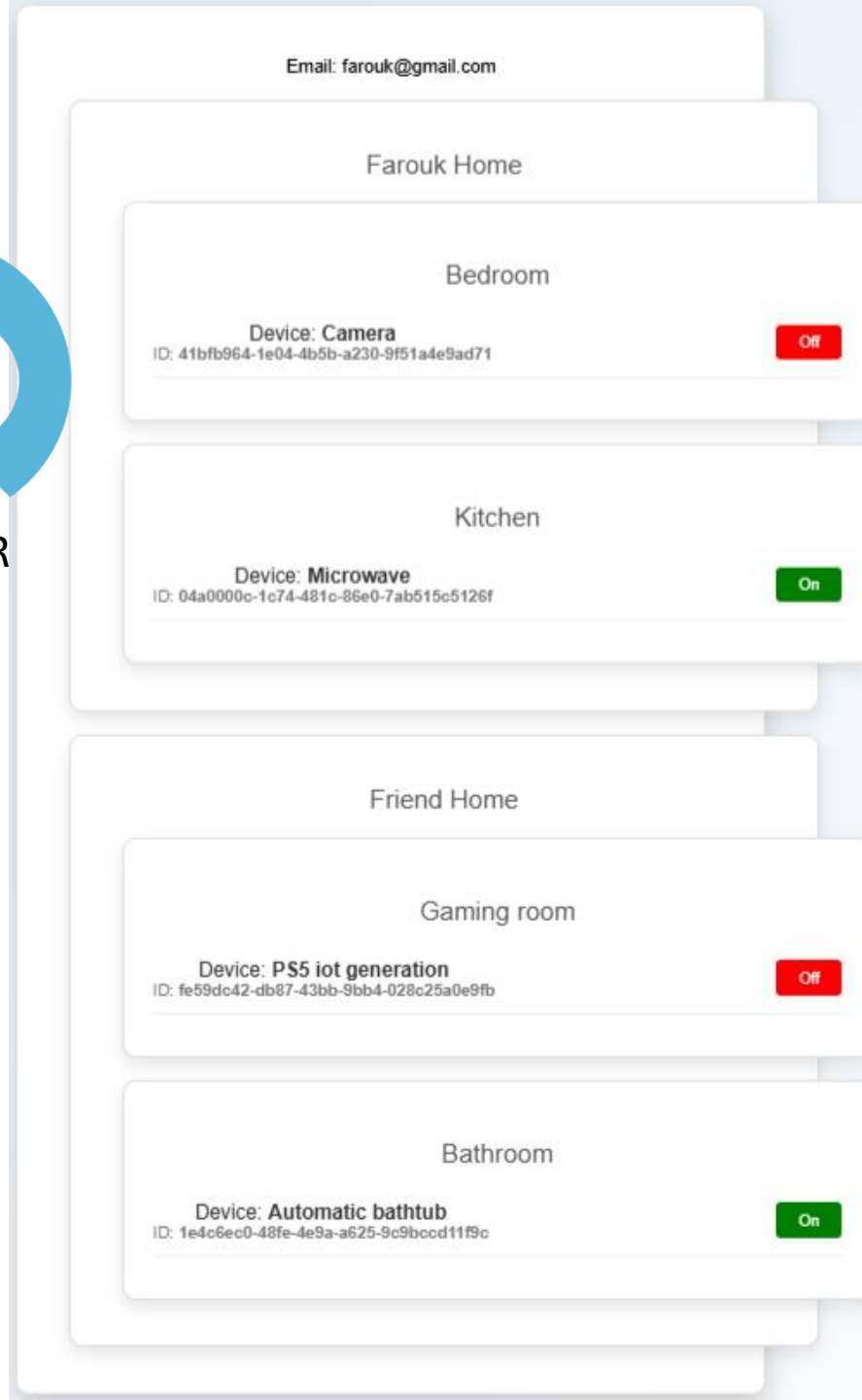
Already have an account? [Login here](#)



Landing Page



SignalR



Add data form

Add a Home

Home Name:

Home Address:

Add Home

Add a Room

Room Name:

Select Home:

Add Room

Add a Device

Device Name:

Select Home:

Select Room:

Device Initial State:
☐

Device is Off

Add Device



Live Demo



Limitations and risks



Security concerns

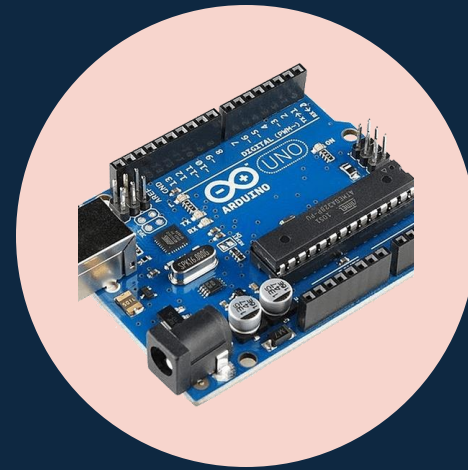


Some features may
exceed the deadline

Final steps



REAL-TIME WITH SIGNALR COMMUNICATION
BETWEEN THE AZURE FUNCTION AND THE
WEB APP SERVER



TESTING THE ARDUINO WITH IOT HUB



Questions

See you soon!

DECEMBER 17TH, 2024
FINAL DELIVERY

