

TQS PROJECT

CHUCHU



universidade
de aveiro

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CONCEPT



- Ticket Reservation
- Connections Management
- Route Calculation



Providing individuals the chance to explore the world around us in a **fun & easy** way.



OUR TEAM



Diogo Marto

DevOps Master



Miguel Pinto

Product Owner &
QA Engineer



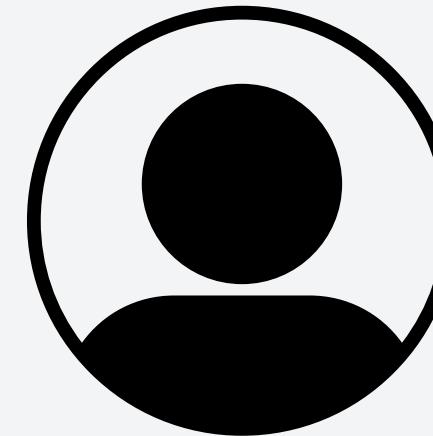
Tiago Pereira

Team Leader

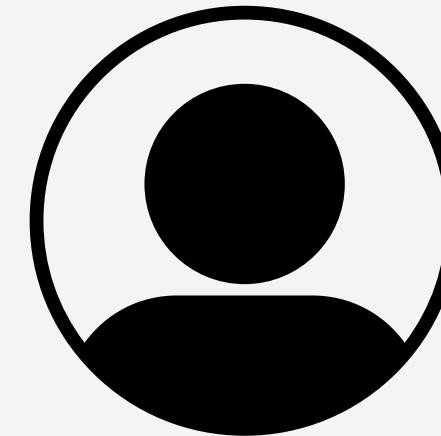
ACTORS



Admin



Regular Customer



Non-Regular Customer



EPICS

Authentication

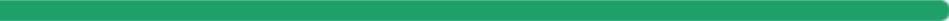
Travel

Digital Signage

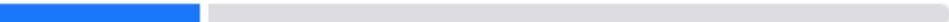
Manage Connections

Issues without epic

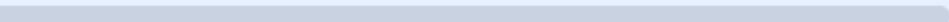
›  Authentication



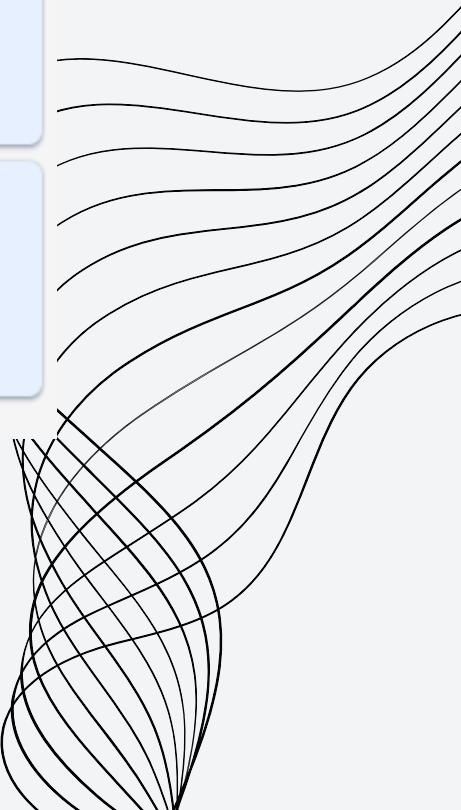
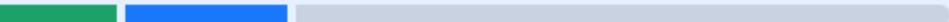
›  Travel



›  Digital Signage Feedback

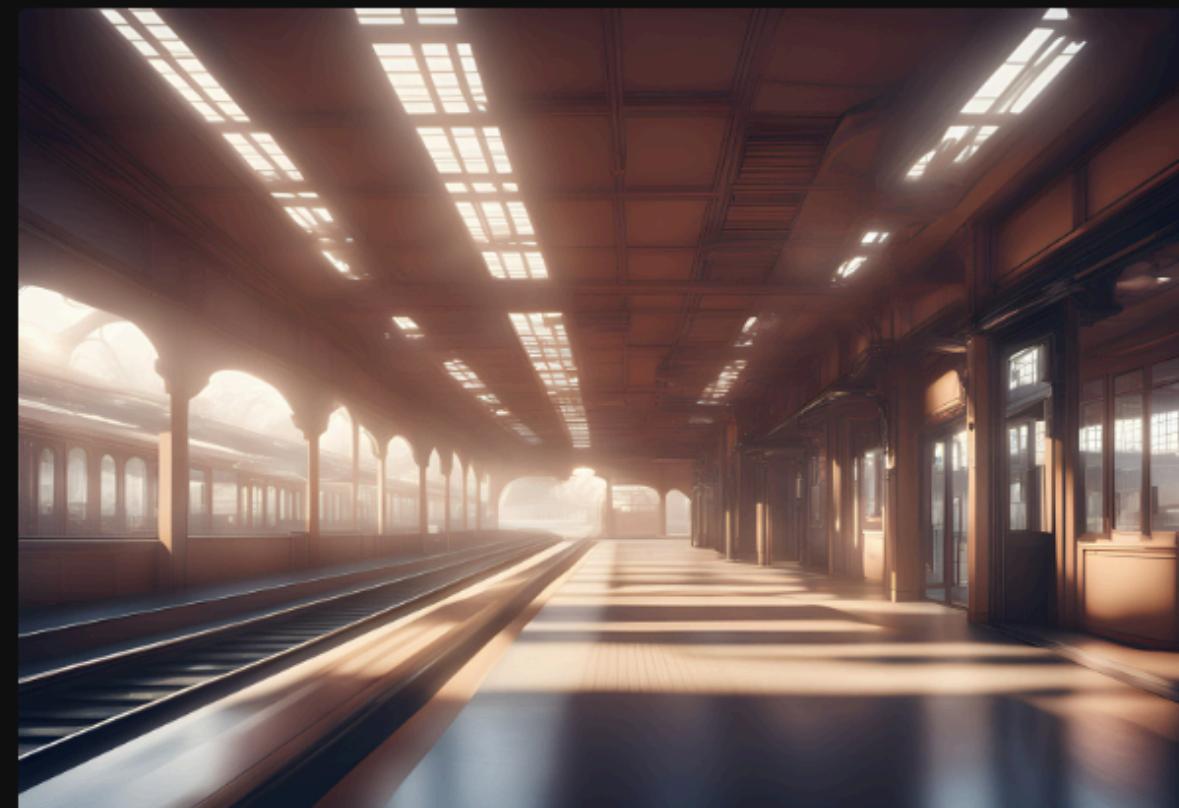


›  Manage Connections



IMPLEMENTED FEATURES

Admin Dashboard



Stations

Manage stations here



Trains

Manage trains here

Station Information

No station selected.

Add New Station

Enter station name

Number of lines

1

CLEAR

ADD

IMPLEMENTED FEATURES

Union Station Arrivals

Track 1

Train	Arrival Time
Express 101	10:15 AM
Star Rail 606	11:15 AM
Express 909	12:00 PM

Current Time-10:06:05 PM

Track 2

Train	Arrival Time
Local 202	10:20 AM
Express 707	11:30 AM

Track 3

Train	Arrival Time
Express 303	10:30 AM
Local 808	11:45 AM

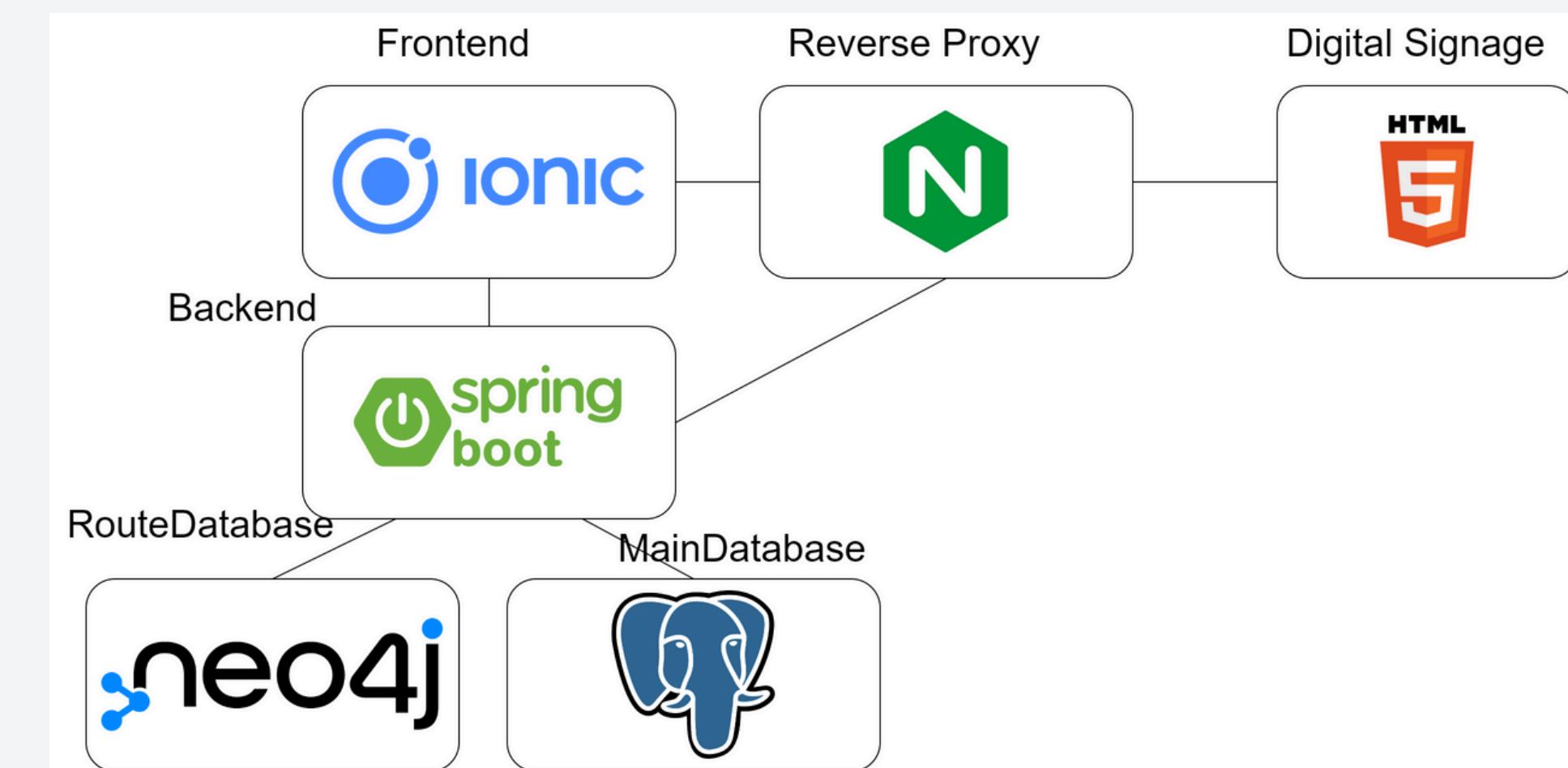
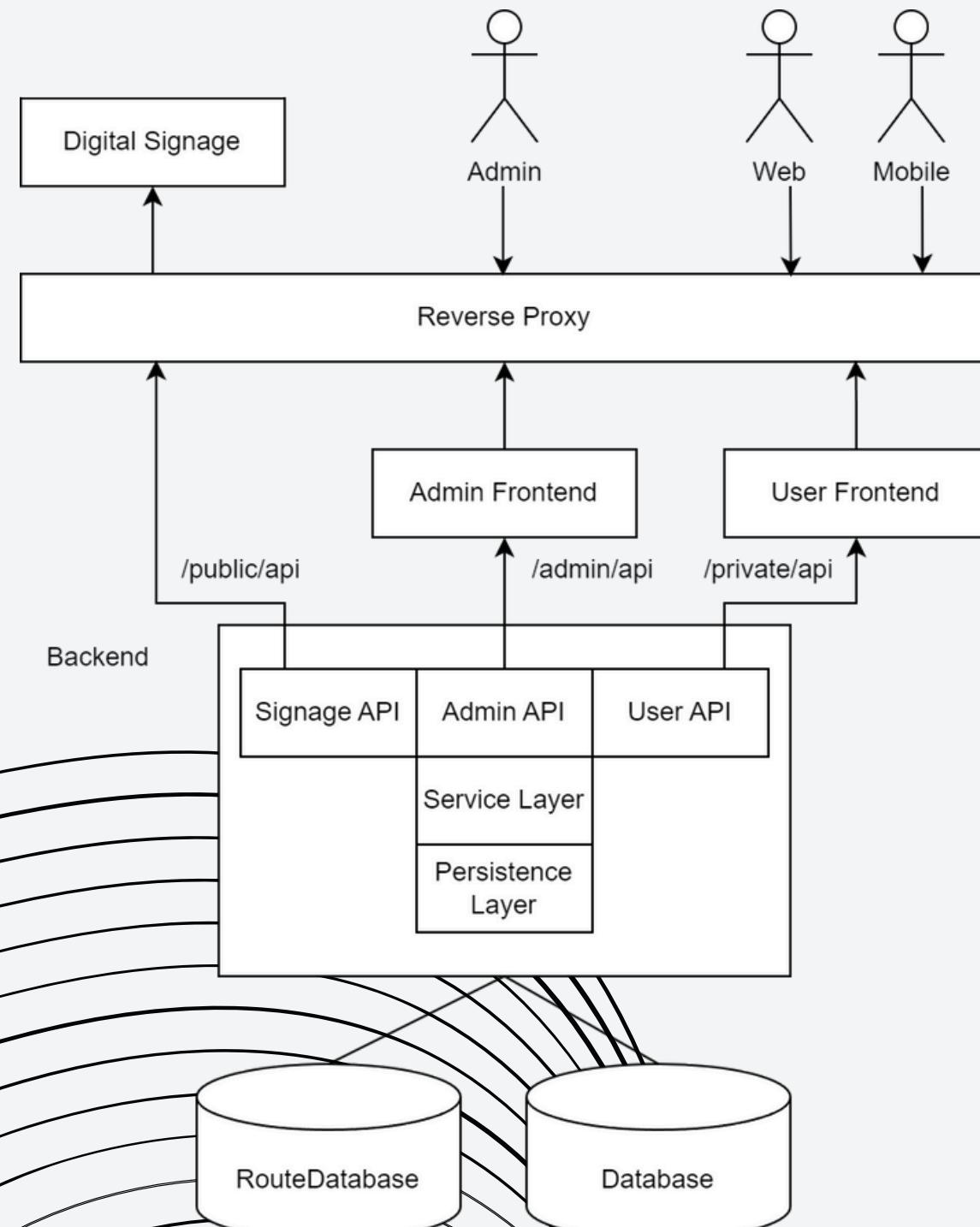
Track 4

Train	Arrival Time
Local 404	10:45 AM

Track 5

Train	Arrival Time
Express 505	11:00 AM
Local 1010	12:15 PM

ARCHITECTURE & DEPLOYMENT



STRATEGIES



Constant Iterative
Development & Delivery,
Adapting to changes.

AGILE



Stories
Branch Convention
Commits
Pull Requests
Reviews
...

METHODOLOGY



Automation of recursive
Task in order to ensure
optimal code quality from
the get-go.

QA & CI/CD

TEST METHODOLOGY

Unit

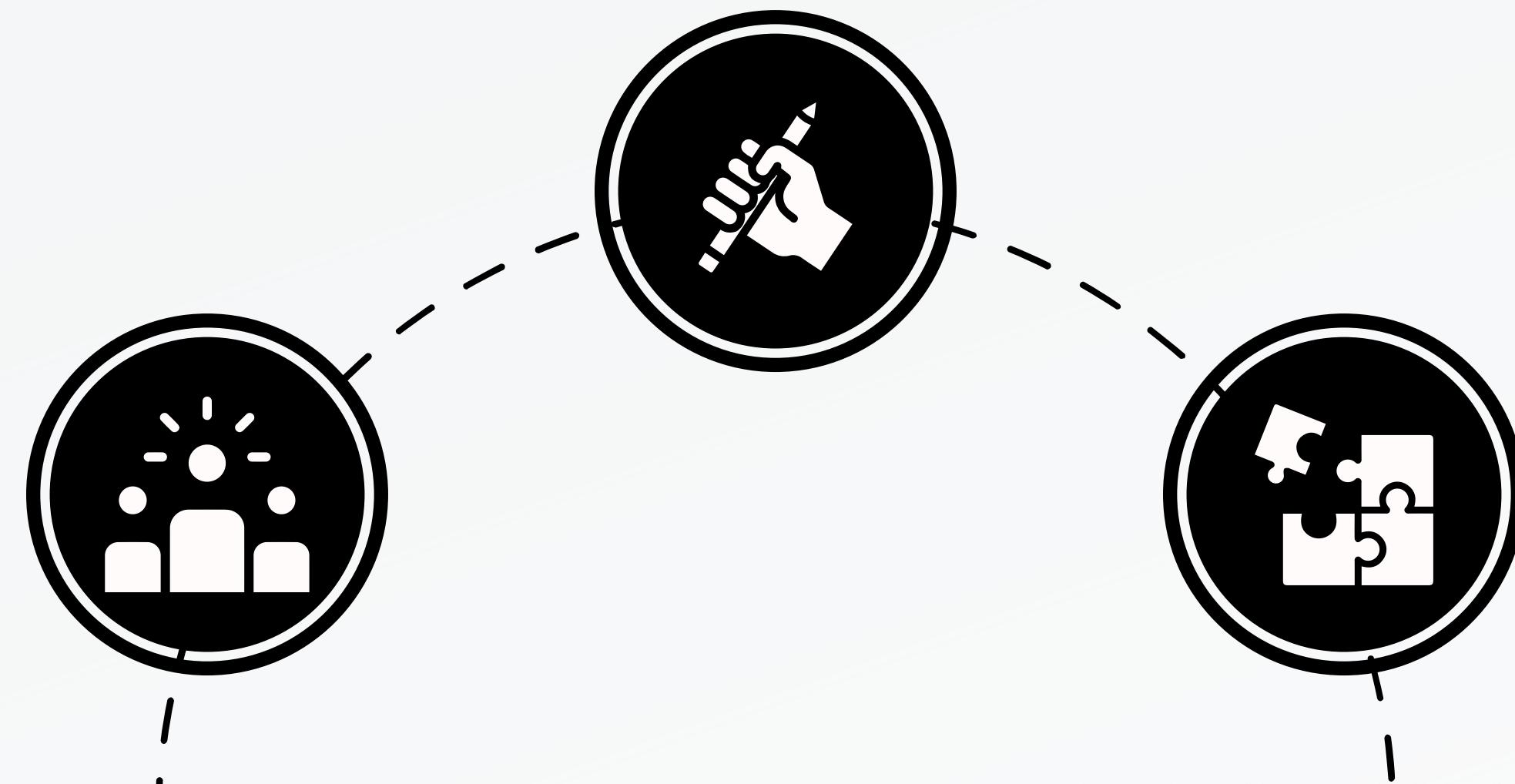
We decided to test our services mocking the repositories and repositories using real data

Integration

We decided to test our 3 APIs using MockMvc & RestAssured

Functional

We decided to test our web implementations using Cucumber & Selenium



PROJECT DEMO

Small demo showing functional parts of our application

FUTURE WORK

Our project has limitations that we would like to resolve by building

Ease of use to our customers by extending our system to a mobile app to be taken anywhere

MOBILE APP

Allowing train revisors to verify train tickets using our service to check ticket validity

REVISOR APP



**THANK'S FOR
WATCHING**

