

Overview



- 1. Introduction
- 2. What is Awra9i?
- 3. Scalability
- 4. Challenges

Introduction

Introduction



municipalities problem

every tunisian citizen has had trouble in obtaining certain service or documents from the municipality due to the lack of organization and conservation of documents. In fact, one famous phrase that you would always hear from the employees would be 'come back tomorrow', a phrase that has caused the frusturation of millions of tunisians throughout the year



Introduction



inspired by E-Haouia

E-Haouia is a service that allows citizens to access, in a secure and fast way, digital administrative services and various online procedures through their unique identifier linked directly to their mobile phone number. [1]





What is Awra9i?

TORS RESPONSE SORE

logo

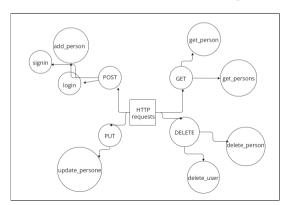


What is Awra9i?



Definition, Functions and Features

Awra9i is Tunisian Municipalities Document Management System DMS REST API, it enables its users to send the following requests:



What is Awra9i?



Technically

Backend: Python/Flask || Database:MongoDB || Testing:Insomnia || Security:JWT

Scalability

Scalability



Possible Enhancements

- -Create a front-end.
- -Make it accessible to all civilians.
- -Make the API interact with several databases (not only municipalities..).
- -Adding online social-services.

Challenges

Challenges



Problems that I faced and how I overcame them

► Token Generation

solution: JWT.encode

Password Hashing

Solution: generate-password-hash

► Token Requirement

Solution: Create a function token-required

Appendix: app.py and db.py



```
from flask import Flask
from flask_pymongo import PyMongo
from db import mongo
app = Flask( name )
app.config['SECRET KEY'] = 'thisissecret'
app.config["MONGO URI"] = "mongodb://localhost:27017/mvDatabase"
mongo.init app(app)
if name == " main ":
   app.run(debug=True)
from resources persons import blp as PersonsBlueprint
from resources users import blp as UserBlueprint
app.register blueprint(PersonsBlueprint)
app.register_blueprint(UserBlueprint)
```

```
from flask_pymongo import PyMongo
mongo = PyMongo()
```

References I





E-haouia.

https://lapresse.tn/142513/ digitalisation-de-ladministration-tunisienne-une-realite/. [Online; accessed 15-Jan-2023].