

# TunInvest

## IT325: Web Service

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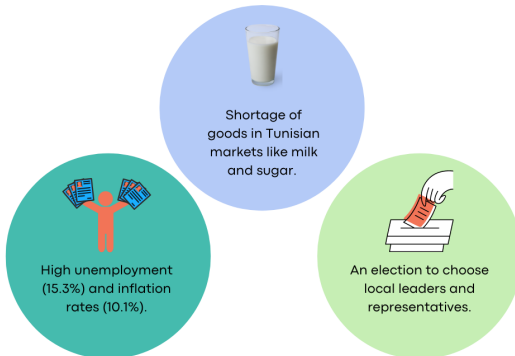
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## Inspiration

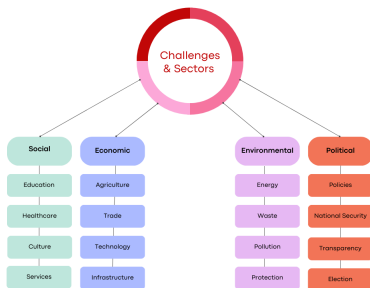
## Reasons why TunInvest API exists:



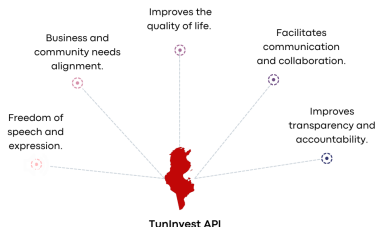
## 1: Inspirational Events

# Objectives

The main objective of TunInvest is to facilitate the development of targeted and effective solutions to the challenges facing Tunisian communities.



## 2: Challenges



## 3: Objectives

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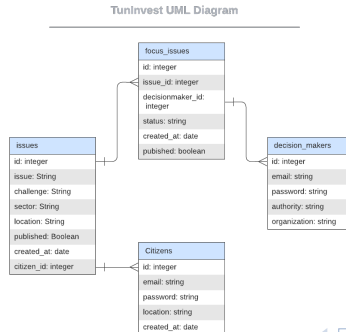
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# Architecture

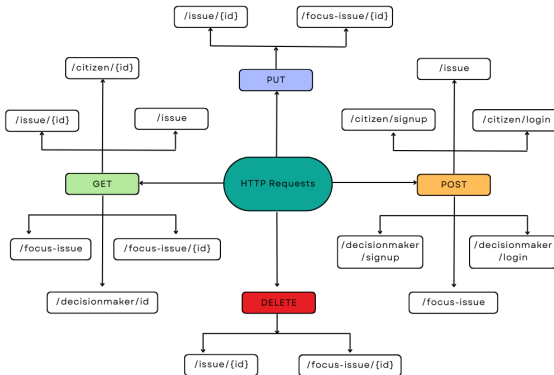
TunInvest is targeting:

- Tunisian citizens. It will allow them to post any issues, problems, and complaints within their local community.
- Stakeholders and investors. It will allow them to access accurate information about the troubles Tunisian communities face.



# Methods

TunInvest enables the following requests :



## 5: HTTP Methods



## Technology

## TunInvest Technology

## Backend

 FastAPI

## Database

SQLAlchemy



PostgreSQL

sqlalchemy/  
alembic

## Testing



## Security



BCrypt

## Deployment

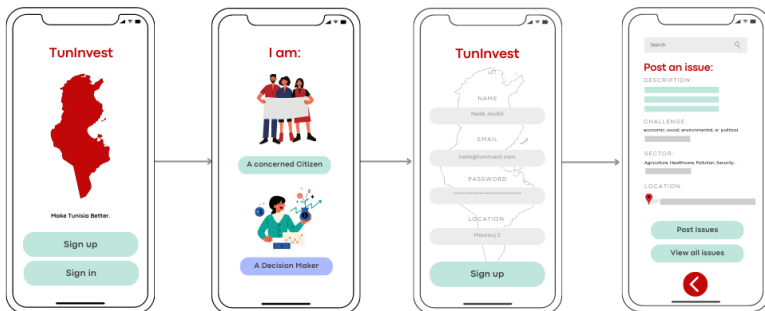


render

## Interface

## TunInvest App

## Screen Flow Diagram



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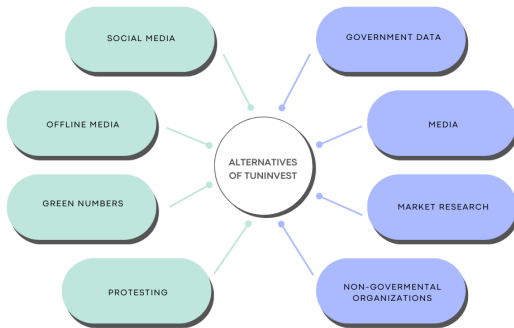
Scalability

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## Comparison

- There is no direct competition with TunInvest API.
- However, there are alternatives for Tunisians to express their own concerns and for stakeholders to learn about these problems and address them accordingly.

### Market Analysis



# Challenges

## Challenges

- Deployment with render.
- Verification email.
- Refresh Token.

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# Scalability

## Projections

- Dashboards and visualizations.
- Machine learning.
- Predictive analysis.
- Mobile App.
- Integration with other platforms.
- Automated notifications.
- Global Communities.

## Conclusion

### Final Words

The purpose of this project was to build an API that has a social and economic impact on Tunisia. After including the missing features and upscaling the functionalities, TunInvest API 2.0 can really contribute to making Tunisia better.



# Thank you for your attention!



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