### SustainTrack

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### Presentation Plan

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#### Motivation

572 million dinars/year



At least 2.8 million dinars per year



600,000 malnourished people



Source: Tunisian National Institute for consumption

## WhySustainTrack

SustainTrack is an API designed to help retailers manage their stock efficiently and reduce food waste. It aims to make a positive impact on both businesses and the community.



Dynamic Stock Management



Real-time Tracking of Perishable Products expiration

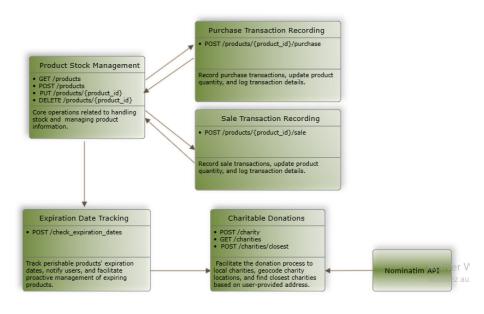


Donation Encouragement and Facilitation



Sustainable Perishable Waste Minimization

#### **Functional Flow**



## **Technologies**

Framework Database Testing Front-end Front-end

Frank-end

Frank-end

Front-end

Front-end

Front-end

Front-end

Front-end

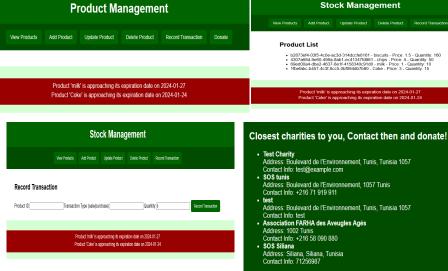
Front-end

Front-end

Front-end

Front-end

### User Interface



#### **Future Enhancements**

#### Al Integration:

- Dynamic matching
- Social media monitoring, integration with local donation platform

#### Enhanced Analytics:

- Demand forecasting
- Dynamic donation recommendations
- Performance metrics

#### Enhanced Customization:

- Tailoring feature for specific needs
- Sector-specific adaptations

# **Appendix**

```
Request body required

{
    "name": "test",
    "address": "Boulevard de 1'Environnement, Tunis, Tunisia 1057",
    "contact_info": "test"
}
```

```
Response body

{
    "id": 10,
    "name": "test",
    "address": "Boulevard de l'Environnement, Tunis, Tunisia 1057",
    "contact_info": "test",
    "lanitude": 36.90423,
    "longitude": 10.2974272
```

#### Response headers

```
"id": 6,
"name": "SOS tunis",
"address": "Boulevard de l'Environnement, 1057 Tunis".
"contact info": "+216 71 919 911".
"latitude": 36.904223,
"longitude": 10.2974272
"name": "Association FARHA des Aveugles Agés".
"address": "1002 Tunis",
"contact info": "+216 58 090 880",
"latitude": 36.82411977222222.
"longitude": 10.183632686324785
"id": 5,
"name": "SOS Siliana",
"address": "Siliana, Siliana, Tunisia",
"contact info": "71256987".
"latitude": 36.0846651,
"longitude": 9.3743733
```

### \*before sorting

\*after sorting

#### References

- Food waste in Tunisa Study: https://www.panapress.com/
- FastAPI: https://fastapi.tiangolo.com/
- Vue.js: https://vuejs.org/guide/introduction.html
- List of Tunisan charities: https://www.social.gov.tn/fr/societes