FINAL YEAR PROJECT: MICROSPONSORING

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- DEVELOP A DIGITAL PLATFORM TO SIMPLIFY SPONSORSHIP MANAGEMENT FOR ORGANIZATIONS AND NON-PROFITS.
- ENABLE EASY ORGANIZATION OF SPONSOR PAGES AND CUSTOMIZATION OF RECOGNITION BENEFITS.
- PROVIDE A SECURE, TRANSPARENT, AND USER-FRIENDLY EXPERIENCE TO ENHANCE SPONSOR ENGAGEMENT.

OVERVIEW OF THE HOST ORGANIZATION

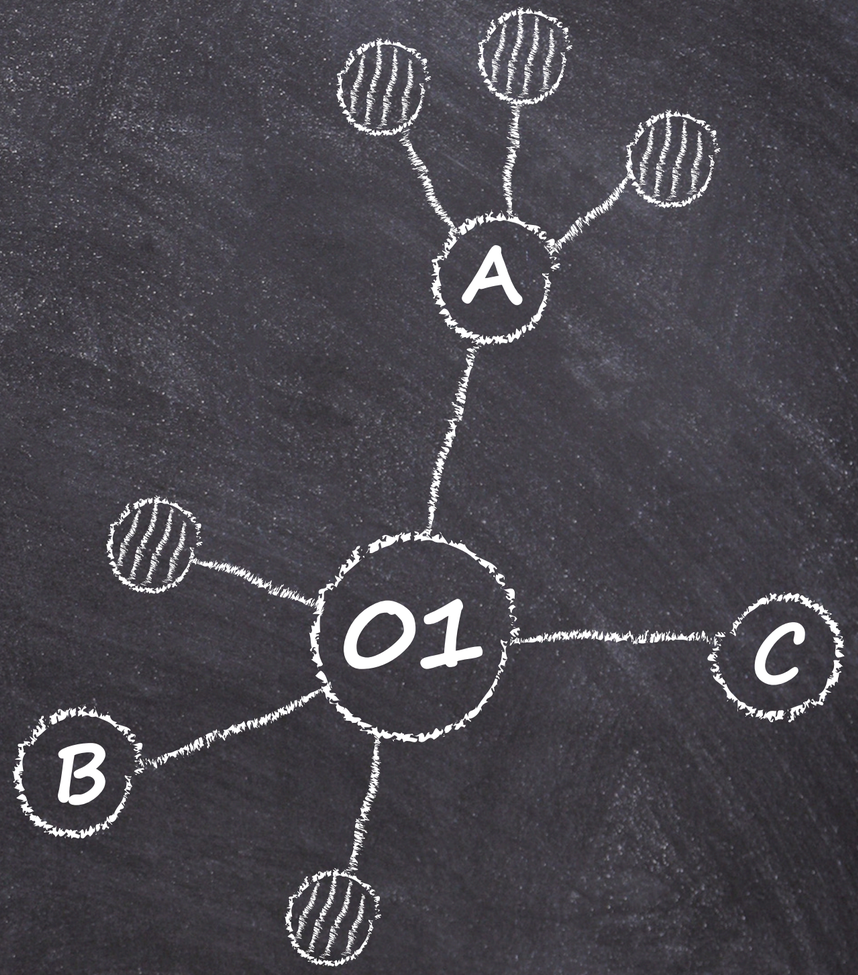
LEADING IT CONSULTING AND DIGITAL TRANSFORMATION COMPANY BASED IN TUNISIA.

MISSION:
TO DELIVER INNOVATIVE TECHNOLOGY SOLUTIONS THAT DRIVE BUSINESS GROWTH AND OPERATIONAL EXCELLENCE.

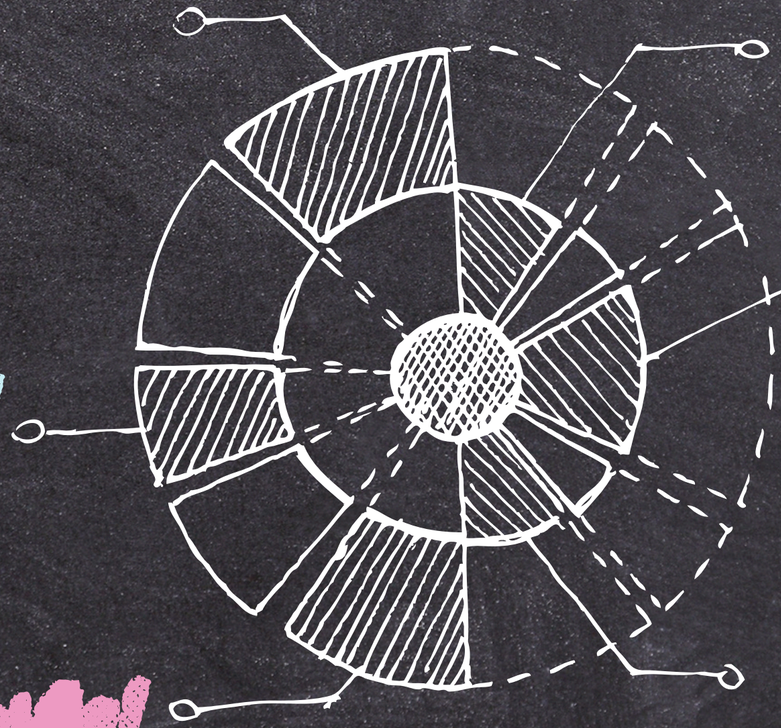
VISION:
BECOME A TRUSTED PARTNER FOR DIGITAL TRANSFORMATION IN TUNISIA AND THE MENA REGION.

PROBLÉMATIQUE

HOW CAN A DIGITAL PLATFORM HELP ORGANIZATIONS AND NON-PROFITS STREAMLINE THE SPONSORSHIP PROCESS BY ALLOWING THEM TO ORGANIZE THEIR SPONSOR PAGE, DEFINE CUSTOM RECOGNITION BENEFITS, AND OFFER SPONSORS A TRANSPARENT, SECURE, AND USER-FRIENDLY EXPERIENCE?



SOLUTION PROPOSÉE



SOLUTIONS B2B
(SPONSORMATCH, SPONSORSHIP.COM)

PROCESSUS DE PAIEMENT

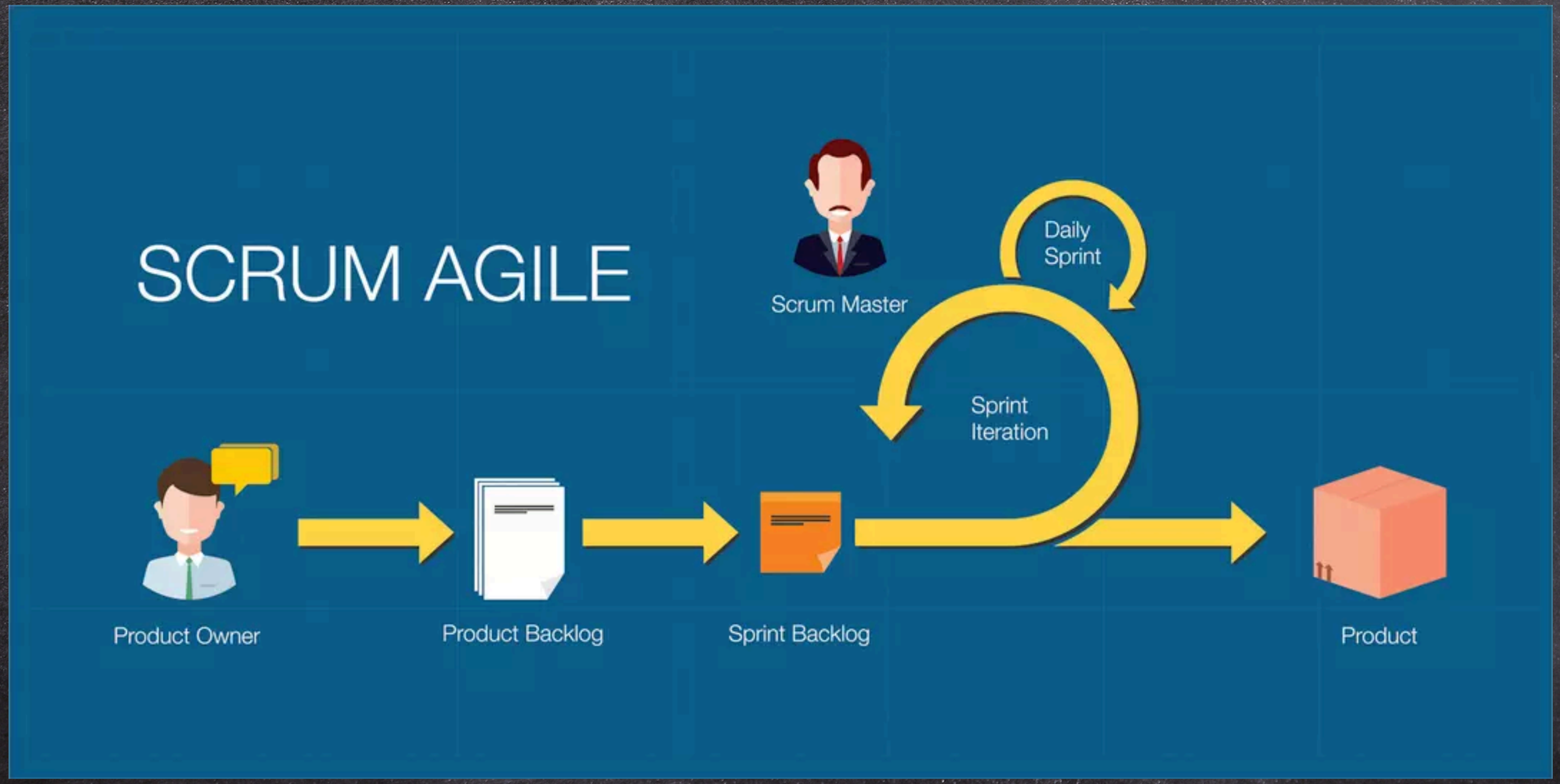
PLATEFORMES DE CROWDFUNDING
(KICKSTARTER, GOFUNDME)

PLATEFORMES DE DON
(JUSTGIVING, DONORBOX)

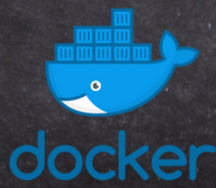
AVANTAGES CONCURRENTIELS DE MICROSPONSORING

- PERSONNALISATION AVANCÉE DES PROFILS D'ORGANISATIONS
- SYSTÈME D'AVANTAGES DE RECONNAISSANCE INTÉGRÉ
- INTERFACE MODERNE ET INTUITIVE ET LA GESTION AUTOMATISÉE DES PAIEMENTS
- RAPPORTS DÉTAILLÉS ET TRANSPARENTS

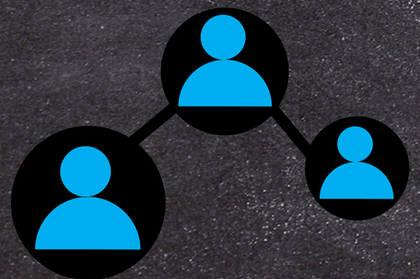
METHODOLOGY



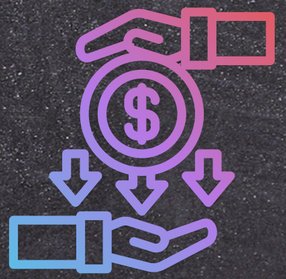
TECHNOLOGIES



FUNCTIONAL REQUIREMENTS

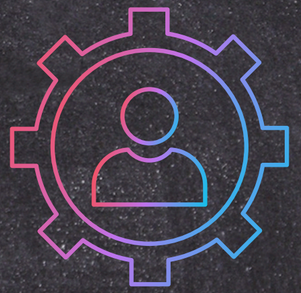


ORGANIZATION MANAGEMENT



SPONSOR MANAGEMENT

PAYMENT SYSTEM



ADMINISTRATION

NON-FUNCTIONAL REQUIREMENTS

SECURITY

AVAILABILITY

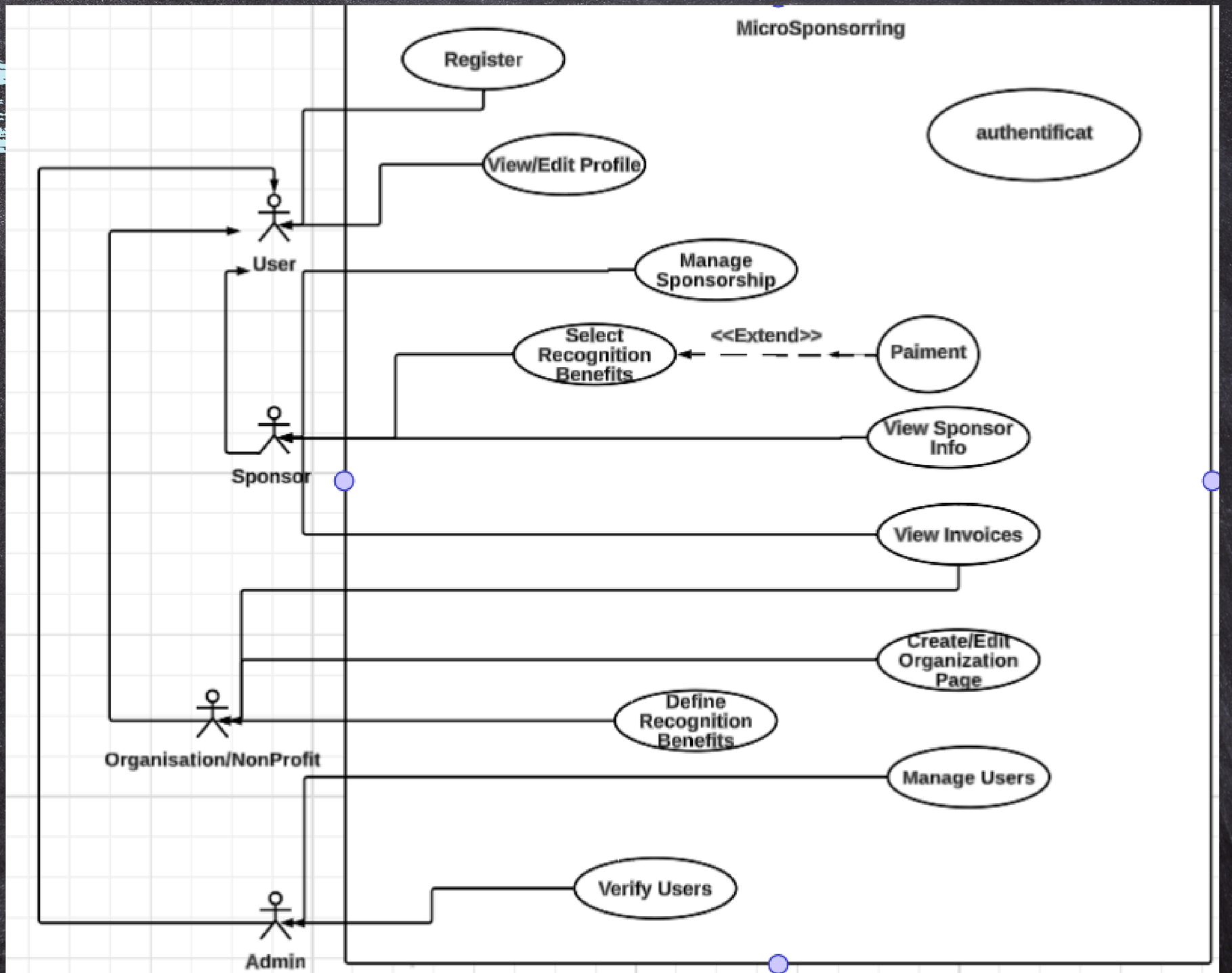
PERFORMANCE

USABILITY

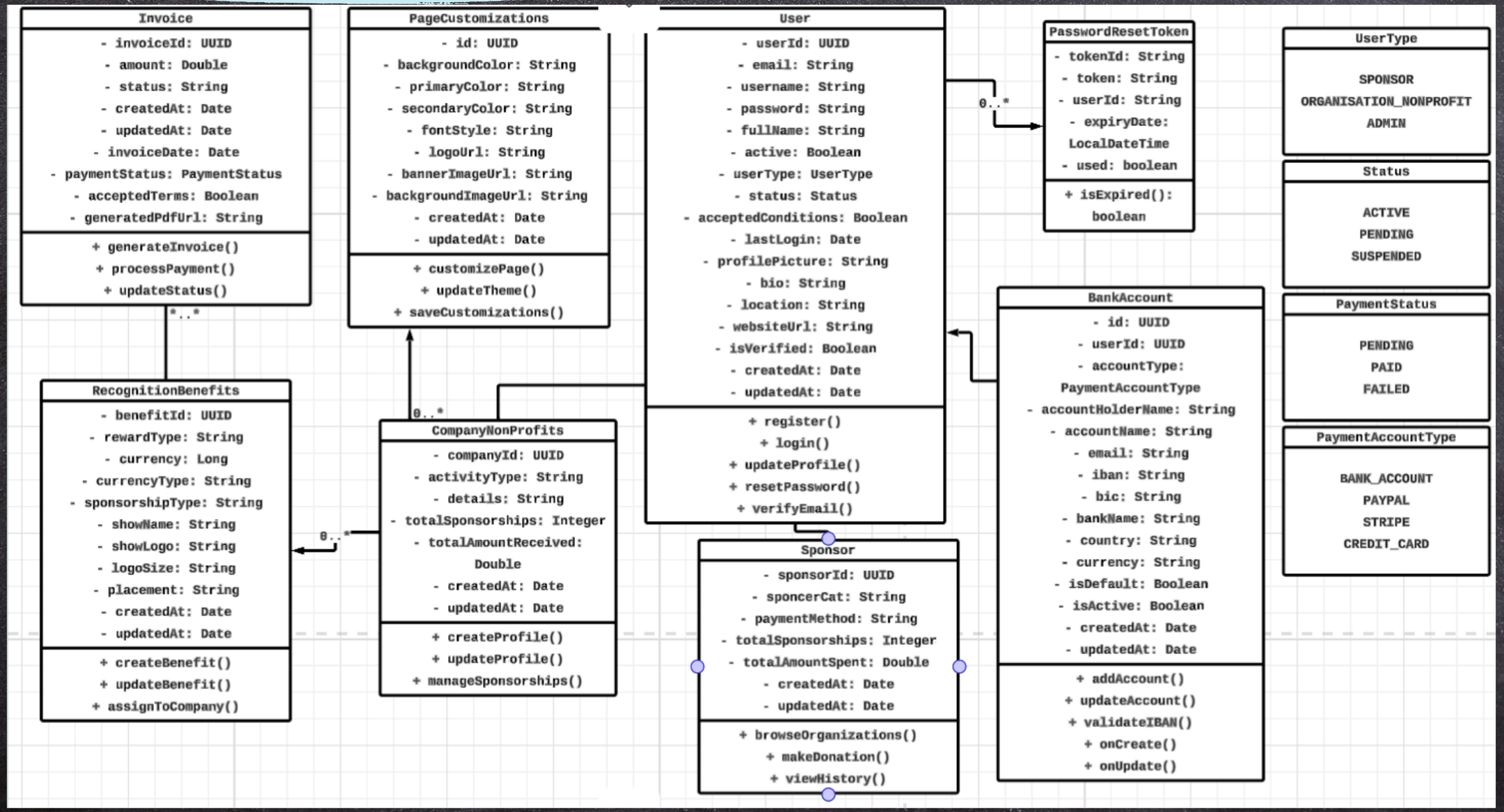
SCALABILITY

MAINTAINABILITY

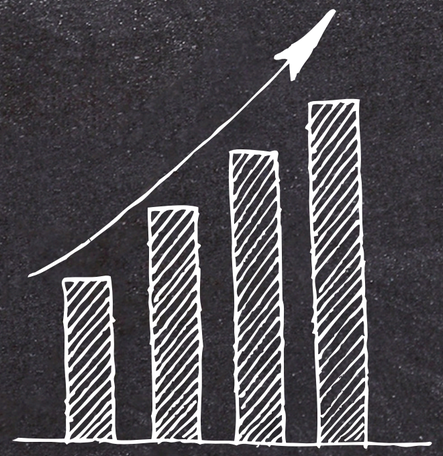
DIAGRAM USER CASE



CLASS DIAGRAM



LOGICAL ARCHITECTURE



COUCHE PRÉSENTATION

- Angular UI Components
- Responsive Design
- Progressive Web App

COUCHE APPLICATION

- Controllers (REST API)
- Services (Business Logic)
- DTOs (Data Transfer)

COUCHE DOMAINE

- Entites (Models)
- Repositoires (Data Access)
- Value Objects (Business Rules)

COUCHE INFRASTRUCTURE

- Database (MySQL)
- External Services (Checkout)
- File System (Images)

PHYSICAL ARCHITECTURE

KUBERNETES ARCHITECTURE

Kubernetes Master Node

Role: Orchestreur

- API Server
- Scheduler
- Controller Manager
- etcd

↓

Réseau

→

→

Worker Node 1

CONTENEURS:

- Angular (Frontend)

POD

- *Empty Container*

Network

Worker Node 3

CONTENEURS:

- Spring Boot (Backend)

POD

- MySQL (Base de données)

Network

CONCLUSION

- Architecture moderne .
- Sécurité renforcée .
- Interface utilisateur soignée .
- Fonctionnalités riches .
- Expansion future .
- Impact social fort .
- Innovation durable .