

TULINK API PLATFORM

Connecting Expertise, Empowering Startups

An API Platform for the Tunisian Startup Ecosystem

Elaborated By:

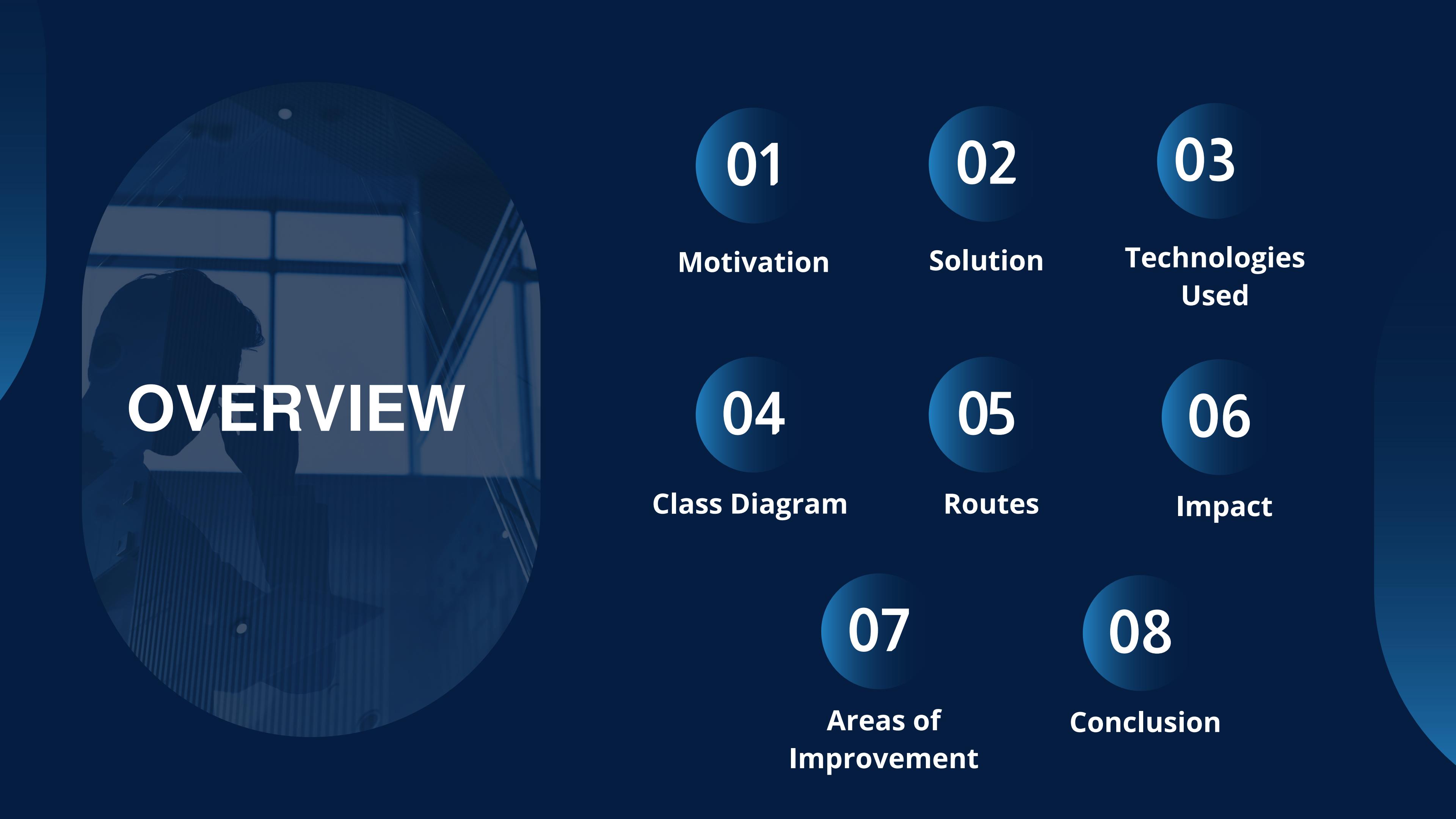
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MOTIVATION



PROBLEM

- The Tunisian startup ecosystem struggles with fragmented access to qualified expert guidance.
- Current solutions offer limited personalized matchmaking and lack integrated management tools.
- This results in inefficient processes, higher costs for startups, and difficulty for experts to offer services

02 SOLUTION



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TULINK

A FLEXIBLE API THAT CONNECTS
TUNISIAN STARTUPS WITH EXPERT
GUIDANCE

**TARGETED
MATCHMAKING**

**STREAMLINED
BOOKING
&
COMMUNICATION**

**COST-
EFFECTIVE
EXPERTISE**

FEATURES

**CENTRALIZED
MANAGEMENT**

**FLEXIBLE
SCHEDULING**

**WIDER
NETWORK**

ECONOMIC PROFIT

Commission-Based Revenue:

15%

The platform deducts this commission from the total amount due to the service provider, ultimately receiving 85% of the calculated amount.

03

TECHNOLOGIES USED



A versatile programming language used as the core for building the API



A reliable relational database used for persistent storage of structured data



A modern web framework chosen for its high performance, speed, and ease of use in building APIs



An API platform used for testing API endpoints by sending requests and validating responses.



An Object-Relational Mapping (ORM) tool used to manage database interactions efficiently



A tool for generating interactive API endpoints documentation

SECURITY



Ensure secure user authentication and session management, enabling access to protected API routes through token-based verification.

JSON Web Tokens



A framework used to grant third-party access to user data securely, allowing external applications to utilize TULINK's services while protecting user privacy.

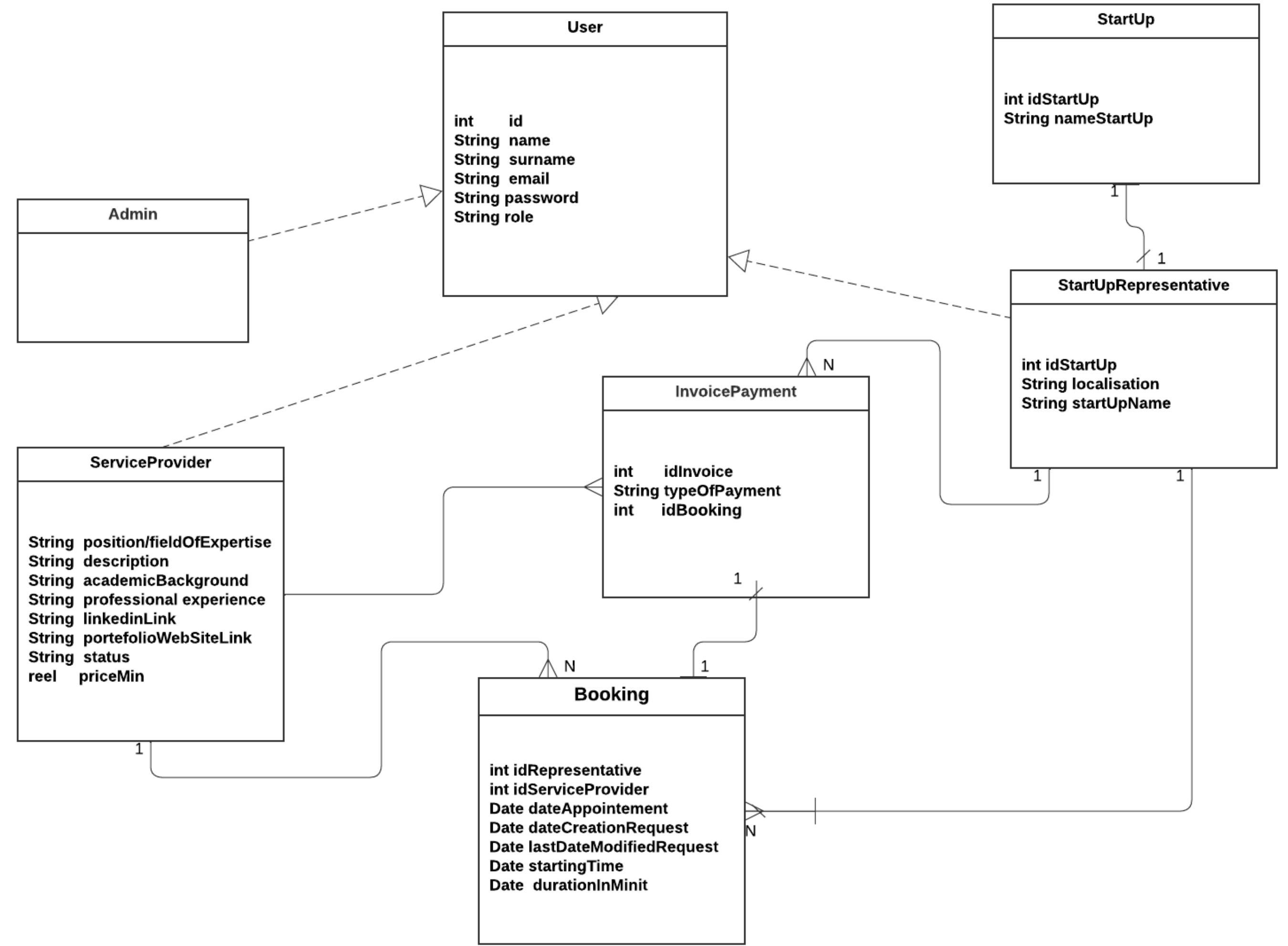
OuAth 2.0



A Python library used to secure user passwords through hashing algorithms

04

CLASS DIAGRAM



05

ROUTES

Users Management

- ✓ Service Provider
 - POST** Creation of a SP profile
 - PUT** Modify the profile
 - GET** Retrieve all SPs
 - GET** Retrieve a SPs by field
 - DEL** Delete the profile
- ✓ Startup
 - POST** Creation of the startup account
 - PUT** Modify the account
 - GET** Retrieve startups
 - DEL** Delete a startup account
- ✓ Startup Representative
 - POST** Creation of the SR account
 - PUT** Modify the account
 - GET** Retrieve SRs
 - DEL** Delete a SR account

Booking & Payment

- ▼ Booking
 - POST** Booking a call between a SR and SP
 - DEL** Delete a booking
 - GET** Retrieve booked calls
 - PUT** Modify a booked call
- ▼ Payment
 - GET** Retrieve invoices
 - POST** Creation of an invoice
 - DEL** Delete an invoice
 - PUT** Modify the invoice

06

IMPACT



**EXPANDED ACCESS TO
EXPERTISE FOR STARTUPS**



**INCREASED REACH AND
GROWTH FOR EXPERTS**



**A MORE CONNECTED AND
COLLABORATIVE ECOSYSTEM**



**SHOWCASED INNOVATIVE
APPROACH TO STARTUP SUPPORT**

AREAS OF IMPROVEMENT

- Incorporate secure and integrated payment methods for streamlined transactions using STRIPE API which is an external API used for handling payments, subscriptions and payouts
- Refine algorithms for more precise expert - startup matching.
- Add direct, real-time communication features for seamless interaction between both parties.
- Leverage comprehensive analytics by incorporating a data visualization techniques to present actionable insights and key metrics for both startups and experts.

- The TULINK API Platform empowers startups by facilitating efficient connections with expert guidance and support.
- Startups can access tailored advice and expertise based on their specific needs and challenges through streamlined matchmaking.
- The API provides streamlined booking, centralized management, and cost-effective solutions for various startups, improving their efficiency and growth
- It aims to bridge the gap between startups and experts, fostering a thriving Tunisian entrepreneurial ecosystem with enhanced opportunities for growth and collaboration.

**THANK
YOU
FOR YOUR
ATTENTION!**

