

Threelled.

The dawn of
personalized LifeLong Learning

March 25, 2022

Team name: Uniqu3

Case Partner: **SWITCH**

Problem/Opportunity

01

Lifelong learning
is **not optimised**
for individuals or
the society

02

Individual
learning history
is **fragmented**
across many
platforms and
experiences

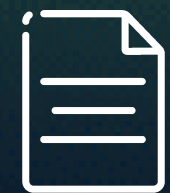
03

Upskilling and
reskilling are
becoming an
urgent need for
many companies

The Idea



Expand the SWITCH ecosystem with companies looking to train, upskill, reskill their workforce



Create one record of learning history verified by SWITCH for all employees




Offer smart recommendations for courses and programs based on user attributes and preferences


Our Product: **Threelled.**

A platform that enables LifeLong Learning for all


Today



For universities
Simplify enrolment and use the established identity solution for the academic sector.



For services
Offer your service to the entire university community by enabling login with SWITCH edu-ID.



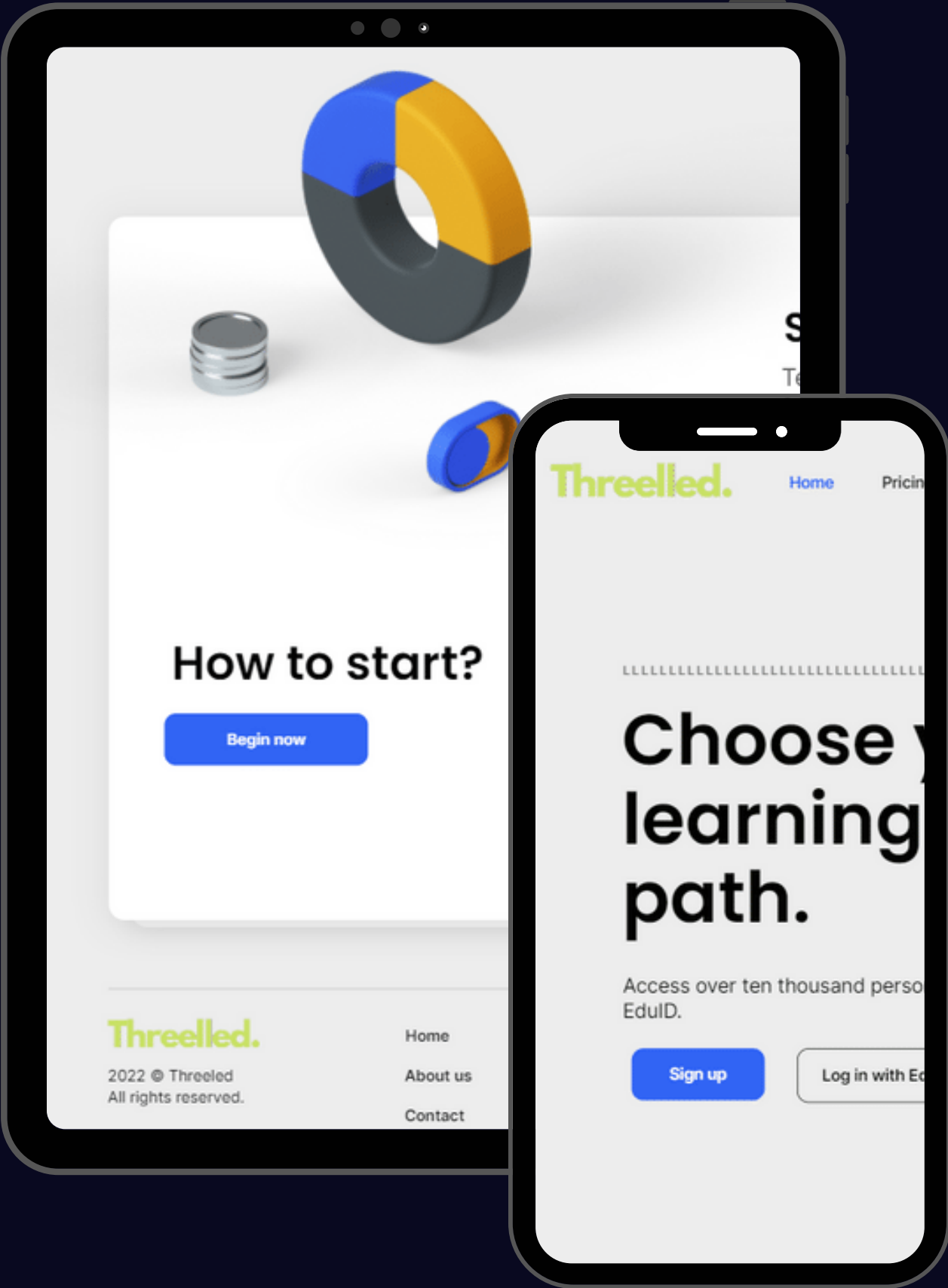
For users
Use services at several universities and throughout your entire educational career with one login.

Threelled.



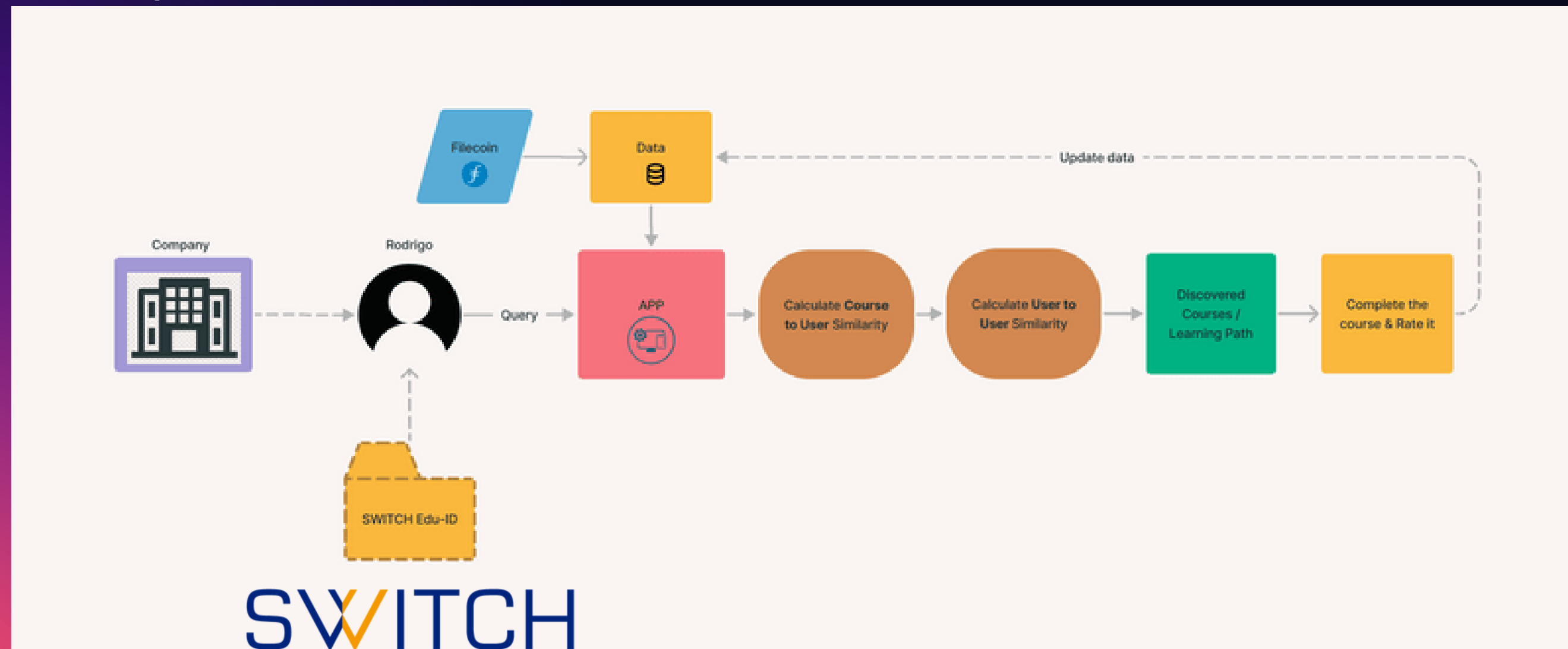
Companies

Training
needs



The underlying tech

- individual profiling using advanced similarity and ranking algorithms
- matching algorithm based on user attributes, preferences, career goals
- personalized recommendations and learning track record in one place
- digital wallet enabling individual learning account topped-up by the government, company or individual



```

score += learning_style_overlap * 5

return score / COURSE_TO_PERSON_SIM_MAX

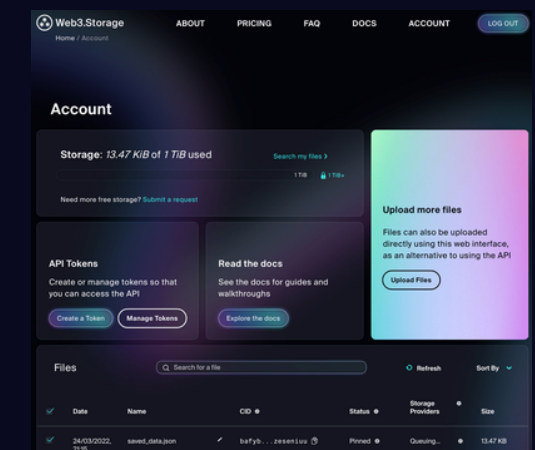
return 0.0

def person_to_person_matching_score(user_x: Individual, user_y: Individual) -> Float:
    """
    :param user_x:
    :param user_y:
    :return:
    """
    learning_style_overlap = len(
        set(user_x.preferred_learning_style).intersection(set(user_y.preferred_learning_style)))

    background_check = float(user_x.background == user_y.background)
    profession_check = float(user_x.profession == user_y.profession)
    gender_check = float(user_x.gender == user_y.gender)
    age_range_check = float(user_x.age == user_y.age)

```

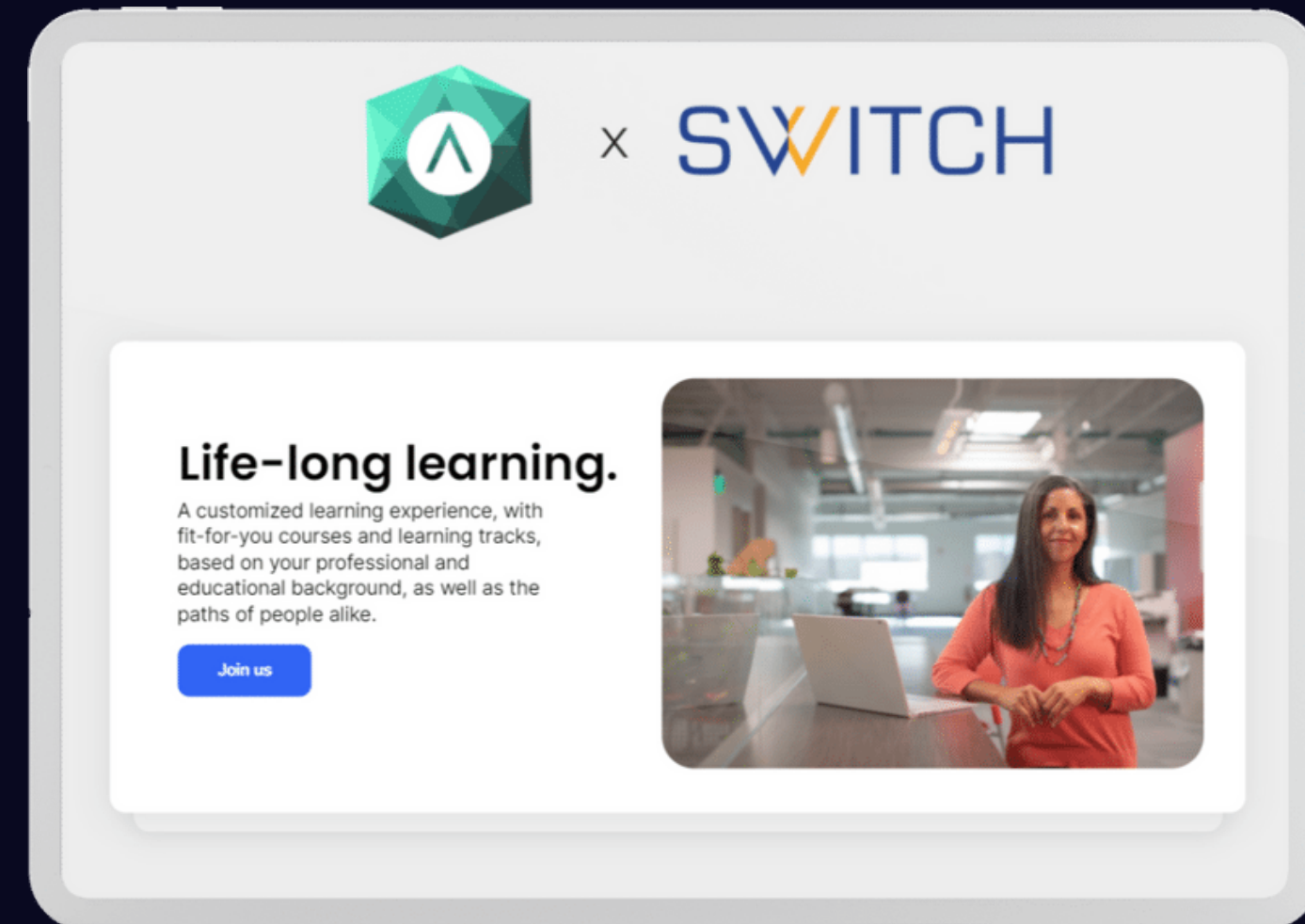
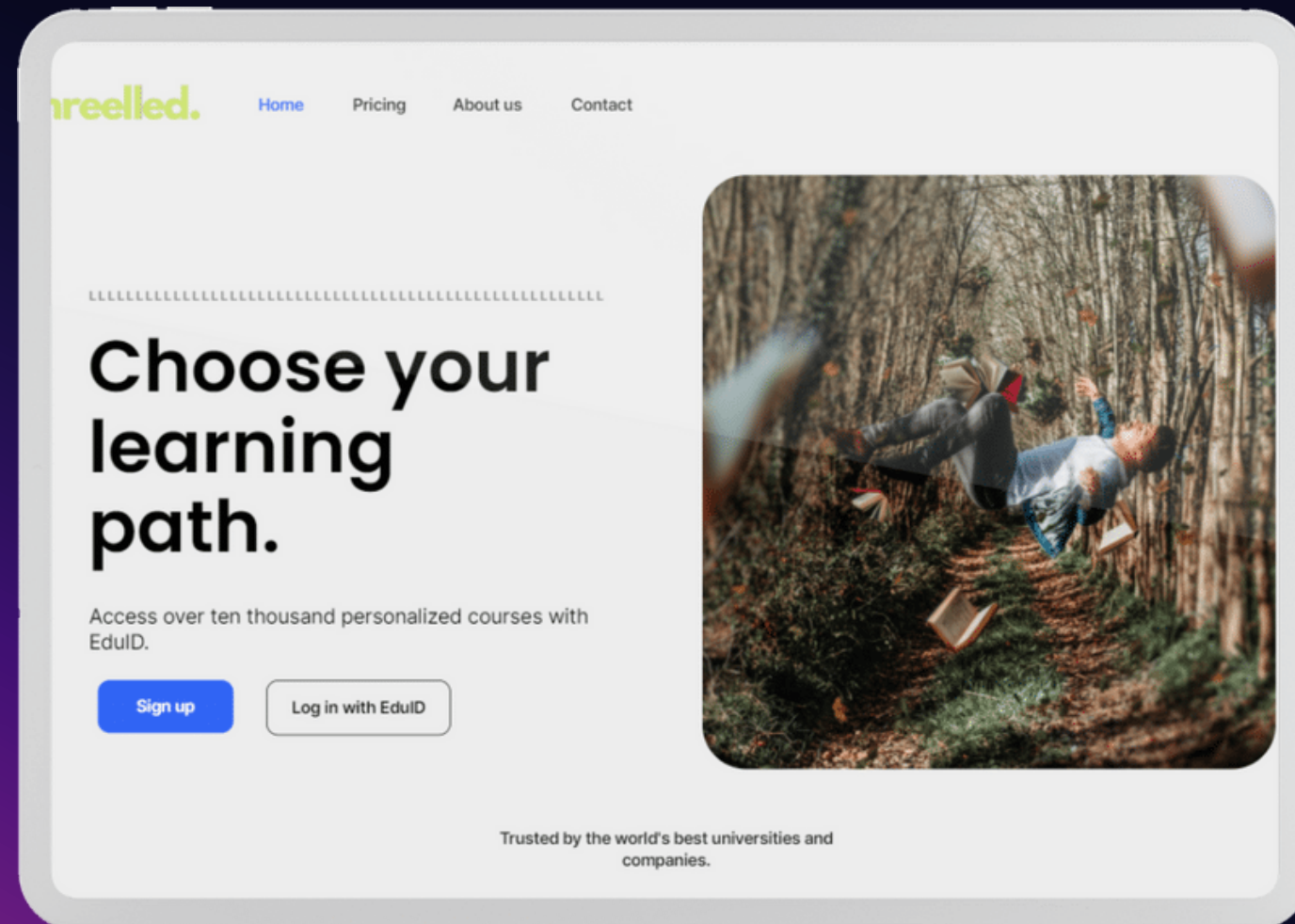
Similarity algorithms



Data storage on blockchain

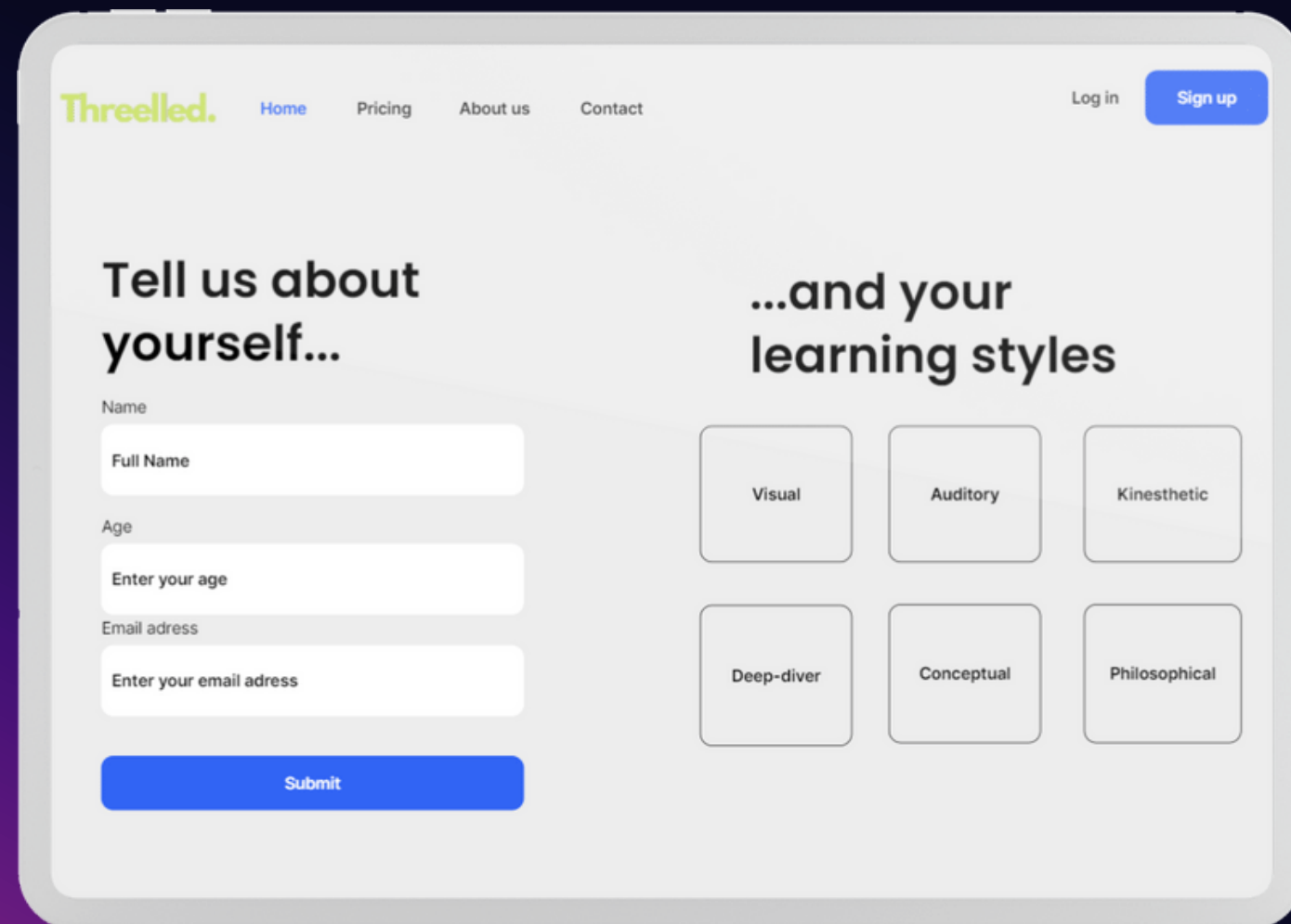


The User View



1. Users access the platform by registering for SWITCH edu-ID (if they don't have it already)

The User View



Threelled. Home Pricing About us Contact Log in Sign up

Tell us about yourself...

Name

Full Name

Age

Enter your age

Email address

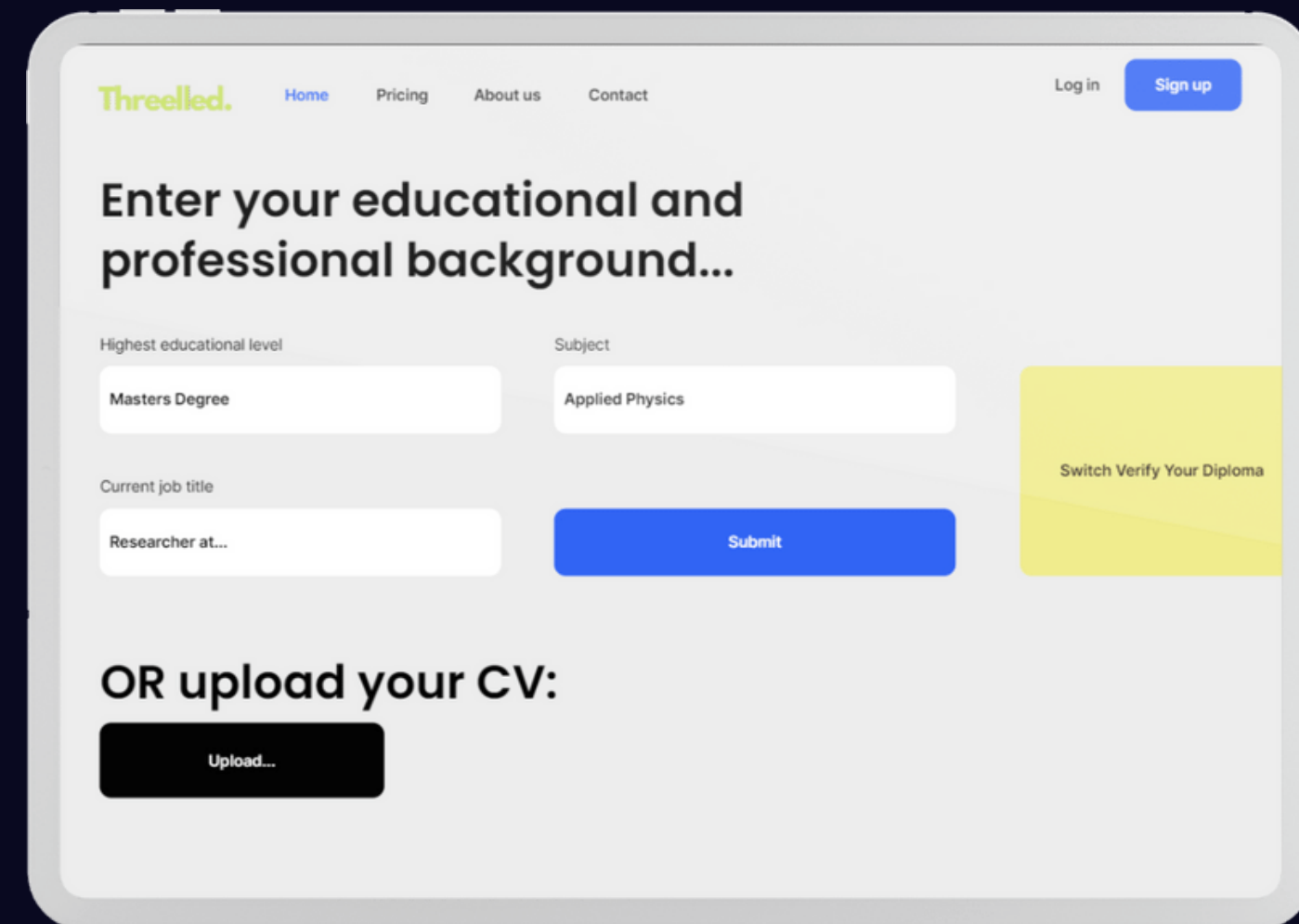
Enter your email address

Submit

...and your learning styles

Visual Auditory Kinesthetic

Deep-diver Conceptual Philosophical



Threelled. Home Pricing About us Contact Log in Sign up

Enter your educational and professional background...

Highest educational level

Masters Degree

Subject

Applied Physics

Current job title

Researcher at...

Submit

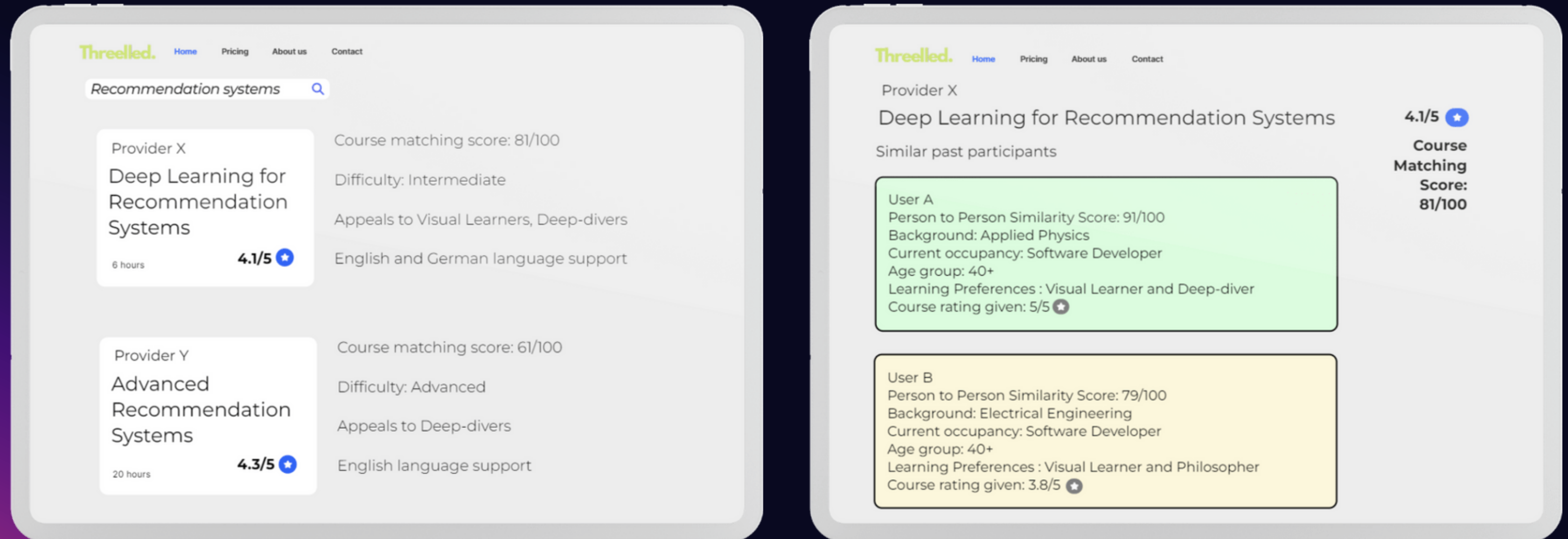
Switch Verify Your Diploma

OR upload your CV:

Upload...

2. Feed in information on academic & professional background, learning preferences and verify diplomas with SWITCH verify

The User View



3. Explore matching courses and programs from the academic providers and review past course experiences and feedback from similar participants.

The Company View

Dashboard allows quick overview of:

- learning activities among the workforce and uptake
- skill maps and skill needs
- recommended training/upskilling/reskilling programs
- workforce planning strategies
- available research partners and possible innovation synergies

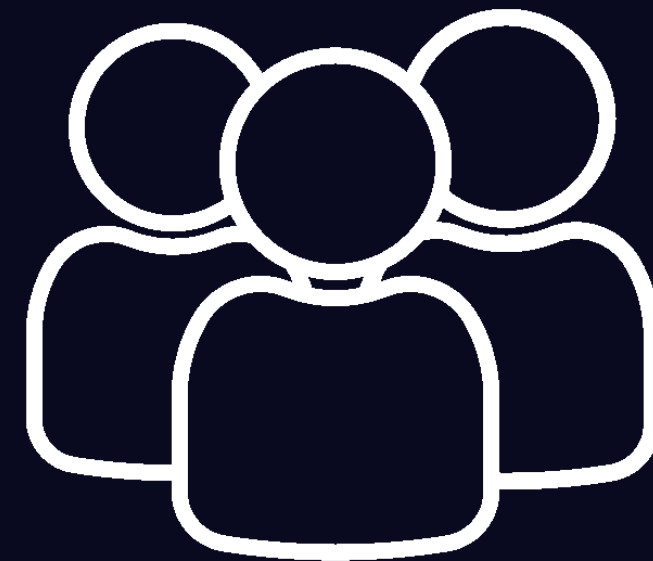


Business Model



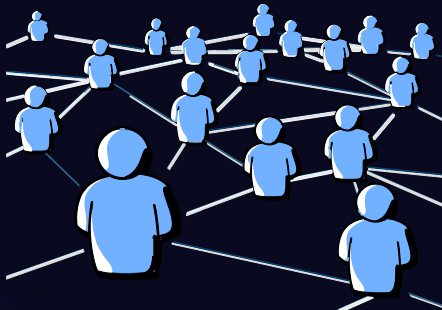


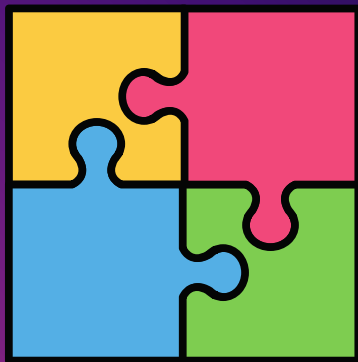
Setup fee

+



Licence per # users

Potential extensions of **Threelled**.

	Social Learning	Creating learning communities, facilitating peer impact, accountability, creativity and softs skills development
	Better educational content creation & delivery	Giving feedback to educational providers to customize content based on learning preferences, demographics, 70/20/10 etc.
	Mental Health	Offering customized advice and nudges while learning to promote motivation, balance, reflection and wellbeing
	Empower Unemployment Services	Facilitating quick matching between unemployed and skill needs in available jobs, as well as recommending re/upskilling pathways.

Positive social & economic impact

- Supporting individuals in their professional learning & development at every stage
- Enabling efficiency on workforce development within and between companies
- Promoting greater knowledge transfer between academic institutions and industries
- Supporting the national competitiveness of talent and innovation creation
- Building on existing infrastructure and in an integrative approach with stakeholders

KPIs to show increasing commitment to lifelong learning:

of new users registered for SWITCH edu-ID
through the platform

of companies subscribed to the platform

Sustainable Development Goals focus:



Challenge Partner:



The Hacker Team

Threelled.

JOVAN VASIĆ

Electrical
Engineering student,
ETF Belgrade

REDZHEP MEHMEDOV

Engineer who produces
simple solutions for
complex problems,
Otsala.AI



DIMITRIOS ASPROULIS

Master's in
Management
student,
Harvard Extension
School

JAKA CIKAČ

AI Engineer with lifelong
learning passion,
Otsala.AI

Thank you,

we are **Threelled** to meet you.

March 25, 2022

Team name: Uniqu3

Case Partner: **SWITCH**