



**Your companion
for successful
digital transformation.**

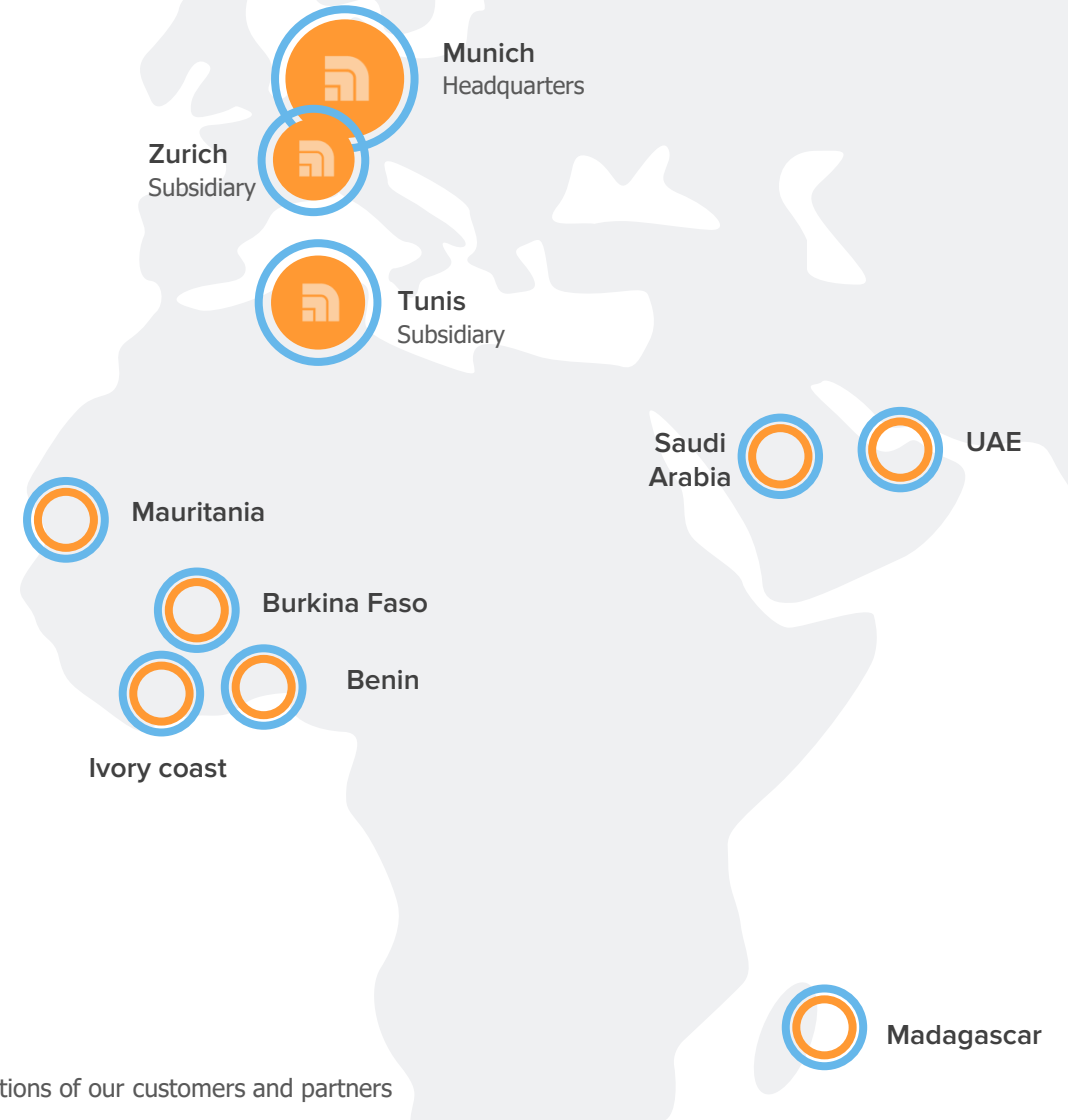
Summer internship E-book
2024

think tank presentation

ABOUT US

Founded in 1997 and headquartered in Munich, think tank Business Solutions is a key player in digital transformation across Europe, Africa and the Middle East (MEA).

As an IT service provider, we specialize in developing customized digital solutions tailored to our clients' and partners' needs.



think tank values



At think tank, transparency, team spirit, excellence, and innovation form the pillars of a win-win partnership.



TRANSPARENCY

Comprehensive Documentation, Regular Communication & Reporting.



COLLABORATION

We combine our efforts to effectively address your digital needs.



INNOVATION

Our R&D efforts place us at the forefront of technological advancements.



EXCELLENCE

On-time IT product delivery (99.95%) and guaranteed product quality.

Shape the future with us!



Are you looking for a company where you can pursue your passion, contribute and develop your skills and talents?

You've come to the right place!
Discover our internship topics



Department Marketing

Description

- Participate in brainstorming sessions related to marketing strategy and initiatives.
- Craft compelling marketing materials and presentations (internal and external)
- Conduct market research : competitor analysis, identify industry trends and customer insights to refine marketing strategies and inform decision-making.
- Social Media Management : prepare monthly social media calendars, schedule posts, and engage with potential leads.

Technologies:

Microsoft Office (Outlook, PowerPoint, Excel), Canva, PTS

Duration:

2 months

Profile:

Marketing, communication, or Digital Marketing Student



REF [PTS-JA-10787730]



Department

HR - Human Resources

Description

HR policies are formal documents and guidelines that establish the company's approach to managing its workforce. They go beyond simply outlining rules; they reflect the company's values and strategic goals for its human capital, during this experience you will:

- Assist in researching and analysing current HR policies and industry best practices.
- Identify areas for improvement and make recommendations for policy updates.

Technologies:

Data analysis tool, Survey, Benchmark, Interviews, PTS

Duration:

2 months

Profile:

Occupational Psychology or Human Resources master's student



REF [PTS-JA-10787732]



Department IT - Information Technology

Description

The machine learning lifecycle consists of many complex components such as data ingest, data prep, model training, model tuning, model deployment, model monitoring , and much more.

- Set up Kubernetes clusters, implementing CI/CD workflows, and integrating monitoring solutions for efficient model deployment and management.

Technologies:

Kubernetes, Docker, CI/CD, Jenkins, Monitoring, ML Framework, Python, GPU, AI

Duration:

1-2 months

Profile:

Software engineer



REF [PTS-JA-10787735]

Description

- Automated deployments, and Kubernetes cluster management.
- Boost productivity, reliability, and security with this powerful combination.
- Get ahead in software delivery with GitLab CI & Argo CD.

Technologies:

Gitlab-CI, CI/CD, k3s, Argo-CD, Bash

Duration:

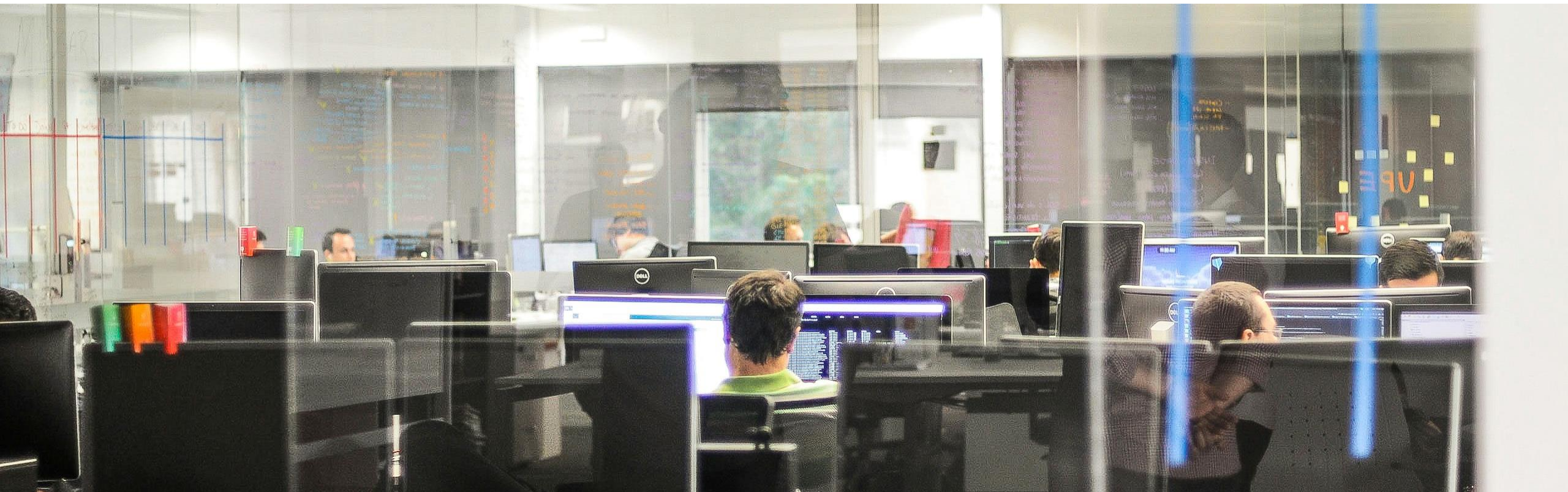
1-2 months

Profile:

Software engineer



REF [PTS-JA-10787737]



Department **DEV** – Software Development

Description

This project focuses on integrating form generation capabilities into Angular applications.

Participants will learn how to efficiently create and manage forms using Angular's built-in features and third-party libraries, enabling them to streamline data input and validation processes in their web applications.

Technologies:

Angular framework, Reactive Forms or Template-driven Forms, HTML/CSS, TypeScript

Duration:

2 months

Profile:

Bac+3/ software engineer



REF [PTS-JA-10787738]

Description

The goal is to implement a status workflow management module using Business Process Model and Notation (BPMN).

- This module will enhance the management of object statuses within our Progress Tracking System (PTS), providing a streamlined, automated, and user-friendly solution for tracking and updating statuses.
- Develop the backend logic for the BPMN-based status workflow. This includes defining status categories, transitions, gateways, and conditions.
- Create an intuitive frontend interface that allows users to interact seamlessly with the status workflow module.

Technologies:

Java17, Spring boot, Angular, BPMN IO

Duration:

2 months

Profile:

Software engineer



REF [PTS-JA-10787739]

Description

The goal is to improve Team Collaboration with an Action Plan Micro-App.

Creating a checklist based on an action plan template involves breaking down the plan into actionable tasks.

- Market Research and Evaluation
- Micro-App Development: Development of a micro application for Action Plan generation and Administration
- Exploring AI Integration

Technologies:

Spring boot, Angular, Micro frontends

Duration:

1-2 months

Profile:

Software Developer



REF [PTS-JA-10787752]

Description

Kubernetes itself doesn't provide a dedicated "Config Service" out of the box, but there are several ways to achieve configuration management for your applications within a Kubernetes cluster

The goals of this internship:

- Automated Service Addition: e.g. New services can be added by updating the external store.
- Dynamic Configuration: Configurations can be updated dynamically without restarting pods.

Technologies:

Kubernetes, Micro services, MySql, Springboot, Helm

Duration:

1-2 months

Profile:

Software Developer



REF [PTS-JA-10792457]

Description

- Create a mobile application, PTS Mobile App, allowing users to manage account, check emails, submit home office requests, schedule holidays efficiently etc.

Technologies:

React Native, Flutter, Rest API

Duration:

1-2 months

Profile:

Software engineer



REF [PTS-JA-10787750]

Description

This internship involves ensuring smooth integration between a digital document management system (EDMS) and within our Progress Tracking System (PTS).

- Explore different EDMS solutions to find the best fit based on factors like scalability, security, usability, and integration capabilities.
- Customize the EDMS to suit our needs, like organizing files.
- Managing access permissions.
- Develop a Spring Boot project to integrate the REST API of the chosen EDMS, allowing us to use its features as needed.

Technologies:

EDMS Integration, Spring Boot, Microservice Architecture, Rest API, Open API, Docker, Git

Duration:

1-2 months

Profile:

Software Developer



REF [PTS-JA-10787753]

Description

Providing a receptionist assistant to guide visitors to available workplaces :

- Provide visitors with available workplace.
- Act based on workplace planning.
- Recognize visitors and accompany them to their workplace.
- Inform employees about their reserved workplaces.
- Send relevant information to the contact person.

Technologies:

Rest API, Python, LLM, AI

Duration:

2 months

Profile:

Computer Science student



REF [PTS-JA-10792460]

Description

Identifying potential threats by recognizing stressed behaviors.

Stress recognition is the process of identifying and interpreting human emotions and moods using various technologies, while considering ethical aspects (obtaining explicit consent from individuals before analyzing their emotions).

- Facial Expression Analysis
- Voice and Speech Analysis
- Text and Sentiment Analysis
- Body Language Analysis

Technologies:

CNNs, RNNs, SVMs, NLP

Duration:

2 months

Profile:

Computer Science student



REF [PTS-JA-10792462]



Department QA - Quality

Description

Create an AI solution to streamline the software testing process, in which the tests are completely created, driven, and managed by artificial intelligence. The main goal is to automate manual tasks :

- Analysis
- Test Scenario Creation
- Execute Test
- Updating test cases according to system changes
- Reporting & Test closure.

Technologies:

Python, Artificial Intelligence,
Machine Learning

Duration:

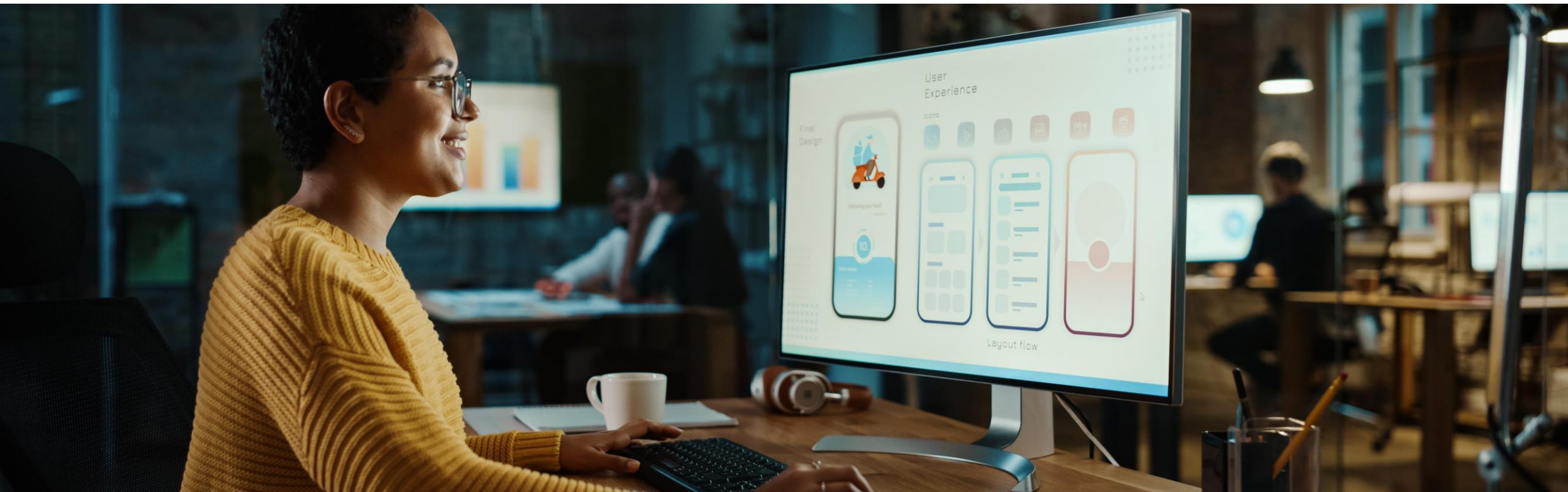
2 months

Profile:

Computer Science student



REF [PTS-JA-10787756]



Department UX/UI

Description

In this project, we will design a tool named "Data Canvas" to create complete web pages using simple, drag-and-drop components. These pages will primarily be used for displaying data, aligning with the name "Data Canvas."

This tool will be specifically designed for and integrated into a separate web application, the Progress Tracking System (PTS).

The main goal of this internship is to focus on the UX/UI design of the Data Canvas tool.

Technologies:

Figma, Adobe Creative Cloud (CC)

Duration:

1-2 months

Profile:

UX/UI Design student



REF [PTS-JA-10787755]

Description

This internship focuses on the development of post templates tailored for various social media platforms, the primary objectives are:

- Designing visually captivating and brand-aligned post templates for social media channels.
- Collaborating with the content team to integrate engaging copy and visuals within the templates.
- Ensuring consistency in design elements while adapting templates for different platforms and campaign themes.

Technologies:

Figma, Adobe Creative Cloud (CC)

Duration:

1-2 months

Profile:

Graphic Design student



REF [PTS-JA-10792463]

How to apply? Easy!

- 1 Pick a subject that excites you most from the e-book.
- 2 Send your updated resume to jobs@thinktank-tunisie.com and indicate the REF in the e-mail subject.
- 3 That's all! 😊



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