

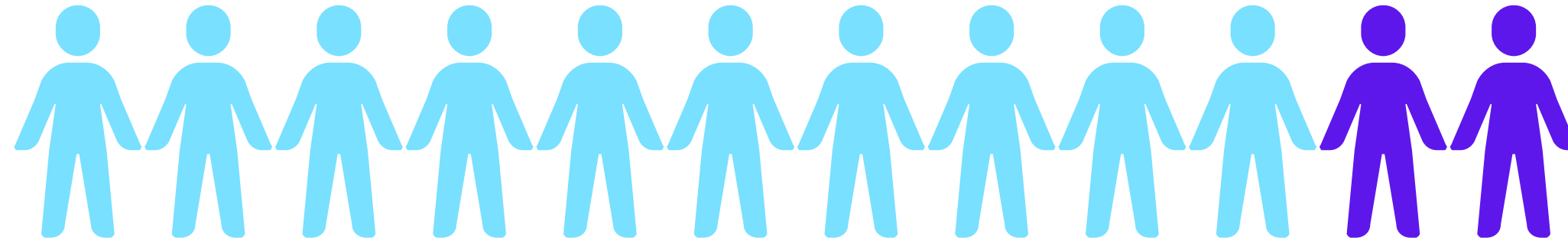
# LEETFORCES

UNLOCK YOUR CODING POTENTIAL

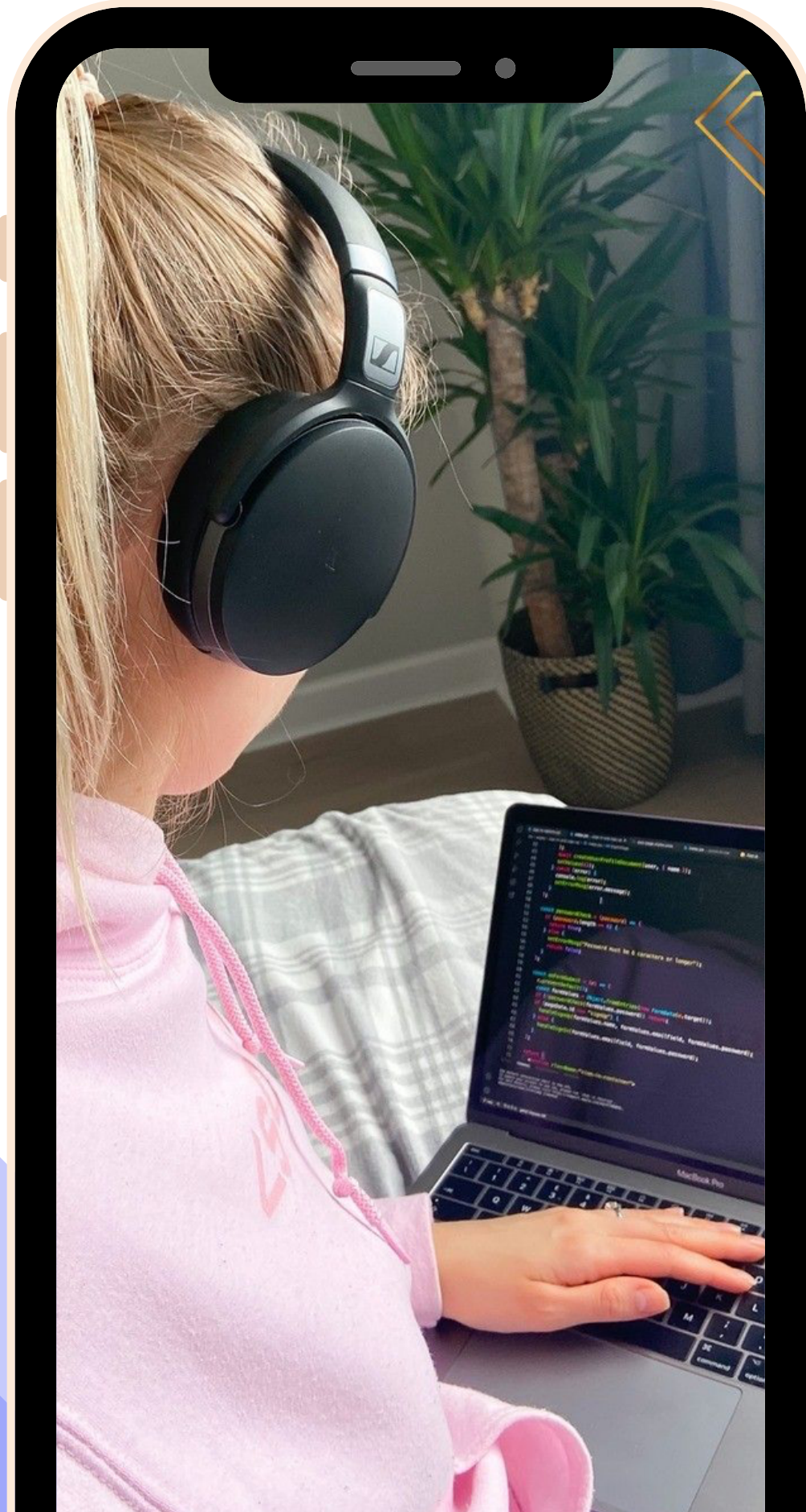


**CodeTest** used to assess programming skills, but it is:

- UNSTABLE
- HAS SECURITY ISSUES
- HAS DOWNTIMES



83% of respondents said they were extremely dissatisfied with the existing university platform CodeTest



# The Solution

## LEETFORCES PLATFORM

- User-friendly interface, visually appealing design, and seamless interaction
- Flexible features for educational institutions, students, professors, and self-guided individuals, with easy scalability
- Empowering users to improve coding skills and prepare for real-world challenges

# Key components

## Frontend

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- Provides nice and neat interface for the end-user

## Orchestrator

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- Acts as the manager of judging user submissions
- Developed in-house due to the limitations of the eJudge solution
- Provides the necessary isolation for each user submission

## Juggler

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- Serves as a mediator between services in our microservice architecture
- Offers API for the seamless database judge system access

# Tech Stack

## LEARN



Medium

StackOverflow,  
GeekForGeeks, Medium

## PROTOTYPE

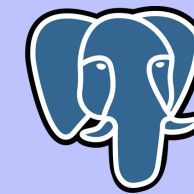


Figma, Sketch

## IMPLEMENT



NGINX



docker



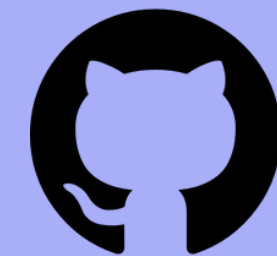
Grafana

SQLAlchemy



Flutter, Dart, Grafana, Docker, Flask, Python, PostgreSQL,  
SQLAlchemy, NGINX, XMLRPC, Github actions CI/CD

## COMMAND WORK



Github project

# Video Demo

LeetForces

Create task # 👤 ↗

## A + B

Time Limit	1 seconds
Memory Limit	256 megabytes

### Problem

You need to add two integers A and B.

### Input data

The single line of the input contains two space-separated natural numbers. The values of the numbers do not exceed  $10^9$ .

### Output data

The only line of the output should be a single integer - the sum of the numbers A and B.

### Examples

Input	Output
2 3	5
-2 1	-1

## Upload solution

Python ▾

Choose File

No file selected

Submit

User	Id	Submission time	Status
vladdan	1	Wed, 12 Jul 2023 18:10:13 GMT	Checking...
vladdan	2	Wed, 12 Jul 2023 18:10:21 GMT	Checking...
vladdan	3	Wed, 12 Jul 2023 18:11:28 GMT	Checking...
vladdan	4	Wed, 12 Jul 2023 18:12:03 GMT	Checking...
vladdan	5	Thu, 13 Jul 2023 13:42:45 GMT	Checking...
vladdan	6	Thu, 13 Jul 2023 13:42:58 GMT	Checking...
vladdan	7	Fri, 14 Jul 2023 17:25:58 GMT	Checking...
vladdan	8	Fri, 14 Jul 2023 17:30:17 GMT	Checking...

# Competitors

 *This is our project*

## CodeForces

- Known for its competitive programming emphasis and international reach.
- Controlled by a 3rd party with their own rules and limitations.

## LeetCode

- Provides necessary functionality and the ability to host judging systems by educational institutions.
- Bridges the gaps in the existing market by offering control and flexibility to users.

## Informatics

- Extensive problem library.
- Controlled by a 3rd party with their own rules and limitations in the judge system.



# Roadmap

## June 2023

- Defined project goals and requirements
- Developed core functionality

## July 2023

- Collected user feedback for refinements
- Successfully launched MVP

## December 2023

- Expand features
- Optimize the platform
- Prepare for official launch

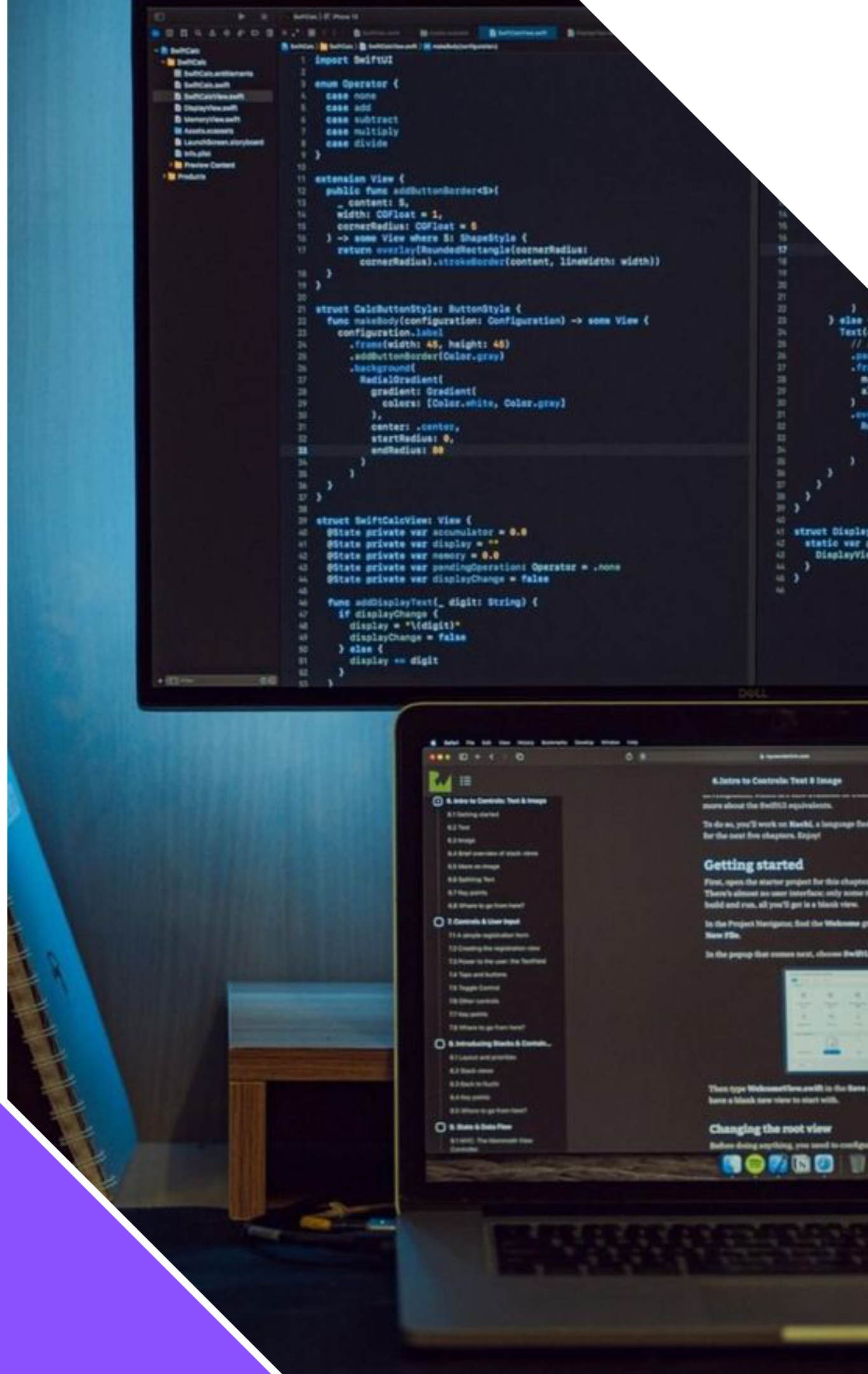
# Team



**Backend developers**

**Project manager &  
UX/UI designer**

**Frontend developers**



# Thank You

Because, we're here to help

For more information about LeetForces and innovative platform, please contact:

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