



HELLO EVERYONE,
LET'S PLAY A GAME



Skill Rush

HACKWEASE 2025

Ajeenkya D. Y. Patil University



01.

Shivam Shukla



02.

Narendra Samtani



03.

Riya Mhatre

PROBLEM STATEMENT

Gamified Learning Management System

Create a learning platform that incorporates game elements to motivate and engage students in their educational journey.

Current issue with traditional LMS platforms:

- lack of engagement
- low motivation
- poor retention

TARGET AUDIENCE AND OBJECTIVES

Target Audience

- Students: Grades 1–10 & College (1st to 3rd Year)
- Educators and Institutions seeking engaging e-learning solutions

Objectives

- Increase student engagement
- Make learning fun and interactive
- Encourage consistent progress and participation
- Personalize the learning journey

GAME ELEMENTS

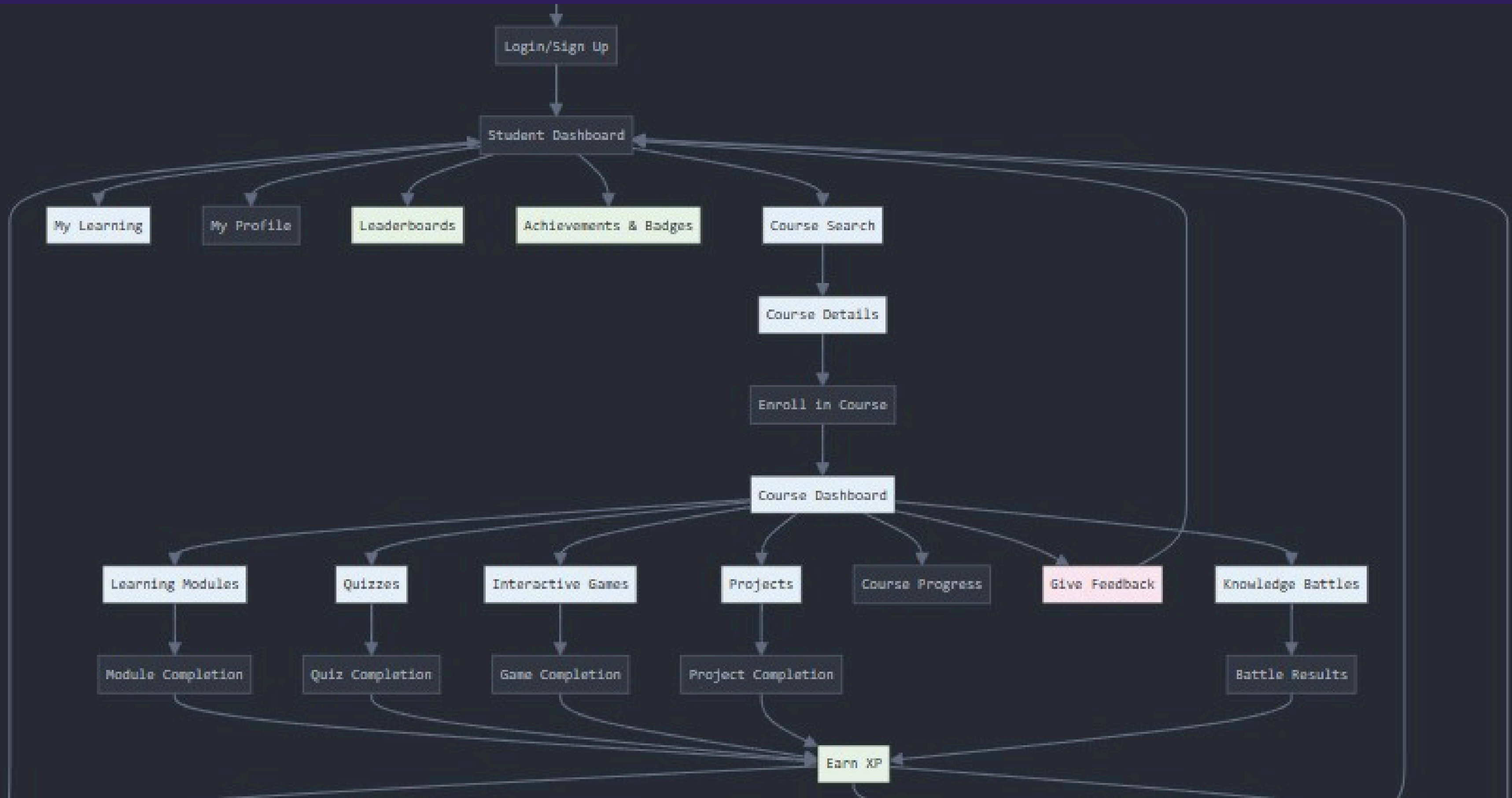
- XP & Levels: Motivation through visible progress
- Badges: Reward accomplishments
- Leaderboards: Friendly competition
- Mini-Games: Reinforce concepts through play
- Missions/Quests: Break learning into manageable, fun tasks



TECHNOLOGY STACK

- Frontend: React / Vite / Typescript / HTML + CSS
- Backend: Python / Django / Rest Framework / DRA
- Database: MySQL / SQLite / Jango ORM / CORS Handling / JSON
- JWT
- UI: Figma
- Gamification: Game Log API's
- Testing Tools: Postman / Rest Client

WORKFLOW





ARE YOU READY?

Let's get started



LOGIN PAGE

REGISTRATION PAGE

← → ↺ http://localhost:5173/signup

SkillRush

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Login [Register](#)

Create your account

Already have an account? [Sign in](#)

Username

Email address

Password

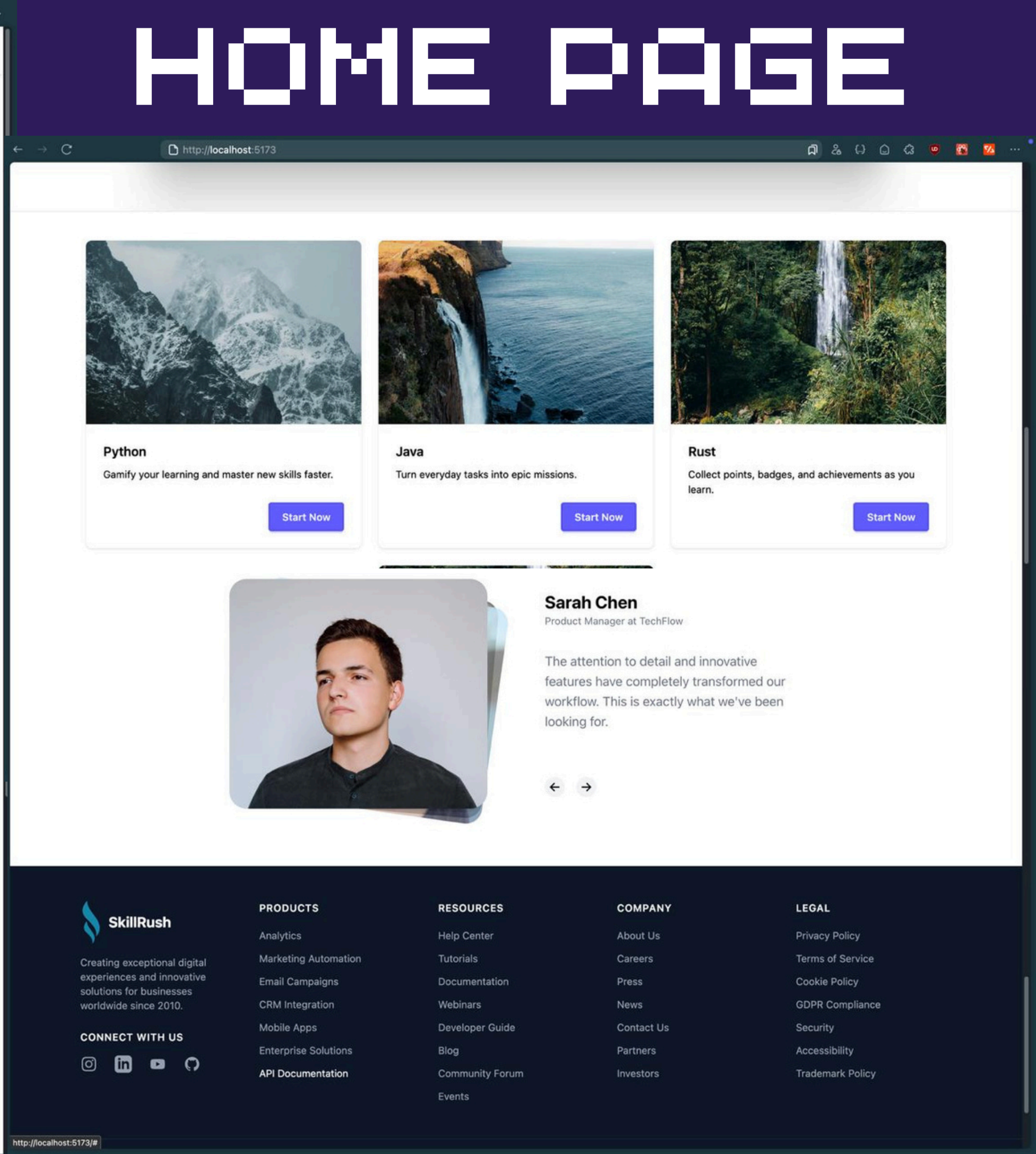
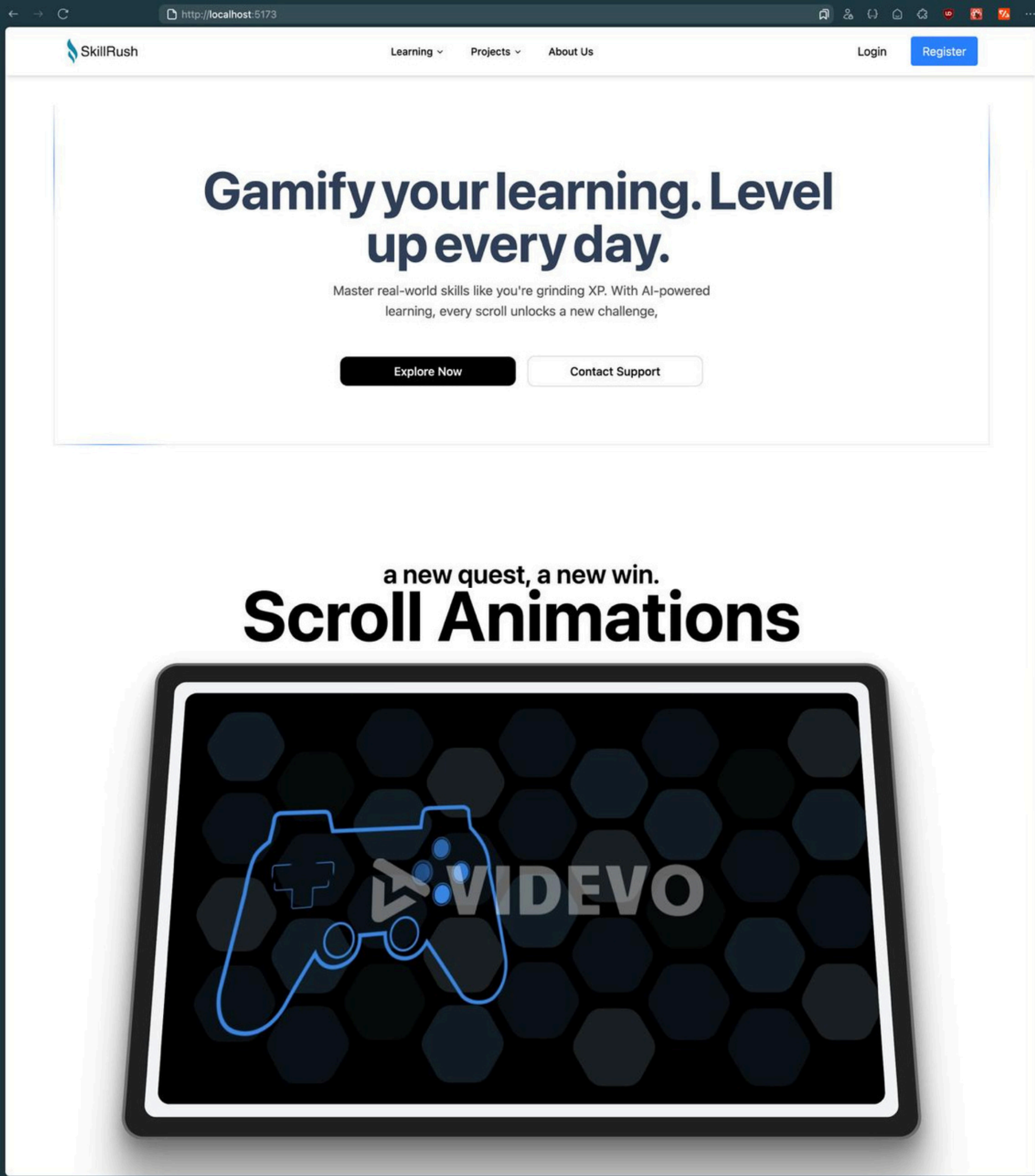
Password must be at least 8 characters

Confirm password

☒ I agree to the [Terms of Service](#) and [Privacy Policy](#)

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ABOUT US AND CONTACT US

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About Us

We're a passionate team dedicated to building products that empower people and businesses to achieve more.



Our Story

Founded in 2018, we began with a simple mission: to create technology that makes life better. What started as a small team of three in a co-working space has grown into a diverse company with team members across the globe.

Through years of innovation and dedication, we've developed solutions that are now used by thousands of customers worldwide. Our journey hasn't always been easy, but our commitment to excellence and customer satisfaction has never wavered.

Today, we continue to push boundaries and explore new possibilities, always guided by our core values and vision for the future.



Innovation

We continuously seek new ideas and technologies to solve complex problems in creative ways.



Integrity

We uphold the highest standards of honesty, transparency, and ethical behavior in all our relationships.



Customer Focus

We put our customers at the center of everything we do, creating products that address their real needs.



Shivam Shukla

Backend Developer

Shivam is passionate about creating accessible and user-friendly applications. His contribution to this project is handling the backend using Django, managing API calls, and ensuring robust server-side functionality.



Riya Sharma

UI/UX Designer & Database Manager

Riya handles UI/UX designing and also manages the database in this project. She focuses on creating functional, aesthetically pleasing designs and ensures the seamless integration of the database with the application.



Narendra Kumar

Frontend Developer

Narendra works on the frontend using React.js and leverages UI libraries like Tailwind CSS to create beautiful and interactive designs. He focuses on building a user-friendly interface that enhances the overall user experience.



Shivam Shukla

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About

Hi, I'm Shivam. I'm passionate about creating accessible and user-friendly applications. In this project, I handle the backend using Django, manage API calls, and ensure robust server-side functionality.

[Contact Me](#)

Riya Mehta

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About

Hi, I'm Riya. I'm a UI/UX designer who focuses on creating beautiful and functional user experiences. I have a keen eye for design and a deep understanding of user behavior. In this project, I handle UI/UX designing and also manage the database.

[Contact Me](#)

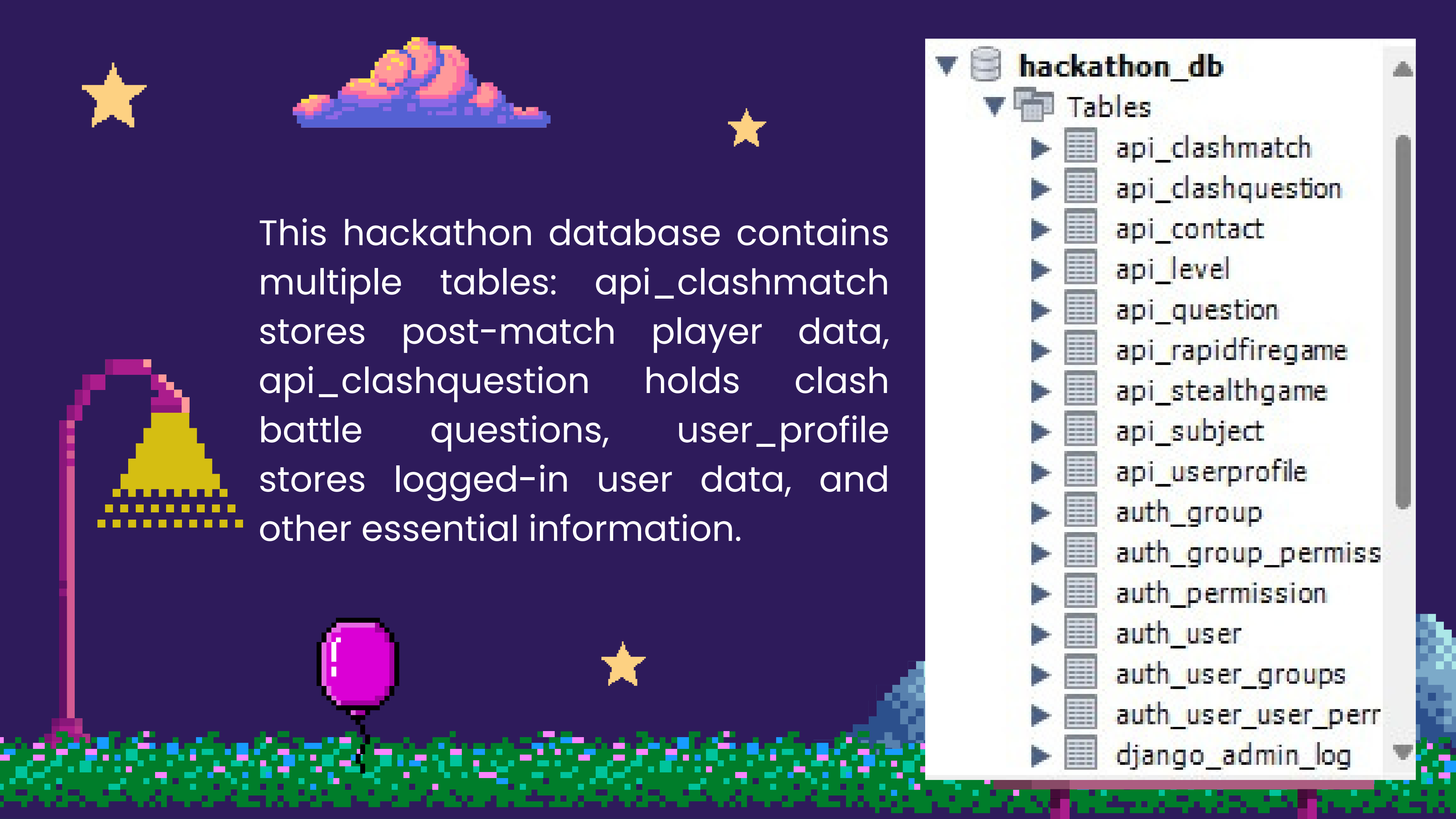
Narendra Patel

✉ alenway97@gmail

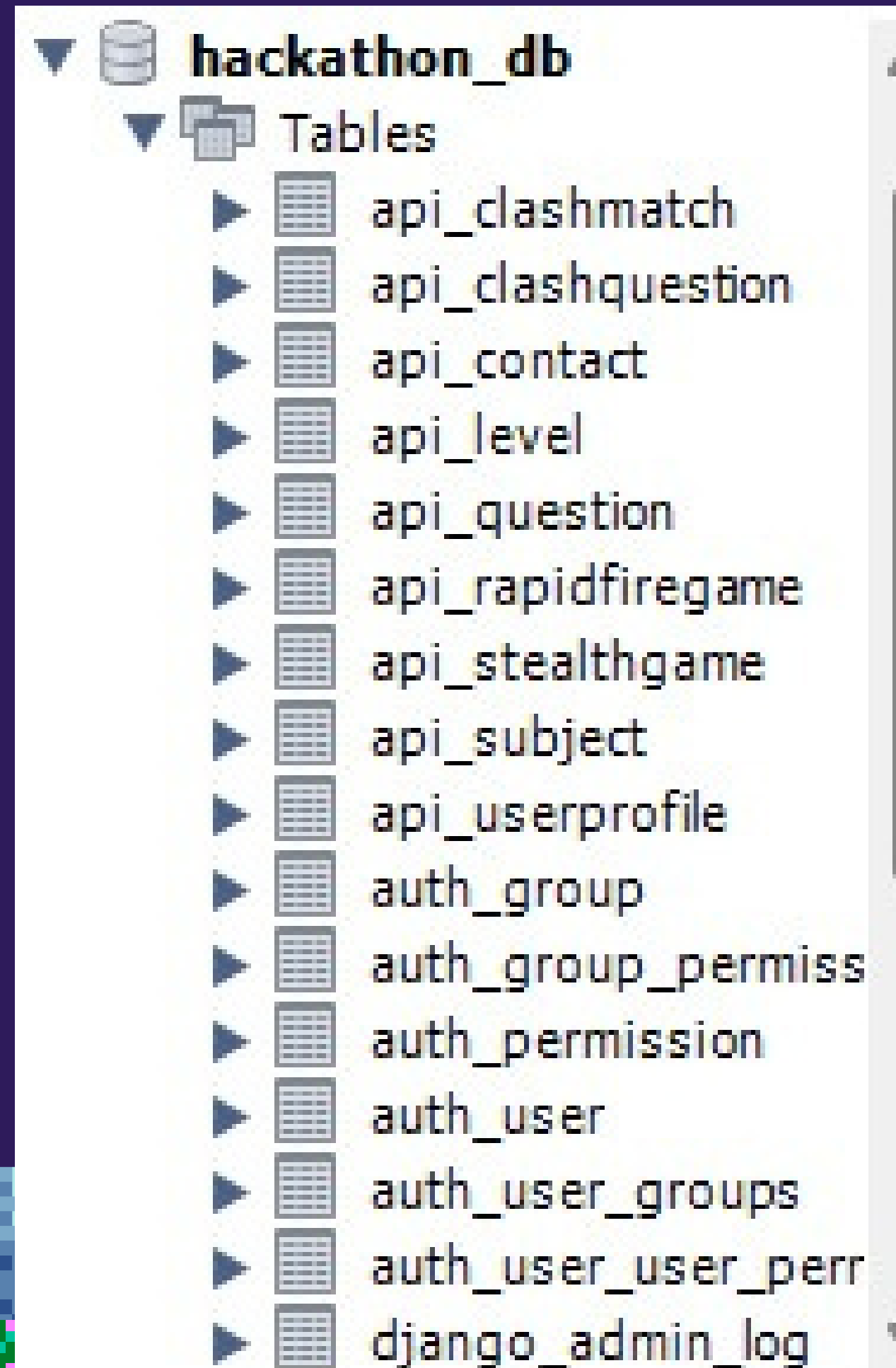
About

Hi, I'm Narendra. I'm a frontend developer working with React.js. In this project, I handle the frontend and use UI libraries like Tailwind CSS to create beautiful and interactive designs. I enjoy crafting user-friendly interfaces that enhance the overall user experience.

[Contact Me](#)



This hackathon database contains multiple tables: `api_clashmatch` stores post-match player data, `api_clashquestion` holds clash battle questions, `user_profile` stores logged-in user data, and other essential information.



| hackathon_db | |
|--------------|-----------------------|
| Tables | |
| ▶ | api_clashmatch |
| ▶ | api_clashquestion |
| ▶ | api_contact |
| ▶ | api_level |
| ▶ | api_question |
| ▶ | api_rapidfiregame |
| ▶ | api_stealthgame |
| ▶ | api_subject |
| ▶ | api_userprofile |
| ▶ | auth_group |
| ▶ | auth_group_permission |
| ▶ | auth_permission |
| ▶ | auth_user |
| ▶ | auth_user_groups |
| ▶ | auth_user_user_perr |
| ▶ | django_admin_log |

Result Grid

Filter Rows:

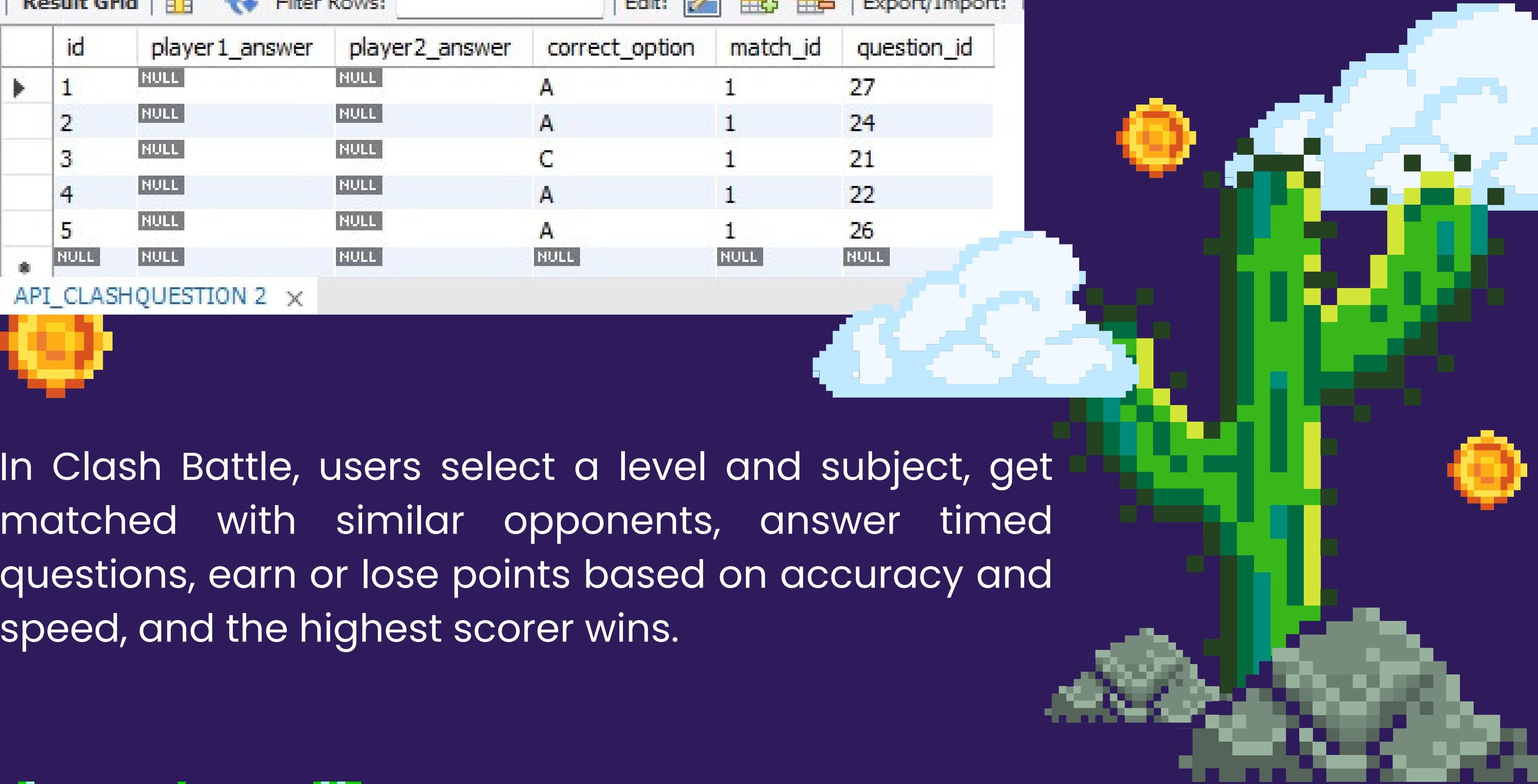
Edit:

Export/Import:

| | id | player1_answer | player2_answer | correct_option | match_id | question_id |
|---|------|----------------|----------------|----------------|----------|-------------|
| ▶ | 1 | NULL | NULL | A | 1 | 27 |
| | 2 | NULL | NULL | A | 1 | 24 |
| | 3 | NULL | NULL | C | 1 | 21 |
| | 4 | NULL | NULL | A | 1 | 22 |
| | 5 | NULL | NULL | A | 1 | 26 |
| ● | NULL | NULL | NULL | NULL | NULL | NULL |

API_CLASHQUESTION 2 ✕

In Clash Battle, users select a level and subject, get matched with similar opponents, answer timed questions, earn or lose points based on accuracy and speed, and the highest scorer wins.



Site administration

| API | | |
|-----------------|-----------------------|------------------------|
| Clash matches | + Add | Change |
| Clash questions | + Add | Change |
| Contacts | + Add | Change |
| Levels | + Add | Change |
| Questions | + Add | Change |
| Subjects | + Add | Change |
| User profiles | + Add | Change |

AUTHENTICATION AND AUTHORIZATION

| | | |
|--------|-----------------------|------------------------|
| Groups | + Add | Change |
| Users | + Add | Change |

Recent actions

My actions

None available

This Django admin panel helps us monitor APIs and manage registered users, providing an efficient way to track system activity and user data within our application.

Action:

Go

 0 of 10 selected

| <input type="checkbox"/> | USERNAME | EMAIL ADDRESS | FIRST NAME | LAST NAME | STAFF STATUS |
|--------------------------|------------|---------------------|------------|-----------|--------------|
| <input type="checkbox"/> | kik | nandrki@gmail.com | - | - | ✖ |
| <input type="checkbox"/> | kiku | kiku@gmail.com | - | - | ✖ |
| <input type="checkbox"/> | kikuo | kikuo@gmail.com | - | - | ✖ |
| <input type="checkbox"/> | kk | nandrki@gmail.com | - | - | ✖ |
| <input type="checkbox"/> | Narendra | nandri@gmail.com | - | - | ✖ |
| <input type="checkbox"/> | riya | riya@example.com | - | - | ✖ |
| <input type="checkbox"/> | shivam1223 | shivam1@example.com | - | - | ✖ |
| <input type="checkbox"/> | Shuklaji | ss5197069@gmail.com | - | - | ✔ |
| <input type="checkbox"/> | testuser | test@example.com | - | - | ✖ |
| <input type="checkbox"/> | xyz | xyz@example.com | - | - | ✖ |

We have full access to all users, allowing us to delete them or edit their credentials as needed.

SAMPLE GAMES

🎮 Game 1: Stealth Mode

A test of endurance and accuracy

The user answers a continuous stream of questions until a wrong answer is given. The game ends instantly on the first incorrect response, encouraging focus and precision.

⚡ Game 2: Rapid Fire

A battle against the clock

Users must answer as many questions as possible within a set time limit. Each wrong answer incurs negative marking, making speed and accuracy equally important for high scores.

🎲 Game 3: Truth or Dare

Learning with a twist of fate

Players spin a wheel or flip a coin to choose between Truth or Dare:

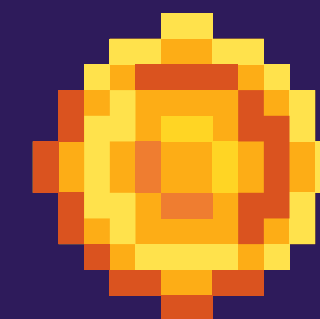
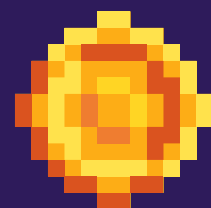
- Truth: A yes/no question is asked.
 - If "Yes," follow-up questions are presented.
 - If "No," a knowledge screen appears. The user must study and write the solution in a virtual notepad before submitting.
- Dare: A mission-based challenge such as writing a 400-word essay, solving a coding task, or achieving a minimum score in another game.

SOCIAL IMPACT

- 1.Reduces Education Inequality
- 2.Promotes Digital Literacy
- 3.Supports Rural Education
- 4.Encourages Youth Skill Development
- 5.Fosters Inclusive Learning Communities
- 6.Bridges Technology and Education Gap
- 7.Empowers Future Workforce
- 8.Promotes Education as a Lifestyle

FUTURE SCOPE

- AI-based recommendation engine
- Community features (peer challenges, forums)
- Support for teachers to create custom quests
- VR/AR Integration for immersive learning



THANKYOU FOR
PLAYING

