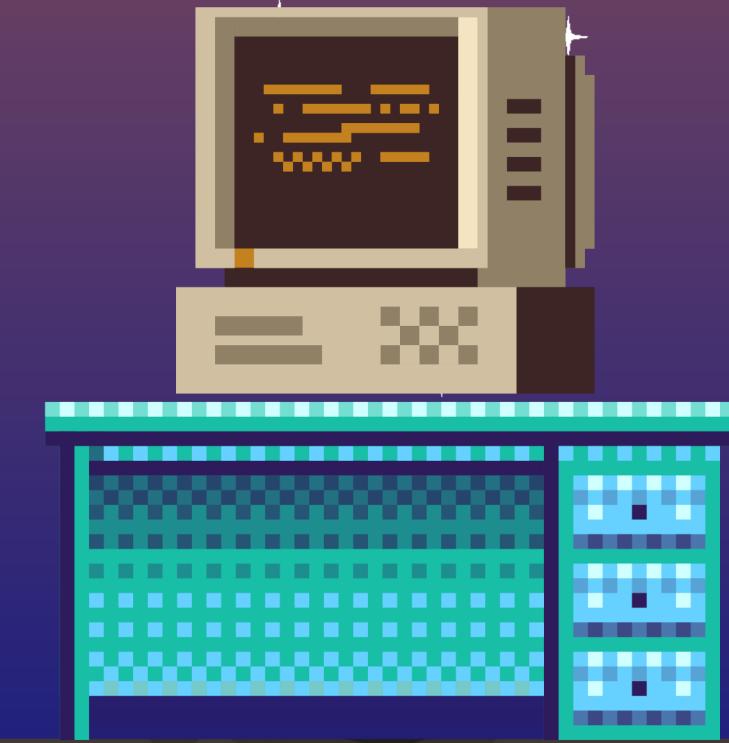


LET'S PLAY



# CODEQUEST



Welcome to CodeQuest, a website designed to help players learn to code through fun and engaging games.

Our mission is to make coding education accessible and enjoyable for everyone, regardless of their experience level.

# CONCEPT:

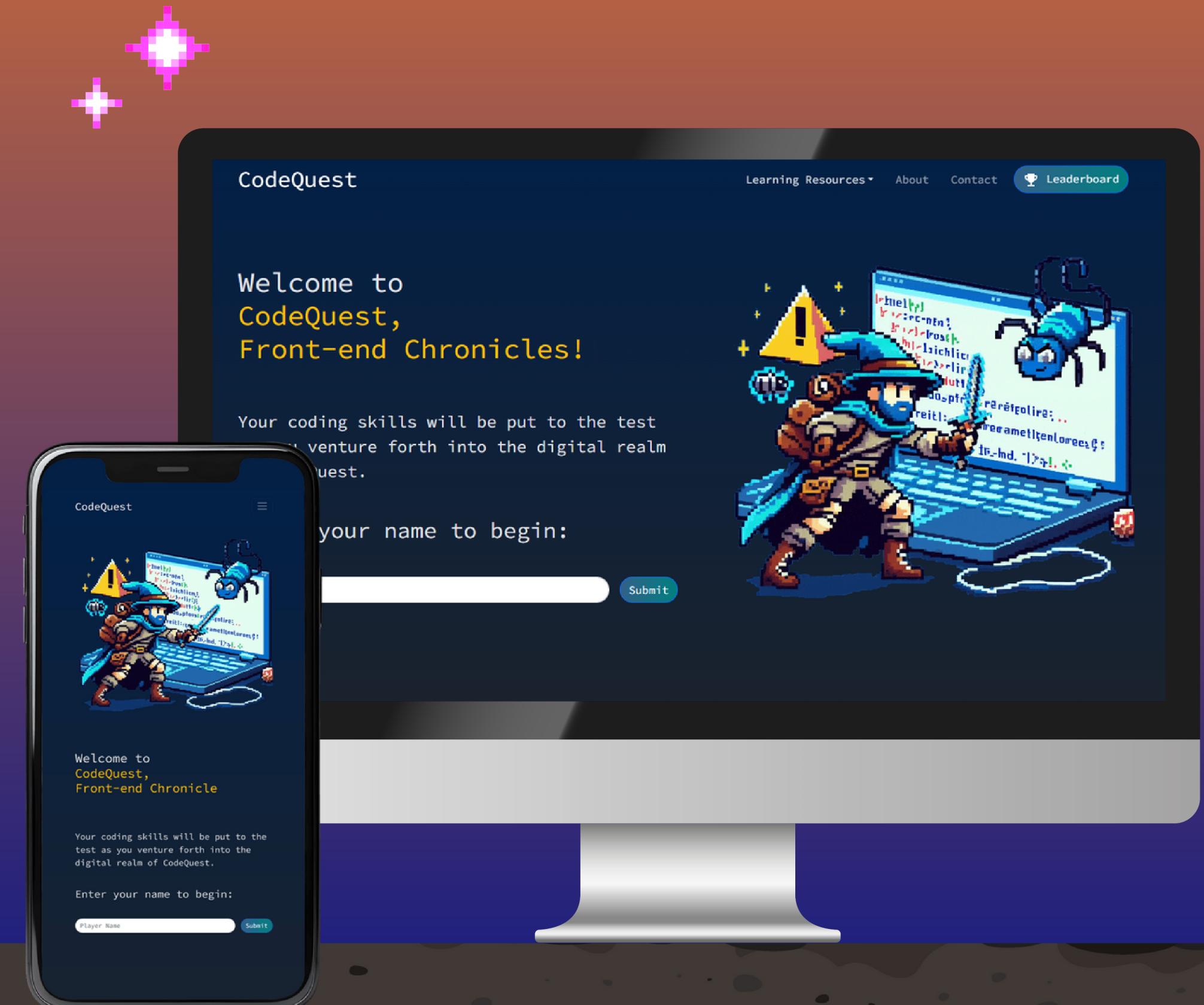


## DESCRIPTION:

### CODING GAME:

CodeQuest features a game with three levels that test the players' knowledge of JavaScript, HTML and Bootstrap.

Each level is designed with a different art style and answer method. Top scores are presented in a leaderboard using Supabase as a database.



# CONCEPT:

## DESCRIPTION:

### LEARNING RESOURCES:

#### GitHub Explorer:

Find interesting project repositories in your programming language of choice. It sorts the search results by the top 20 most starred repos.

The screenshot shows the CodeQuest website's GitHub Explorer feature. At the top, there are dropdown menus for 'Select Language:' (set to 'JavaScript') and 'Keyword Search (optional)' (set to 'pizza'), along with a large orange 'Explore' button. Below the search bar, four GitHub repository cards are displayed in a grid. Each card includes the repository name, a brief description, star and fork counts, a 'Deployed Project' link, and a 'View on GitHub' button. The repositories shown are: 'filepizza' (description: ':pizza: Peer-to-peer file transfers in your browser', stars: 4222, forks: 336), 'vue-pizza' (description: ':pizza: Example Vue 2 Project (a scalable Single Page App using Vue-cli, VueRouter, Vuex and more)', stars: 929, forks: 237), 'open-sauced' (description: 'This is a project to identify your next open source contribution.', stars: 913, forks: 846), and 'pizzaql' (description: ':pizza: Modern OSS Order Management System for Pizza Restaurants', stars: 687, forks: 71).

#### Video Courses:

Find full courses and tutorials from the Internet Archive, with a filter to search by the particular language or area of development you are interested in learning about.

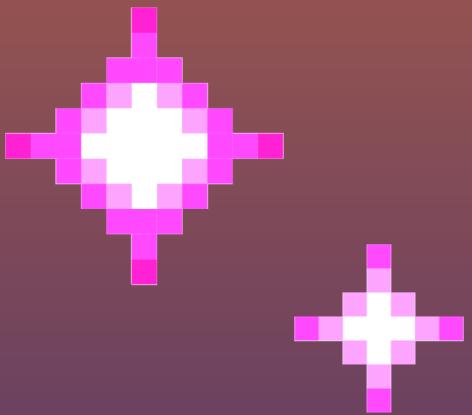
The screenshot shows the CodeQuest website's video courses section. At the top, there is a 'Featured Video' section for 'The Complete Web Developer Course, Zero to Mastery' by Udemy, with a 'Watch this course from Udemy to become a pro programmer.' link. To the right of this is a circular 'Course Outline' diagram titled 'The Complete Web Developer Course, Zero to Mastery'. The diagram is divided into several interconnected nodes representing different topics: 'Web Foundations' (with a foundation icon), 'HTML5' (with a document icon), 'CSS3' (with a stylized '3' icon), 'Bootstrap' (with a Bootstrap icon), 'React.js' (with a React icon), 'Databases' (with a database icon), 'Production' (with a production icon), 'NPM / NPM Scripts' (with an npm icon), 'Node.js' (with a node.js icon), 'Git / Github' (with a git icon), 'JavaScript' (with a JS icon), 'CSS Grid' (with a CSS grid icon), 'Careers' (with a person icon), and 'Developer Environment' (with a developer environment icon). Below the course outline is a 'Programming Videos' section with a 'Filter:' dropdown set to 'All'.

# CONCEPT:



## MOTIVATION FOR DEVELOPMENT:

We wanted to work on something fun for our final project. We also wanted to try building something in React without lots of examples online that we could use for reference.



## USER STORY:

Whether you're a beginner just starting your coding journey or an experienced developer looking to refresh your knowledge, CodeQuest offers a fun way to test and build your skills.



# PROCESS:



## BREAKDOWN OF TASKS AND ROLES:

We worked on tasks on a case-by-case basis each day, depending on what was needed to progress the game design and functionality that day.

## CHALLENGES:

- Couldn't decide on what type of project to do initially!
- Finding different libraries and packages
- Mapping out the components and working on a more complex challenge in React



## SUCCESES:

- We have well functioning website!
- We can store data using Supabase
- Very few merge conflicts to resolve since the component nature of React made it easy to review pull requests



# TECHNOLOGIES:

## STYLE:

- React Bootstrap
- FontSource
- Material-UI
- Microsoft Designer
- Popper Js
- Slick Carousel
- Typewriter-effect package



## FUNCTIONALITY:

- React, React Router
- Node JS, Vite JS
- Git, GitHub
- Netlify
- Supabase
- UUID, React Hot Toast

## API:

- Internet Archive API
- GitHub Languages API
- Google Macros API

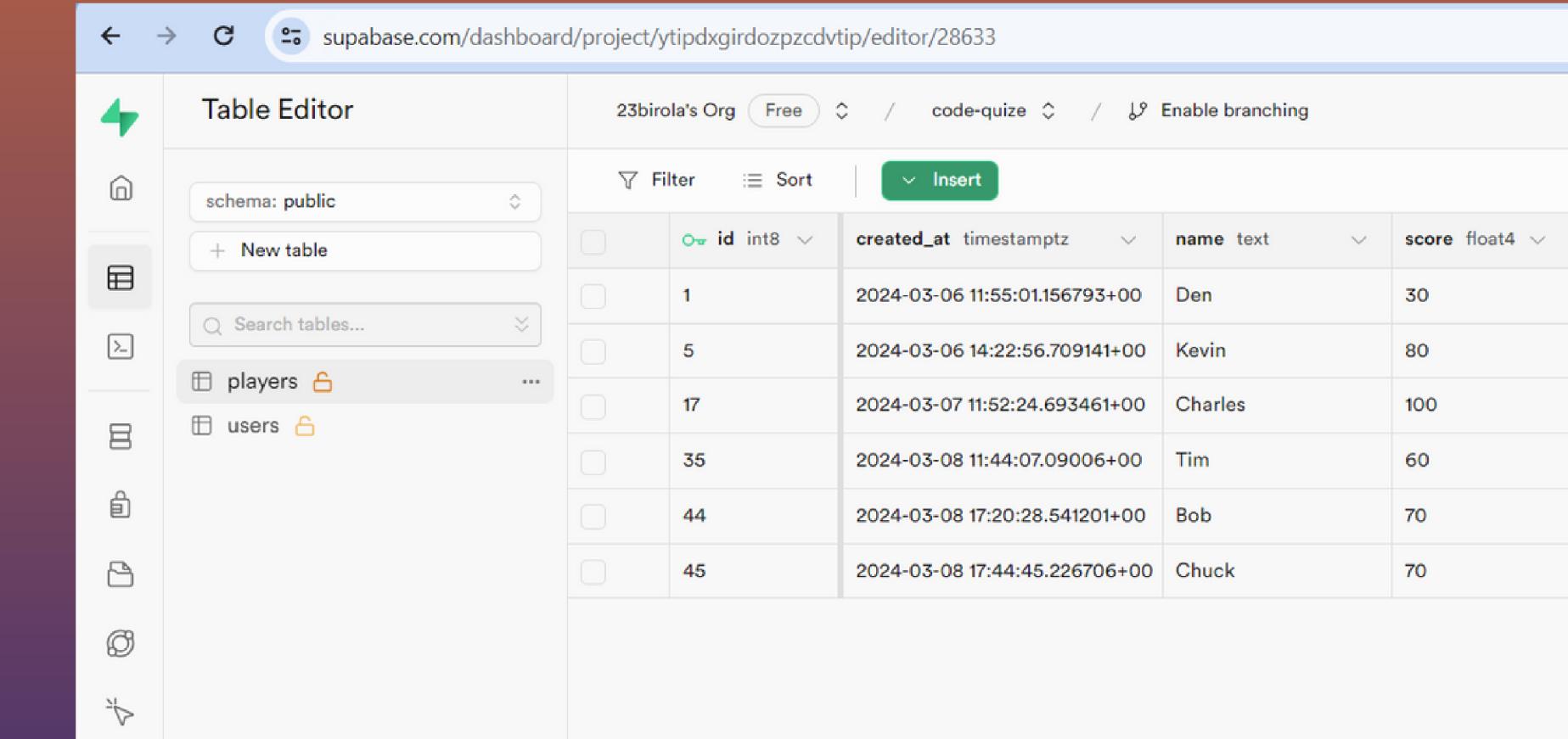


# TECHNOLOGIES:



**SUPABASE IS AN OPEN SOURCE  
FIREBASE ALTERNATIVE**

- makes it easy for developers to create applications quickly and efficiently
- utilizes PostgreSQL
- offers robust and intuitive documentation built right in
- offers real-time data updates



A screenshot of the Supabase Table Editor interface. The URL in the browser bar is supabase.com/dashboard/project/ytipdxgirdozpzcdvtip/editor/28633. The page title is "Table Editor". On the left, there's a sidebar with icons for home, schema, tables, search, and two specific tables: "players" and "users". The main area shows a table with the following data:

	<code>id</code> int8	<code>created_at</code> timestampz	<code>name</code> text	<code>score</code> float4
	1	2024-03-06 11:55:01.156793+00	Den	30
	5	2024-03-06 14:22:56.709141+00	Kevin	80
	17	2024-03-07 11:52:24.693461+00	Charles	100
	35	2024-03-08 11:44:07.09006+00	Tim	60
	44	2024-03-08 17:20:28.541201+00	Bob	70
	45	2024-03-08 17:44:45.226706+00	Chuck	70



# DEMO

[LET'S GO!](#)



# GOOGLE SHEETS DATA

The subscription input validates emails and, if the submitted email is valid, it is stored on a Google sheets, by using Google Apps Script.

Newsletter contact list Saving...

File Edit View Insert Format Data Tools Extensions Help

C16

	A
1	Email
2	des@gmail.com
3	You@gmail.com
4	hhgete@gmail.com
5	aigt@gmail.com
6	thgfeedd@gmail.com
7	ddeffs@gmail.com

Apps Script

Code.gs

# DIRECTIONS FOR FUTURE DEVELOPMENT



-  Add more code game levels  
(games about React, Tailwind, etc.)
-  Add character avatars that the player can customize
-  Player can choose the theme of design



# GAME OVER



[GITHUB.COM/AOIFEEDX/CODE-QUEST](https://github.com/Aoifeedx/Code-Quest)



[CODEQUEST-GAME.NETLIFY.APP](https://codequest-game.netlify.app)

