AI-powered Children's Simple Story Generator

DTC T4p

Group Members:
Collin Chan (Worked on frontend and backend processes)
Kate Sullivan (Research, project management, Frontend)
Charlie Zhang (Frontend, Systems)
Ehsan Emadi (Frontend/Authentication, Project Coordination)

Project Idea:
Our original plan was to create a wildlife detection system using an image recognition model to identify animals through a camera feed. However, after exploring available models on HuggingFace, we found that most were too large and costly to host within our budget.
To keep AI in our project, we pivoted to a simpler approach: using a text generation model to create short, AI-generated stories for kids. We chose the Tincando Fiction Story Generator because it's more manageable in size. While the stories aren't perfect, they sometimes lack coherence or aren't entirely kid-friendly, the model effectively demonstrates how AI can generate content. The code is also flexible, allowing us to easily upgrade to more advanced models in the future if needed.

HuggingFace Model Link:
https://huggingface.co/Tincando/fiction_story_generator

Project Link:
https://html-starter-inky-alpha.vercel.app/

Login Page:
https://html-starter-inky-alpha.vercel.app/login

How to login:
Admin-id: admin@admin.com
Admin-pass: 111

User-id: john@john.com
User-pass: 123

API Documentation Page:
https://client-app-ebon.vercel.app/API/v1/docs

Microservices Architecture:
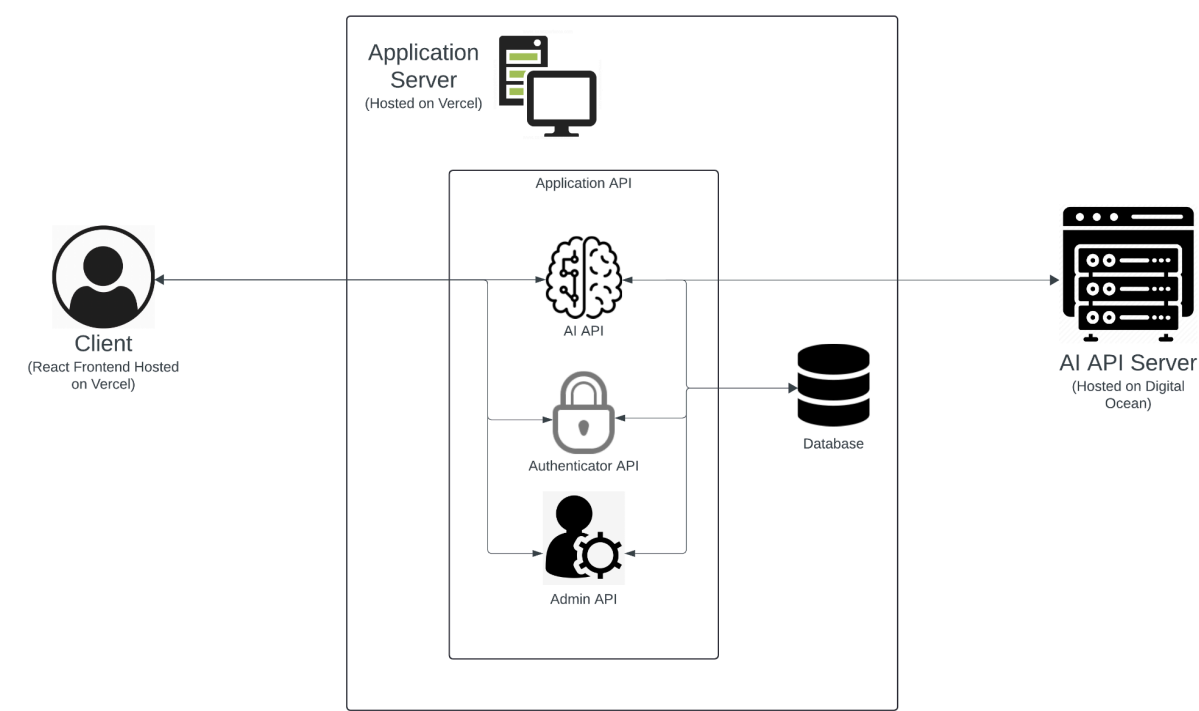
Entity Relationship Model:

endpoint_usage	
id (PK)	number
endpoint	string
method	string
requests	number

Users	
username (PK)	string
hash	string
salt	string
permission	string

api_usage	
id (PK)	number
username (FK)	string
api_calls	number

forgot_password	
id (PK)	number
username (FK)	string
hash	string
created_at	datetime

stories	
id (PK)	number
username (FK)	string
title	string
content	string
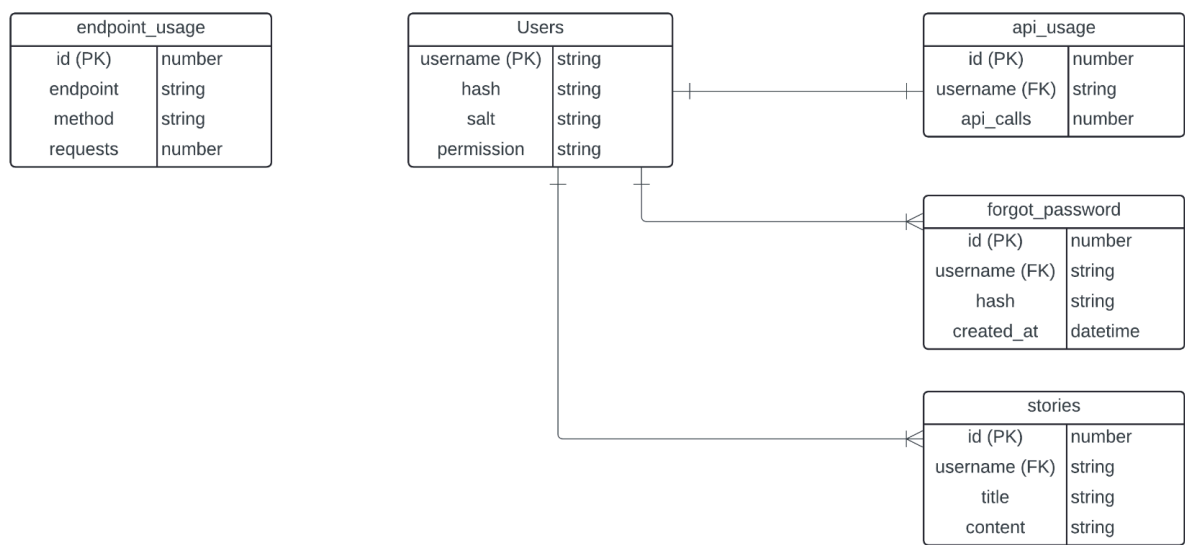
Database Tables:

api_usage table

id	username	api_calls
1	admin@admin.com	112
2	new@new.com	30
3	john@john.com	27
5	test1434324@outlook.com	31
NULL	NULL	NULL

endpoint_usage table

id	endpoint	method	requests
1	/API/v1/story	PUT	1
2	/API/v1/story	POST	2
3	/API/v1/story	GET	58
4	/API/v1/story	DELETE	1
5	/API/v1/login	POST	29
6	/API/v1/logout	POST	13
7	/API/v1/api	POST	3
8	/API/v1/api-calls-user	GET	68
9	/API/v1/signup	POST	2
10	/API/v1/api-calls	GET	45
11	/API/v1/api-calls-endpoint	GET	45
12	/API/v1/forgot-password	POST	3
13	/API/v1/reset-password	POST	2
NULL	NULL	NULL	NULL

forgot_password table

id	username	hash	created_at
1	test1434324@outlook.com	475ca27dd58bb47685f62626cd67b07d	2024-11-24 07:50:53
2	test1434324@outlook.com	9d19b952c7b42ed53453230da1167803	2024-11-24 07:54:52
3	test1434324@outlook.com	6abbb9c4e6857b0e9f7843290b1bcd5e	2024-11-24 07:55:41
NULL	NULL	NULL	NULL

stories table

id	username	title	content
1	john@john.com	a knight	a knight finds a princess who is kidnapped and is forced to fight fo…
NULL	NULL	NULL	NULL

users table

id	username	hash	salt	permissions
8	admin@admin.com	11b66b2c8c5cd75b57980122ca67c8448dfbaa8…	82cae6d47405cf17d96e7bcdf9cc9b03	ADMIN
9	new@new.com	07d8f7aa24dd63b6d899c6cd1e5c1b2503d55fa…	7f6e138075490bx91c541fcfcc3c4348	USER
10	john@john.com	159899767a5101b01f2211093f0b55027353dd5…	1cacd7740fc7b22c782972b4718956ae	USER
12	test1434324@outlook.com	92a3e142915d03ddeae1346d9b1906c6463ff8f…	00d9f95bc3f3f71c5604cf0a87360d69	USER
NULL	NULL	NULL	NULL	NULL

HTTP Requests:

Tutorial: Using a Lambda fun... | Working with Transactions a... | Vite + React + TS | Google | AI Project

html-starter-inky-alpha.vercel.app

macos - Environm... | macos - ZSH: .zpr... | Script managemen... | macos - Why does... | Cloud Computing... | British Columbia In... | cc-dev-65535 (CC) | Google

Story Generator App — Logged in as: admin@admin.com

Admin Home

Admin Dashboard

API Usage

Username	API Calls
admin@admin.com	116
new@new.com	37
john@john.com	38
test1434324@outlook.com	31

Endpoint Usage

Endpoint	Method	Requests
/API/v1/story	PUT	1
/API/v1/story	POST	2

Elements Console Sources Network Performance Memory

⚠ 3 ⊘ 3

Preserve log Disable cache No throttling

Filter Invert More filters

All Fetch/XHR Doc CSS JS Font Img Media Manifest WS Wasm Other

500 ms 1000 ms 1500 ms 2000 ms 2500 ms 3000 ms 3500 ms 4000 ms 4500 ms 5000 ms 5500 ms 6000 ms

Name
5834.b5ad7bf67ee72cbea07c.js
toolbar.7107631643e016f6ec07.js
feedback.html
jwe
login-check
favicon.ico
validate?hostname=html-starter-inky-alpha...
login-check
api-calls
api-calls-endpoint
fonts
team-members
7319.1cdbae9182e9b0605756.js
5440.759c2189712d168905dd.js
7687.6ff270f88353661af6cb.js
898.02c963cda150c8106d17.js
8845.5b5f7dcc8f6b09e0bd99.js
5809.c3c888156e32dc9bd7c1.js
3586.f8f690c1f0ce87dd55d6.js
2574.168834d1eac10ad8bc1f.js
1013.5bd0bc1188c2c77ec59b.js
4960.b26bf182f081cf5b8322.js
get-recent-flag-overrides

50 requests 11.0 kB transferred 4.7 MB reso

X Headers Preview Response Initiator Timing Cookies

▼ General

Request URL: https://client-app-ebon.vercel.app/API/v1/api-calls-endpoint

Request Method: GET

Status Code: ● 200 OK

Remote Address: 76.76.21.241:443

Referrer Policy: origin-when-cross-origin

▼ Response Headers

Access-Control-Allow-Credentials: true

Access-Control-Allow-Origin: https://html-starter-inky-alpha.vercel.app

Age: 0

Cache-Control: public, max-age=0, must-revalidate

Content-Length: 907

Content-Type: application/json; charset=utf-8

Date: Mon, 25 Nov 2024 00:38:33 GMT

Etag: W/"38b-Bxaf13XwKKrI/w3Y6ELZ4I//aE8"

Server: Vercel

Strict-Transport-Security: max-age=63072000; includeSubDomains; preload

Vary: Origin

X-Powered-By: Express

X-Vercel-Cache: MISS

Console What's new AI assistance Issues

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500 ms 1000 ms 1500 ms 2000 ms 2500 ms 3000 ms 3500 ms 4000 ms 4500 ms 5000 ms 5500 ms 6000 ms

Name
5834.b5ad7bf67ee72cbea07c.js
toolbar.7107631643e016f6ec07.js
feedback.html
jwe
login-check
favicon.ico
validate?hostname=html-starter-inky-alpha...
login-check
api-calls
api-calls-endpoint
fonts
team-members
7319.1cdbae9182e9b0605756.js
5440.759c2189712d168905dd.js
7687.6ff270f88353661af6cb.js
898.02c963cda150c8106d17.js
8845.5b5f7dcc8f6b09e0bd99.js
5809.c3c888156e32dc9bd7c1.js
3586.f8f690c1f0ce87dd55d6.js
2574.168834d1eac10ad8bc1f.js
1013.5bd0bc1188c2c77ec59b.js
4960.b26bf182f081cf5b8322.js
get-recent-flag-overrides

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Request URL: https://client-app-ebon.vercel.app/API/v1/api-calls

Request Method: GET

Status Code: ● 200 OK

Remote Address: 76.76.21.241:443

Referrer Policy: origin-when-cross-origin

▼ Response Headers

Access-Control-Allow-Credentials: true

Access-Control-Allow-Origin: https://html-starter-inky-alpha.vercel.app

Age: 0

Cache-Control: public, max-age=0, must-revalidate

Content-Length: 225

Content-Type: application/json; charset=utf-8

Date: Mon, 25 Nov 2024 00:38:33 GMT

Etag: W/"e1-zNIYIXnck9W8UvGvoRgyZWIE+r8"

Server: Vercel

Strict-Transport-Security: max-age=63072000; includeSubDomains; preload

Vary: Origin

X-Powered-By: Express

X-Vercel-Cache: MISS

X-Vercel-Id: pdx1::iad1::66cqs-17324

Console What's new AI assistance Issues