Integrating a front-end application with a Backerd Server:

> Understanding RESTful APLS

- · REST(Representational State Transfer) is an architectural style for designing networked applications.
- CRUD (CHeate, Read, update, Delete) operations

Key Characteristics:-

- · Stateless- Each API call is independent, with no started context on server b/w requests.
- Resource Bossed: Each liece of data (mesource)

 1st redestified by a URL
- · Methods: Common HTTP methods include GET, POST, PUT, DELETE.

1

- -) Making Examples of RESTFUL API Endpoints.
 - · GET/ users: Retrieve a list of users
 - · POST / wers: Create a new user
 - · GIET /wers/lidy: Retrieve a specific user by ID.
 - · PUT /wers/2/dy: Update a specific user by ID
 - · DELETE / users Kirdy. Delete a specific user by ID
- -> Making API calls from the Fronterd
 - · Tools & L'brevier
 - Fetch API A buit in JavaSwipt method for making HTTP requests
 - Axios:
 A popular library for making ATTP requests, offering or more fowerful & flexible API compared to fetch API.

Code example using Fetch API:-

fetch C'https://api. example .com/useus')

- . then (response => response. joons)
- · then (data => console.log (data))
- · catch (ever => console. ever ('Exerci', ever)).

Explanation.

The 'fetch' function makes a GET request to the specified URL. The response is then converted to JSON 4 logged to the console.

Code Example using Axios:

import axion from 'axios';

axios. get ('https:// api, example.com/wews')

- then (Hesponse ⇒ of
 Console · log (Hesponse · data);
 4)
- · catch (everor => {

 console · everor ('Exerci', everor);

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Explon atron:

The 'axion get' method makes a GET request to the specified URL.

The response data is logged to the console