

✅ 1. GitHub User Explorer (Beginner)

Description:

Search for a GitHub username and view their profile + list of public repos.

What You'll Learn:

- Basic useQuery usage
- Dependent queries (repos after profile)
- Query parameters (username search)
- Error handling

API:

- <https://api.github.com/users/{username}>
- <https://api.github.com/users/{username}/repos>

Bonus Ideas:

- Pagination on repos
 - Sort by stars/forks
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🔑 GitHub REST API Base URL

<https://api.github.com>

🚀 Core Endpoints You'll Need

1. User Info

- **GET** /users/{username}
- Example: <https://api.github.com/users/s3nsh1-dev>
- **Gives:** avatar, name, bio, public repos, followers, etc.

2. User Repositories

- **GET** /users/{username}/repos
- Example: <https://api.github.com/users/s3nsh1-dev/repos>
- **Gives:** repo list, stars, forks, description, etc.

3. Repository Details

- **GET** /repos/{username}/{repo}
- Example: <https://api.github.com/repos/s3nsh1-dev/todo-list>
- **Gives:** single repo info like language, visibility, stars, etc.

4. Repository Languages

- **GET** /repos/{username}/{repo}/languages
- Shows which languages are used in a repo.

5. Followers / Following

- **GET** /users/{username}/followers
- **GET** /users/{username}/following
- For listing followers/following (optional).

6. Rate Limit (for debugging)

- **GET** /rate_limit
- To check your API quota and usage.



Authentication (Optional but recommended)

- Unauthenticated: 60 requests/hour.
- Authenticated (via token): 5,000 requests/hour.
- Add this header in requests:

Authorization: Bearer YOUR_GITHUB_TOKEN



Tips for React Query + GitHub API

- Cache each user's info separately.
 - Use pagination for /repos (default is 30 per page).
 - Use `refetchOnWindowFocus: false` to reduce spam calls.
 - Handle loading & error states clearly (404 for invalid user, etc).
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Let me know if you want:

- React Query sample hooks for these endpoints
- Auth setup for GitHub token
- Error edge cases to handle in your UI

Ready when you are.