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Engineering Take Home Project: Develop an SDK for PokeAPI

For this project, envision yourself as a software engineer working with the launch team for a new API product: **PokeAPI**, a comprehensive database containing all the information you'll ever need about Pokémon!

Your assignment involves constructing an SDK (Software Development Kit) for this API, utilizing any programming language you're comfortable with. The main goal here is to make the API more user-friendly and easily accessible to developers. Here is an example of a SDK constructed in Python for Swagger's Petstore: https://github.com/speakeasy-sdks/template-sdk

Feel free to incorporate any libraries or tools, that may assist you in building the SDK. You may build this in a language of your choosing, but please avoid generating the main SDK via code generation tools.

Project Scope

The project involves working with the following endpoints from the PokeAPI: **https://pokeapi.co/docs/v2#pokemon**. Specifically, you'll need to cover (including pagination):

- `GET https://pokeapi.co/api/v2/pokemon/{id or name}/`

- `GET https://pokeapi.co/api/v2/generation/{id or name}/`

Time Commitment

We recommend spending no more than 4 hours on this project, although the typical time range reported by previous candidates is between 2-4 hours.

Submissions should be provided within a 72-hour timeframe as either a github repository or a zip folder of the sample sdk.

Key Guidelines

- Please ensure to include a README file alongside your SDK for user guidance. This should clearly detail the installation process, usage, and testing instructions for the SDK.

- Please add a section in the readme describing any critical design decisions you've taken or links to any tools used.

- Please design and implement an integration test that makes use of your SDK to send an API request and validate the response. Again, you are free to use any tool that you deem fit for this purpose.

- It's important to note that the SDK doesn't necessarily have to replicate the API exactly. You're encouraged to add abstractions and/or amalgamate different calls to enhance the functionality.

Link for candidates:

- https://docsend.com/documents/14857567
  - pswd: `ApisAllTheWayDown!`