



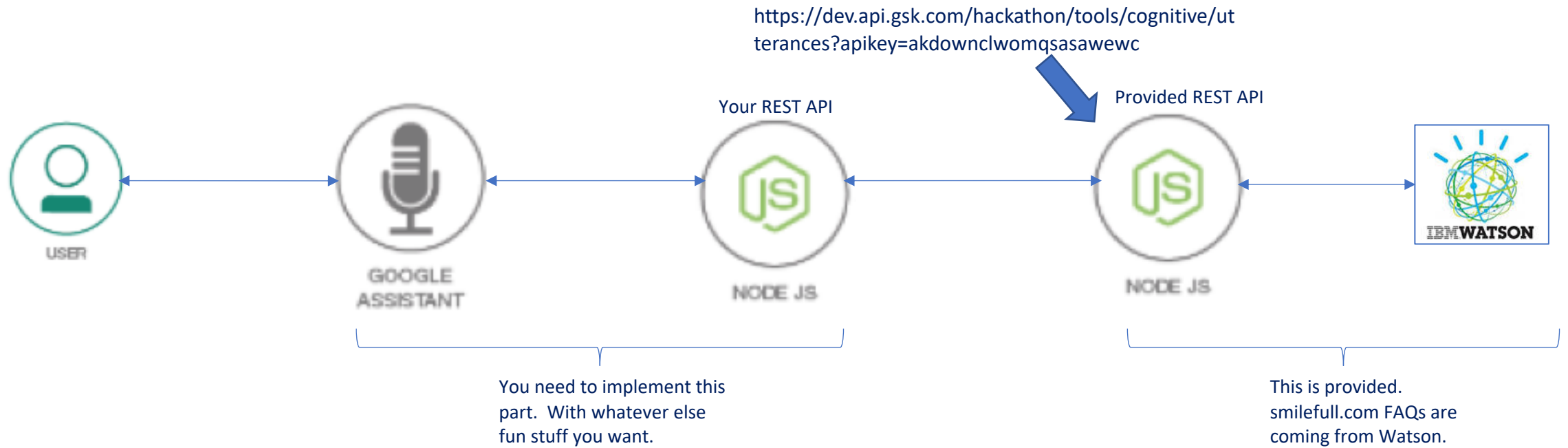
**Endpoint:** <https://dev.api.gsk.com/hackathon/tools/cognitive/utterances>

**ApiKey:** akdownclwomqsasawewc

**Business case:**

Analysis of usage data from GSK's *smilefull.com* blog has surprisingly revealed significant interest in denture information among millennials. Reliance on dentures to a millennial can impact self-confidence, strain social relationships and ultimately lead to depression. To better serve denture information to millennials we would like to create a Google Home enabled voice experience leveraging GSK's existing natural language conversation technology.

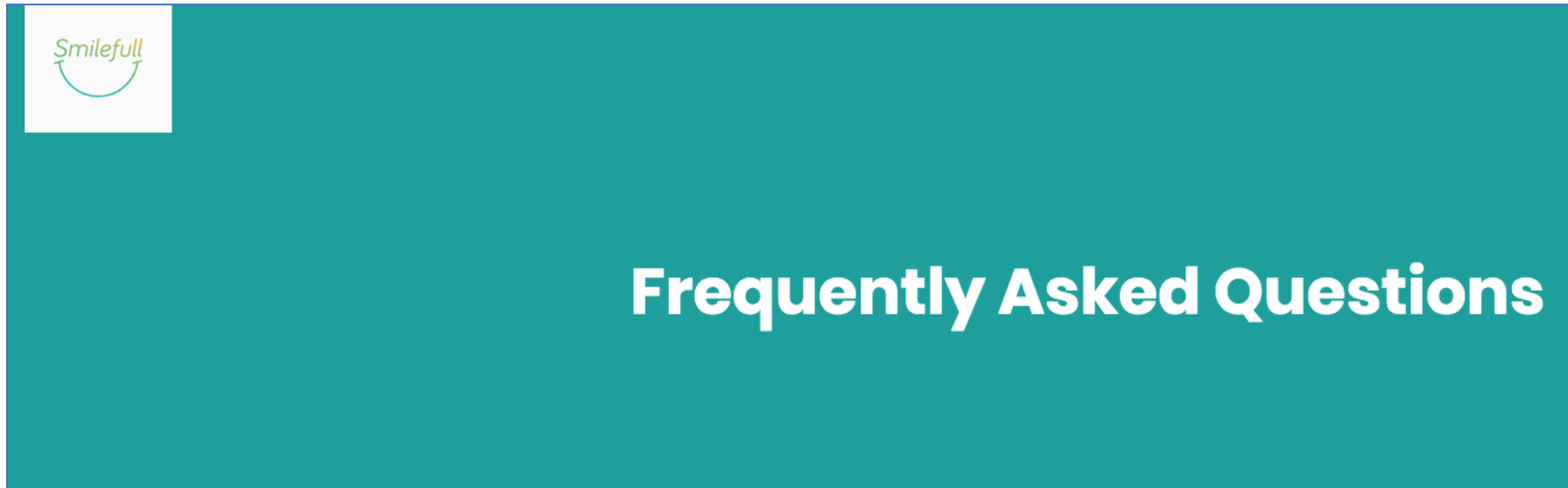
# High Level Architecture



- Your REST API does not need to be written in Node.js
- Your REST API needs to be available on the internet (i.e., not running locally on your laptop). One suggestion is to use Heroku. Details later on that.

The original data is from the smilefull FAQ page

<https://www.smilefull.com/frequently-asked-questions/>



# That data has been incorporated into IBM Watson Machine Learning Platform



This is what is meant when the Business Case refers to GSK's existing natural language conversation technology.

# Sample payload for calling Provided REST API

```
{  
  "workspace_id":"24245ae4-a6e3-4236-9557-96ee33616aef",  
  "context":{},  
  "input":{"text":"Will dentures change the way I look"}  
}
```

- You were given the swagger for this API. This is a concrete example of how to build the payload with a real question
- Always use that workspace\_id
- context can be empty
- Try this out in Postman (or your favorite REST tool) to get a feel for how it works and the response that you get back

# Using Heroku for your REST API

- Sign up for a free account – [heroku.com](https://heroku.com)
- Download the CLI
- Typical flow (Assuming you are inside a Node/Express project)
  - `heroku login`
  - `heroku create` - note the application name
  - `git init`
  - `heroku git:remote -a appName`
  - `git push heroku master` (after `git add/commit`)
  - `heroku logs -tail`

You do not have to use Heroku, but it is one way to deploy a REST API.