

BUILDING BARD-POWERED API APPLICATION

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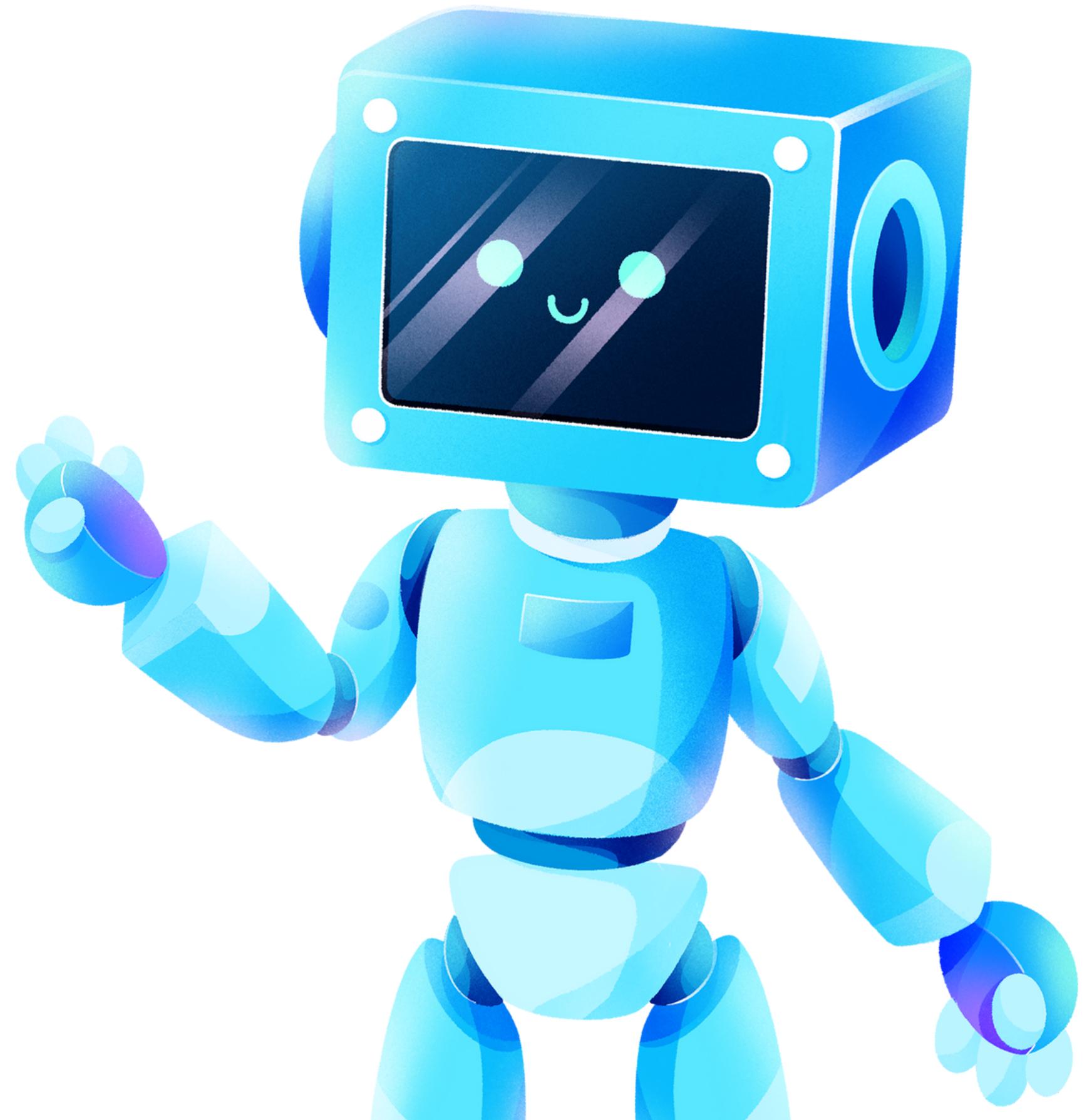




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INTRODUCTION TO THE BARD

- Bard is a powerful tool for accessing a vast repository of knowledge and information. It provides developers with access to a wide range of data, including text, images, and more, through a simple and intuitive API.
- With Bard, developers can integrate rich content and contextual information into their applications, enhancing user experiences and adding value to their products.



Application Programming Interfaces (APIs)

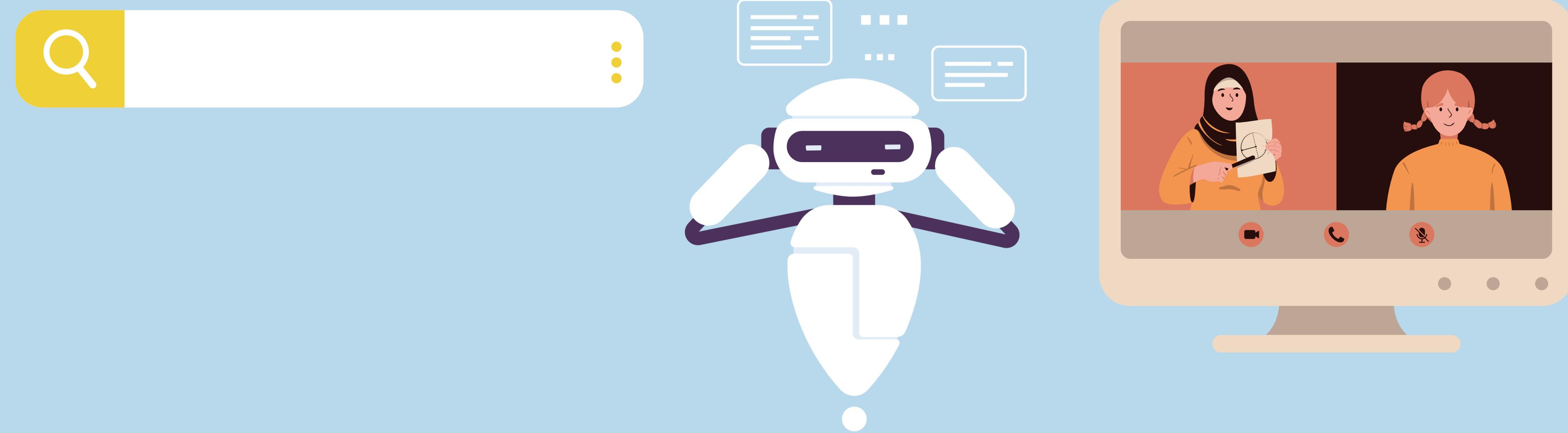
It's a set of rules, protocols, and tools that allow different software applications to communicate and interact with each other. APIs define how software components should interact, making it easier for developers to integrate different systems and services without needing to understand the underlying code.

APPLICATION THAT CAN BE BUILT WITH BARD API

Text search

Virtual Assistants

Learning platforms



KEY COMPONENTS OF AN API



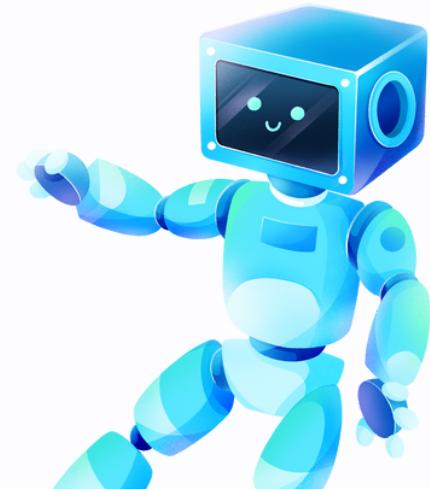
- API CLIENT

- API KEY

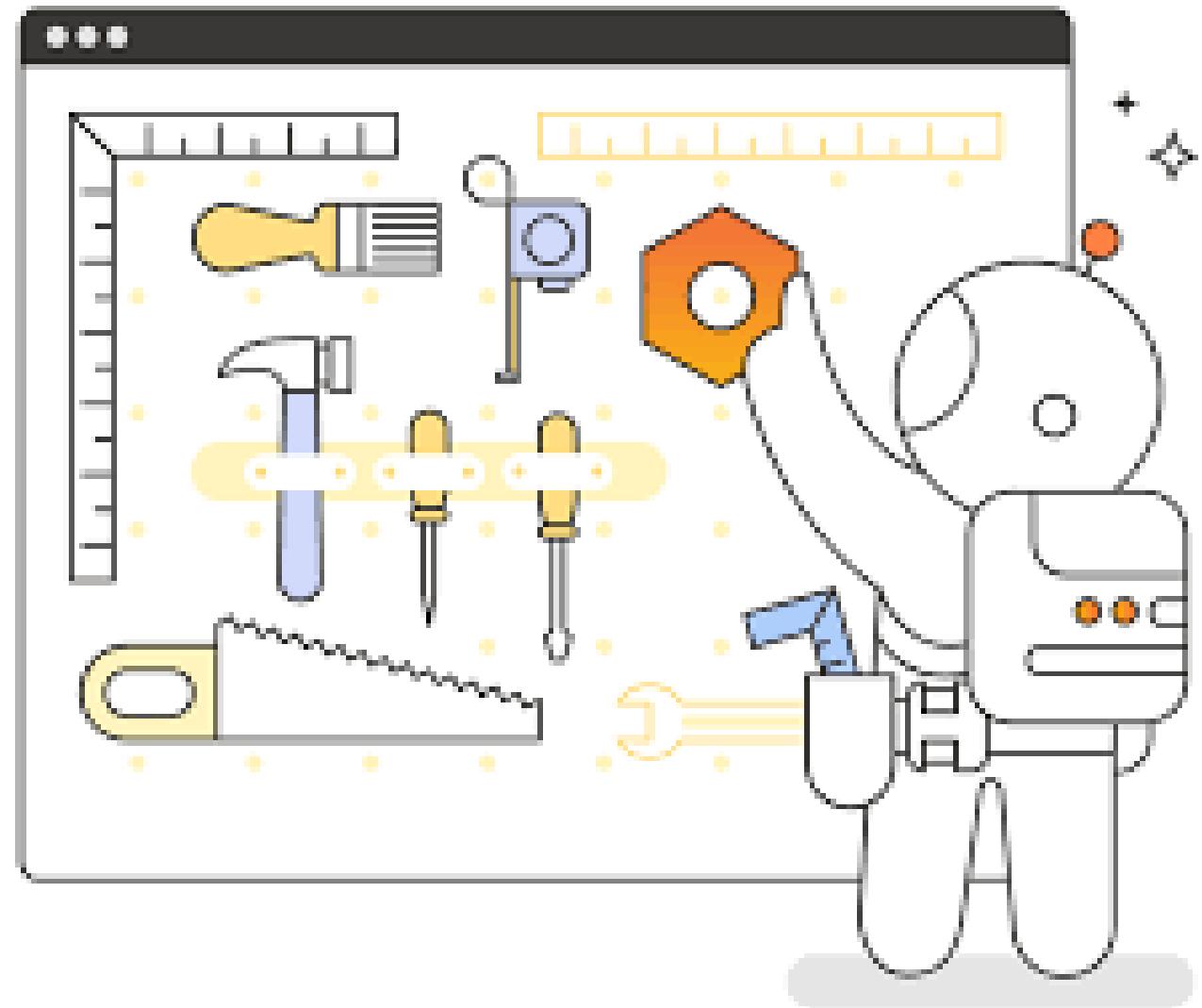
- API REQUESTS

- API SERVER

- API RESPONSE



API CLIENTS



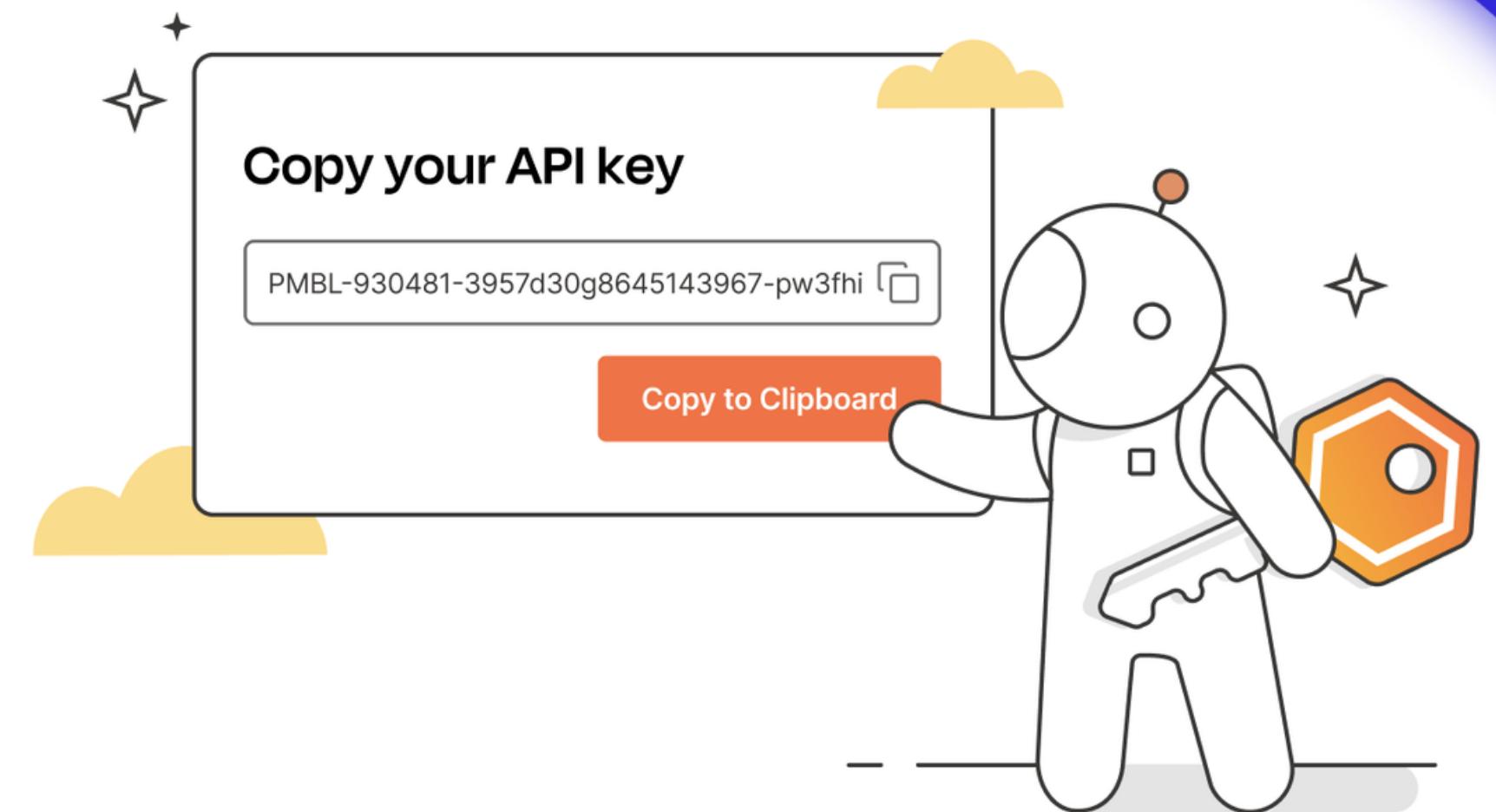
The API client can be triggered by a user clicking on a button, application, or service. The API client makes it easier for a person to use while hiding the complexities of the backend details.

An API clients can take various forms. Library or SDK, Command-Line Interface (CLI) Tool, Web-based Interface, Mobile Application.



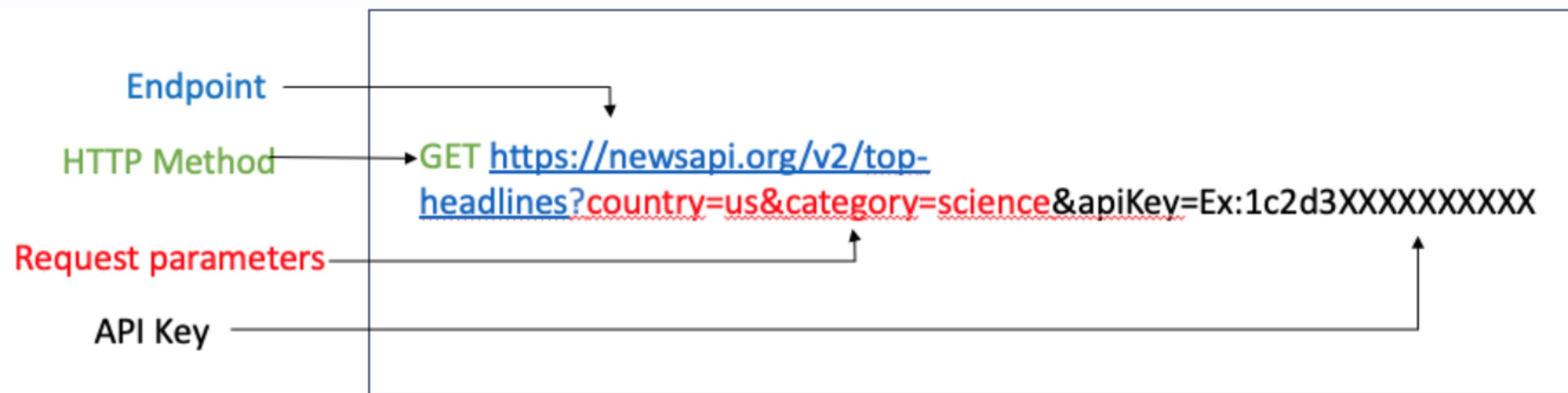
API KEY

A unique passcode containing letters and numbers that grants access to an API.



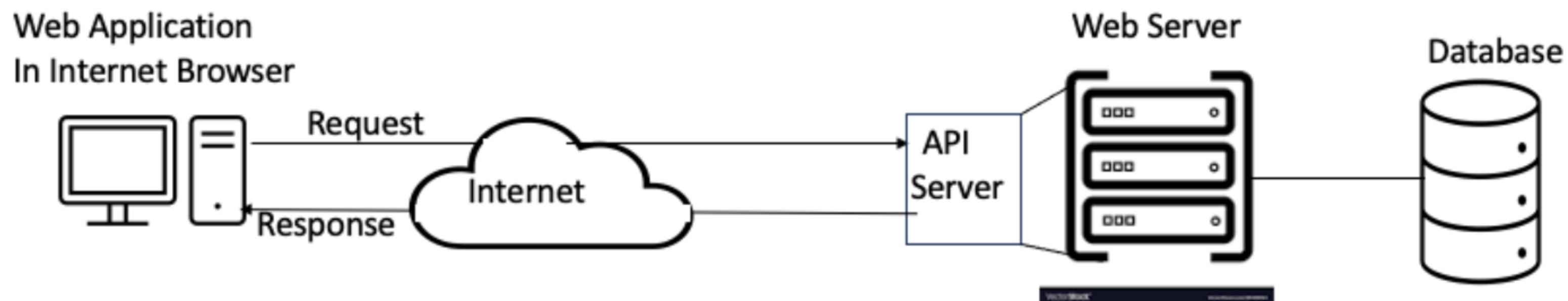
API REQUESTS

An API request is a message sent by one software application to another in order to retrieve or manipulate data or services. APIs allow different software systems to communicate and interact with each other.



API SERVER

The API server is software that resides directly on a server. The API server sits between the client and the data source, so web APIs sit between a user application and the web server. Once an API client creates an API request, the request goes to the appropriate endpoint on the API server for processing. The API server handles authentication, validates the inputted data, retrieves or manipulates the data from a database, and returns the appropriate response to the client.



HANDS-ON CODING EXERCISE



GROUP DISCUSSION



Q & A

THANK YOU!

