

{EPITECH}

{EPITECH}

T-DEV-600

Trelltech

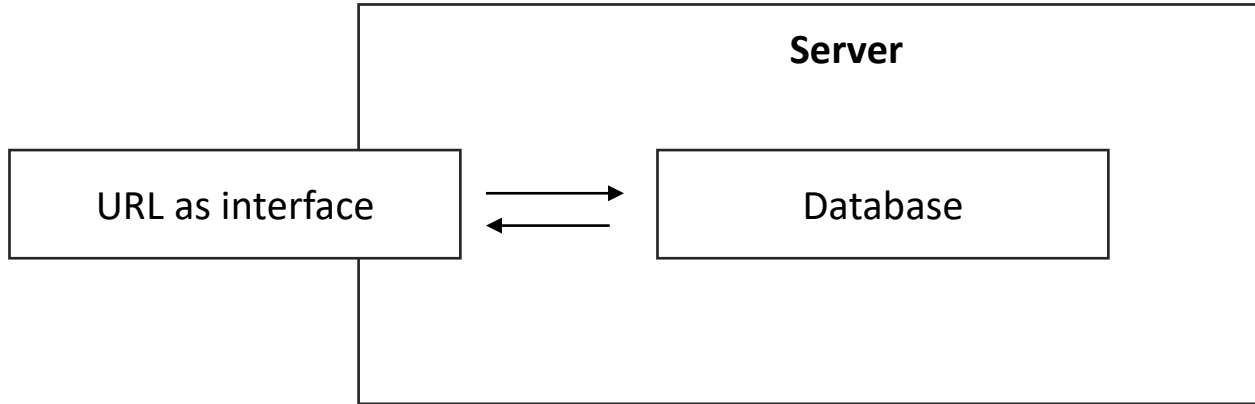
What is an API ?

} API



This machine uses an **interface** to retrieve **resources**.

} API

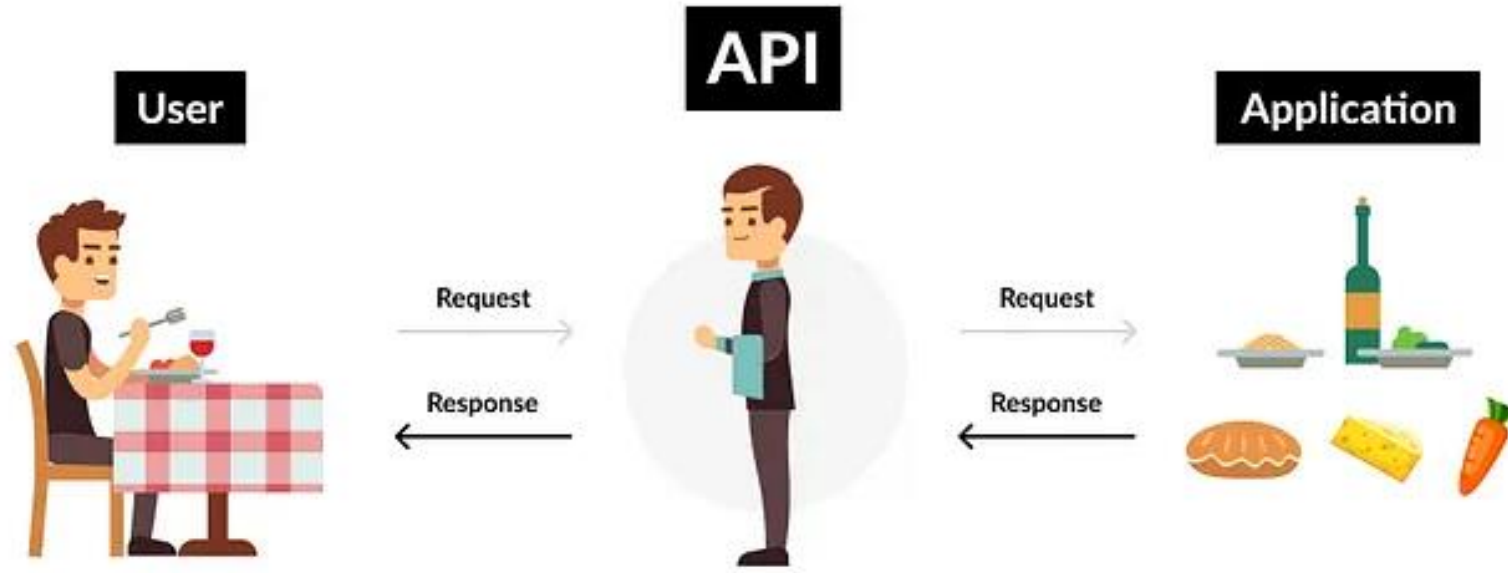


A server also uses an interface to retrieve resources.

This interface is called an **Application Programming Interface**.

This interface uses the HTTP protocol via URLs to obtain resources.

} API



Another (very common) analogy is a restaurant: you tell the waiter what you want to order, and he brings back from the kitchen (backend) the food you ordered.

} API

CRUD	Méthode	URL
Create	POST	/user
Read	GET	/user/{id}
Update	PUT	/user
Delete	DELETE	/user/{id}

But that's not all: it's also possible to **create, read, update and delete** a resource - this is called CRUD.

What about the project ?

} Project

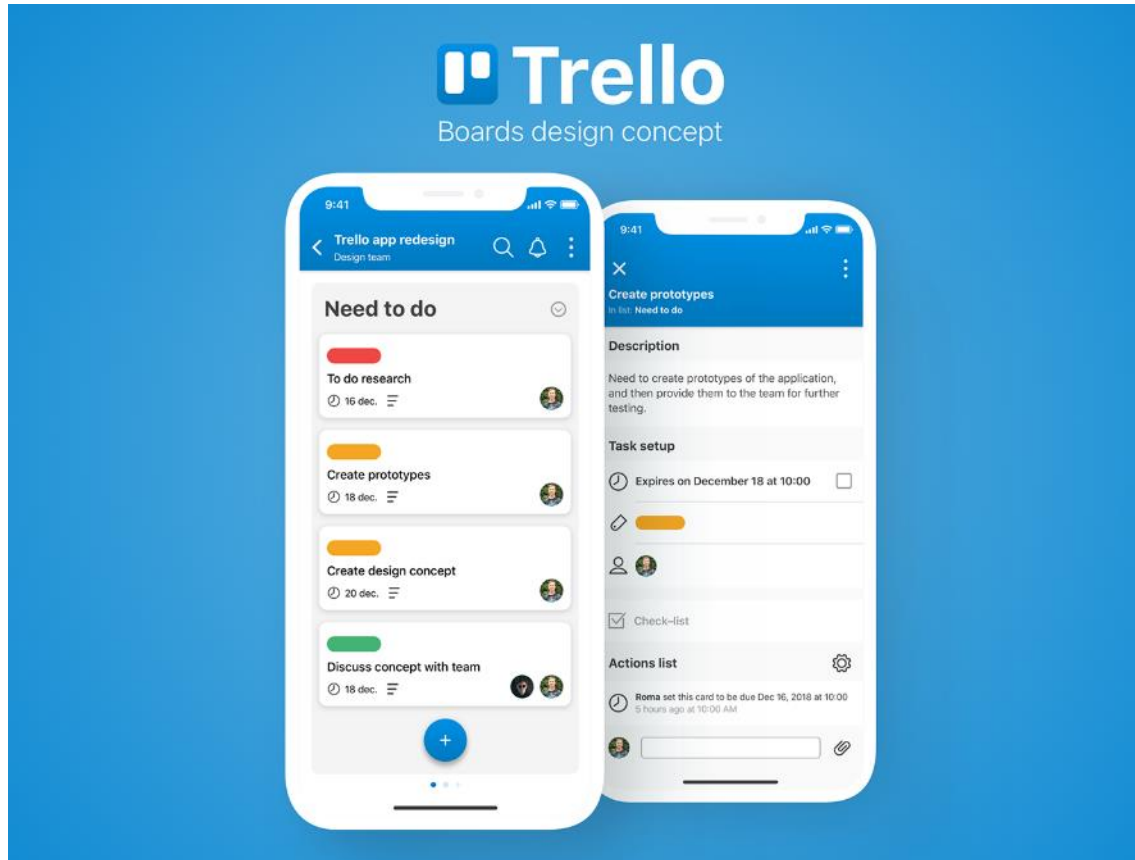
The screenshot shows the Atlassian Developer REST API documentation for Trello's Cards API. The top navigation bar includes the Atlassian logo, "Developer", and links for "Trello", "Guides", "Reference" (which is highlighted), and "Changelog". On the right, there is a search bar with "Search" and "Ctrl+K" buttons, and links for "Support" and "Log in". Below the navigation bar, there are tabs for "REST API", "Power-Ups", "SCIM API", and "FAQ". A "Switch to classic view" button is located on the right. The left sidebar shows a tree view with "REST API" expanded, and "Cards" selected under the "Boards" category. The main content area shows the "Cards" API endpoint with a breadcrumb "Cloud Trello / Reference / REST API". It includes a "Rate this page" section with five stars and links for "Postman Collection" and "OpenAPI". The "Operations" section lists the following endpoints:

- POST /cards
- GET /cards/{id}
- PUT /cards/{id}
- DEL /cards/{id}
- GET /cards/{id}/{field}

 Below this, the "Create a new Card" endpoint is highlighted with a "POST" button. At the bottom, there are links for "curl", "Node.js", "Java", "Python", and "PHP".

You'll be using Trello's API.

} Project



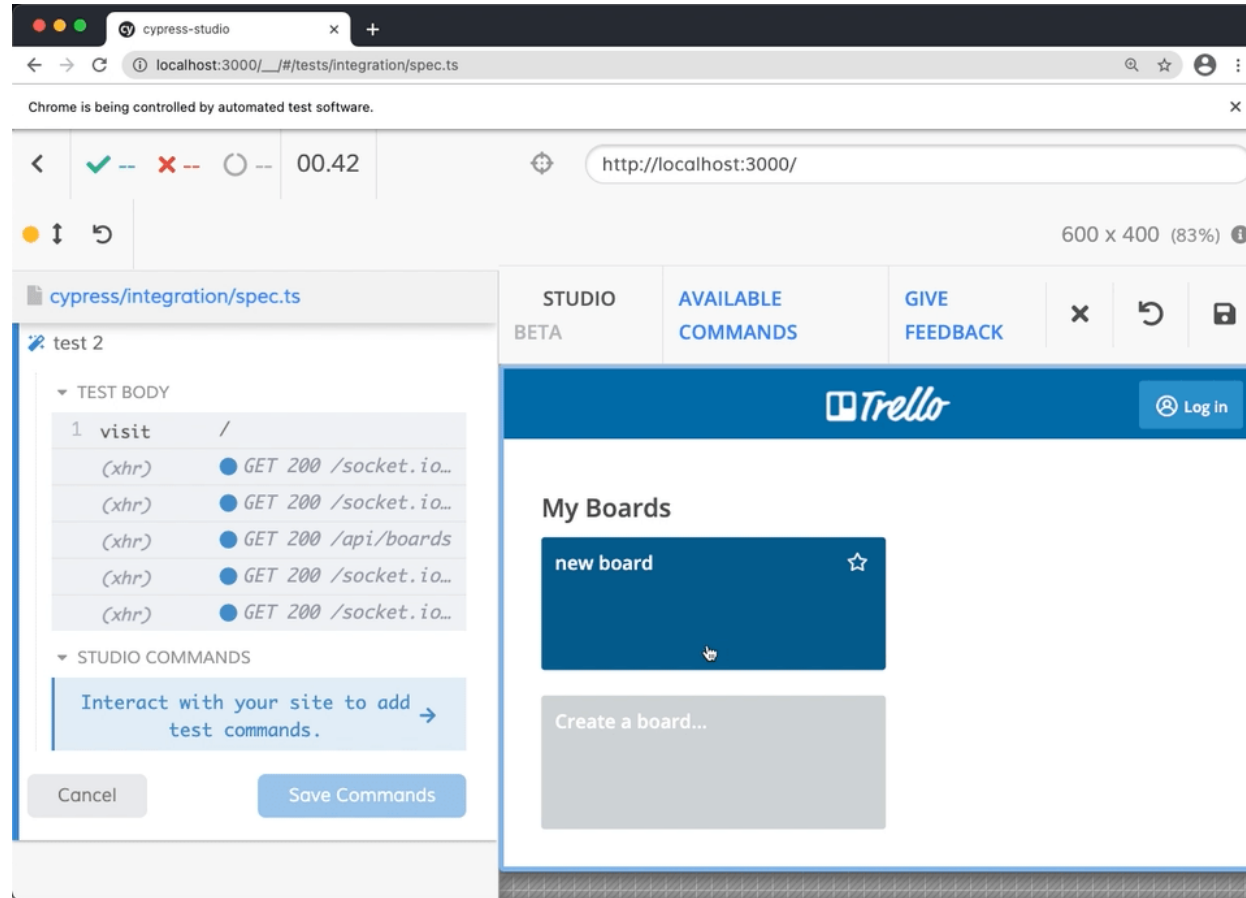
You'll use this API to create a project management application.



Technos



} Tests



Your application needs to be **tested** to ensure development quality.



Documentation

Documents might be :

- an activity diagram
- a class diagram
- sequence diagram
- use cases
- etc.

The documents should enable a newcomer to take charge of the project.



Any questions?