In js the async nature is achieved by using two main concepts webApis and the callback queue  
The operations in the callback queue will be executed when the call stack is empty  
The webApis are the different functions what are provided by the browser such as fetch,setTimeout etc  
  
If we run js in node the all the webApis provided by the browser are provided by node

Promises Implemetation:

class promiseCopy{

    constructor(callBack)

    {

        this.data=undefined

        this.error=undefined

        this.callBack=callBack

    }

    resolve(data){

        this.data=data

    }

    reject(error){

        this.error=error

    }

    then(callBackThen) {

        callBackThen(this.data)

    }

    catch(callBackCatch){

      callBackCatch(this.error)

    }

}

const p =new promiseCopy((resolve,reject)=>

{

  resolve("It ia done")

})

p.then((data)=>

{

  console.log(data);

})

A computer screen with text and numbers

Description automatically generated

* API" stands for Application Programming Interface, which is a set of rules and protocols that allows different software applications to communicate with each other. It defines the methods and data formats that applications can use to request and exchange information.  
  A "REST API" specifically refers to an API that follows the principles of REST, with its constraints like statelessness, client-server architecture, and a uniform interface.
* **Usage**: APIs can be used for various purposes, including integrating libraries, accessing web services, interacting with databases, etc. REST APIs are specifically designed for web services and follow a specific set of guidelines.
* **Protocols**: APIs can use various protocols for communication (like HTTP, TCP/IP, etc.). REST APIs specifically use HTTP methods (GET, POST, PUT, DELETE) for CRUD (Create, Read, Update, Delete) operations.

Express will not handle the body prasing implicitly so we use the body parser library to get the data  
  
If we are using the get request we need to use the query parameters to interact with the server in the back end  
So incase of the post request we have the body so that we can interact with