

TP-05

JavaScript

(Promise, Fetch)

Promise (async/await)

EX1: Consider you're working with a big project which the one user information may be stored in many databases. Design "Promise" object to handle the process in order to get a complete user's information. Apply "Promise.all" to run all promise objects.

```
const db1 = {  
  "1": { id: 1, sex: 'M', pic: '😎' },  
  "4": { id: 4, sex: 'F', pic: '😏' },  
  "6": { id: 6, sex: 'F', pic: '🤩' },  
}  
  
const db2 = {  
  "2": { id: 2, sex: 'F', pic: '😏' },  
  "5": { id: 5, sex: 'M', pic: '😞' },  
}  
  
const db3 = {  
  "3": { id: 3, sex: 'M', pic: '😓' },  
}
```

Given databases

```
const metaData = {  
  "1": "db1",  
  "2": "db2",  
  "3": "db3",  
  "4": "db1",  
  "5": "db2",  
  "6": "db1",  
}
```

Meta Server (Promise)

- User ID as input
- User's info in [db1, db2, db3] as output
- Else: error message

```
const userData = {  
  "1": { name: "Boupha", age: 18, private: false },  
  "2": { name: "Chakra", age: 22, private: true },  
  "3": { name: "Champey", age: 17, private: false },  
  "4": { name: "Dara", age: 20, private: false },  
  "5": { name: "Daevy", age: 19, private: true },  
  "6": { name: "Chhorvon", age: 22, private: false },  
}
```

Private Info Server (Promise)

- User ID as input
- Search user's information by id
- Else: return error

Fetch data from API for boooook App

EX2: Apply fetch function to our previous book app. Free Api from jsonplaceholder.typicode.com

Request

```
fetch('https://jsonplaceholder.typicode.com/photos')
  .then((response) => {
    return response.json();
  })
  .then((myJson) => {
    console.log(myJson);
  });
```



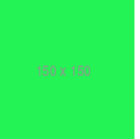
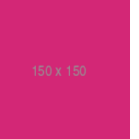



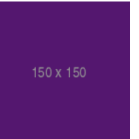
Response

```
// {
//   albumId: 1
//   id: 1
//   thumbnailUrl: "https://via.placeholder.com/150/92c952"
//   title: "accusamus beatae ad facilis cum similique qui sunt"
//   url: "https://via.placeholder.com/600/92c952"
// }
```

Name:

Category:

Price:

 accusamus beatae ad facilis cum similique qui sunt Album Id: 0 riel Category: 1 See	 reprehenderit est deserunt velit ipsam Album Id: 0 riel Category: 1 See	 officia porro iure quia iusto qui ipsa ut modi Album Id: 0 riel Category: 1 See	 culpa odio esse rerum omnis laboriosam voluptate repudiandae Album Id: 0 riel Category: 1 See
 natus nisi omnis corporis facere molestiae rerum in Album Id: 0 riel Category: 1 See	 accusamus ea aliquid et amet sequi nemo Album Id: 0 riel Category: 1 See	 officia delectus consequatur vero aut veniam explicabo molestias Album Id: 0 riel Category: 1 See	 aut porro officiis laborum odit ea laudantium corporis Album Id: 0 riel Category: 1 See

Getting to understand

“Promise” & “Fetch”

Good luck 🍀