This is a screenshot of a code editor (VS Code) showing `index2.html` with handwritten red and yellow annotations overlaid.

```html
</html>

<script>
  let coin = true;

  let promise1 = new Promise((resolve, reject) => {
    setTimeout(() => {
      resolve("found the coin");
      //   reject("I did found the coin");
    }, 2000);
  });

  promise1
    .then((res) => {
      let childPromise = new Promise((resolve, reject) => {
        setTimeout(() => {
          resolve("I get the chocolate");
          //   reject("the required chocolate not found");
        }, 2000);
      });

      return childPromise;
    })
    .then((data) => {
      console.log(data);
    })
    .catch((error) => {
      console.log(error);
    });
</script>
```

Handwritten annotations:
- Promise1
- P2 resolve, catch
- Catch
- P3 resolve
- Catch
- resolve
- reject
- resolve
- reject

$\rightarrow [\{ \ \}, \{ \}, \langle \rangle, \{ \}]$

Link $\longrightarrow$ API $\longrightarrow$ Url

Free API / Paid API

Key API

Promise

API

You.

D. B

Stringify

.json()

Promise

Object

internet issue / server issue.
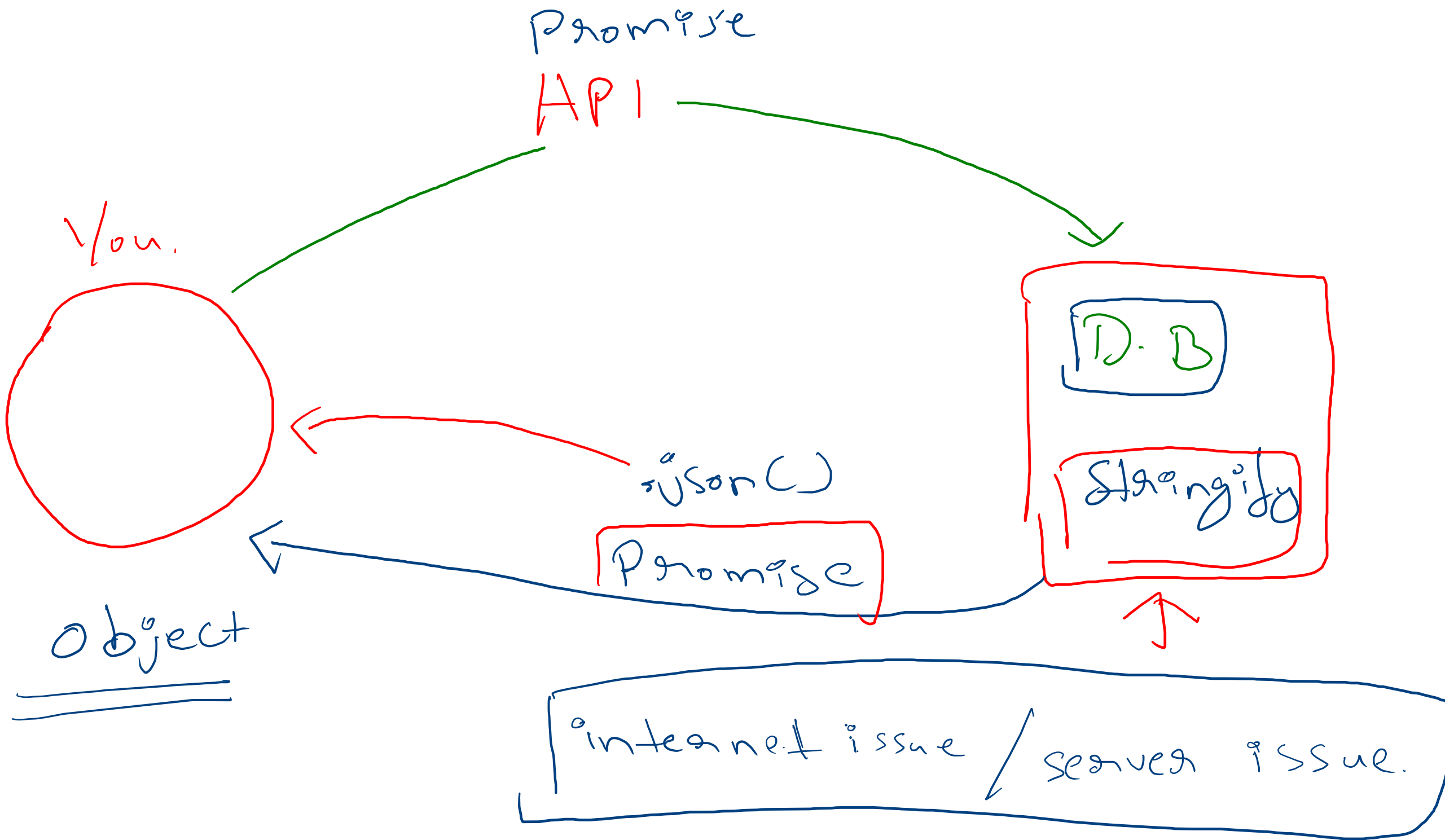
```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
  </head>
  <body>
    first time using API
  </body>
</html>
<script>
  let result = fetch("https://reqres.in/api/users");

  result
    .then((res) => {
      return res.json();
    })
    .then((data) => {
      console.log(data);
    })
    .catch((error) => {
      console.log(error);
    });
</script>
```

API Promise (handwritten annotation)

another Promise / object (handwritten annotation)

Status bar: 0 ⚠ 0 ⓘ 1   🔗 Live Share   Quokka   CRLF   HTML   ⊘ Port : 5500   ✓ Spell   ✓ Prettier

Console output:

```
index3.html:58
▼ {page: 1, per_page: 6, total: 12, total_pages: 2, data: Array(6), …} ⓘ
  ▼ data: Array(6)
    ▶ 0: {id: 1, email: 'george.bluth@reqres.in
    ▶ 1: {id: 2, email: 'janet.weaver@reqres.in
    ▶ 2: {id: 3, email: 'emma.wong@reqres.in',
    ▶ 3: {id: 4, email: 'eve.holt@reqres.in', f
    ▶ 4: {id: 5, email: 'charles.morris@reqres.
    ▶ 5: {id: 6, email: 'tracey.ramos@reqres.in
      length: 6
    ▶ [[Prototype]]: Array(0)
    page: 1
    per_page: 6
  ▶ support: {url: 'https://reqres.in/#support-
    total: 12
    total_pages: 2
  ▶ [[Prototype]]: Object
```