

missBug

Node.js

CRUDL coast 2 coast



missBug is a bug management system, it allows users to add / remove and update bugs.

Step 1 – Backend

Create a new folder: miss-bug-proj

- *npm init*
- Install the modules *express* and *cookie-parser*
- Create a *server.js* file:

```
const express = require('express')
const app = express()
app.get('/', (req, res) => res.send('Hello!'))
app.listen(3030, () => console.log('Server ready at port 3030!'))
```

- Check it out
- Our app manages a bug entity:

```
{
  "_id" : "abc123",
  "title" : "Cannot save a Car",
  "description" : "problem when clicking Save",
  "severity" : 3,
  "createdAt" : 1542107359454,
}
```

- Provide an API for Bugs CRUDL:
(Implement one by one along with a bugService)

```
app.get('/api/bug', (req, res) => {})
app.get('/api/bug/save', (req, res) => {})
app.get('/api/bug/:bugId', (req, res) => {})
app.get('/api/bug/:bugId/remove', (req, res) => {})
```

- Test your API from the browser

Use a frontend

- Get familiar with the provided frontend code
- Add a description to the bug entity (another prompt for now)
 - In the [bug-details](#) page, show the bug's description
- Refactor the bugService to use your API instead of using local storage

Backend - Add a cookie for usage limit

- Let's imagine we also have a premium app, so we want to limit the (free) user for viewing more than 3 bugs
- So we need to keep track of the bugs the user visited
- From the backend we will send a cookie: *visitedBugs* in which we will store an array of visited bug ids (use `JSON.stringify` and `JSON.parse` where needed)
- Make sure the array is sent as cookie and saved by the browser (check the dev tools)
- Make sure it works by printing a message to the backend console:
User visited at the following bugs: [...]
- When user visits more than 3 different bugs we will respond with an error:

```
return res.status(401).send('Wait for a bit')
```

- Make that cookie last for 7 seconds
- Note that you can clear the cookies at any time using the dev-tools

Bug Filter

Allow filtering the bugs

Bonus – Get a PDF

Allow the user to download a PDF file of the bugs

Split your bug-app component to the following components:

1. BugIndex (Routable Page)
2. BugList
3. BugPreview
4. BugDetails (Routable Page)
5. BugEdit (Routable Page)
6. BugFilter

