

The screenshot shows a development environment for a Node.js application. On the left, the Explorer sidebar lists files and folders, including `database.js`, `book.js`, `book_model.js`, `user.js`, and `user_model.js`. The `models` folder contains `book_model.js`, `borrower_model.js`, and `user_model.js`. The `routes` folder contains `book.js`, `borrower.js`, `index.js`, and `user.js`. The `public` folder contains `node_modules`, `public`, and `routes`. The `node_modules` folder contains `assosiative_array.js`, `book.js`, `callback_example.js`, `database.js`, `package-lock.json`, `package.json`, `palindromijs`, `server.js`, and `summajs`.

In the center, a browser-like interface displays the URL `localhost:3000/book`. The request method is `GET` and the path is `/book`. The status is `200 OK` with a time of `5 ms` and a size of `500 B`. The response body is a JSON array containing three objects:

```
1  [{"id_book":1,"name":"PHP Basic","author":"Bob Jones","isbn":"123-456-789-111-x"}, {"id_book":2,"name":"Statistics","author":"Lisa Smith","isbn":"222-333-444-555-y"}, {"id_book":3,"name":"2001: Space Odyssey","author":"Arthur C. Clarke","isbn":"586-259-329-258-s"}]
```

Below the browser interface is a terminal window showing command-line logs:

```
isbn: '586-259-329-258-s'  
}  
]  
GET /book 200 10.971 ms - 263  
GET /id 404 0.738 ms - 141  
GET /book/3 200 1.835 ms - 99  
[  
{  
  id_book: 1,  
  name: 'PHP Basic',  
  author: 'Bob Jones',  
  isbn: '123-456-789-111-x'  
},  
{  
  id_book: 2,  
  name: 'Statistics',  
  author: 'Lisa Smith',  
  isbn: '222-333-444-555-y'  
},  
{  
  id_book: 3,  
  name: '2001: Space Odyssey',  
  author: 'Arthur C. Clarke',  
  isbn: '586-259-329-258-s'  
}  
]  
GET /book 200 1.104 ms - 263
```

At the bottom, there are tabs for `OUTLINE` and `TIMELINE`, and a status bar indicating `master* ↻ 0 △ 0` and `Finish Setup`.

The screenshot shows a Node.js development environment with the following details:

- EXPLORER:** Shows files like `database.js`, `book.js`, `book_model.js`, `user.js`, `user_model.js`, `book.js`, `borrower.js`, `index.js`, `user.js`, `.gitignore`, `app.js`, `associative_array.js`, `book.js`, `callback_example.js`, `database.js`, `package-lock.json`, `package.json`, `palindromes.js`, `server.js`, and `summaries.js`.
- HTTP Requests:** A POST request to `localhost:3000/book` is being tested.
- Body:** The request body is set to `x-www-form-urlencoded` and contains the following fields:

Key	Value
name	Lord of the Ring
author	J. R. R. Tolkien
isbn	485-123-957-128-1
- Test Results:** Status: 200 OK, Time: 5 ms, Size: 343 B.
- TERMINAL:** Displays the following JSON response:

```
1  [{"fieldCount":0,"affectedRows":1,"insertId":5,"info":"","serverStatus":2,"warningStatus":0,"changedRows":0}],
```

```
},  
{  
    id_book: 2,  
    name: 'Statistics',  
    author: 'Lisa Smith',  
    isbn: '222-333-444-555-y'  
},  
{  
    id_book: 3,  
    name: '2001: Space Odyssey',  
    author: 'Arthur C. Clarke',  
    isbn: '586-259-329-258-s'  
},  
{  
    id_book: 4,  
    name: 'Lord of the Ring',  
    author: 'J. R. R. Tolkien',  
    isbn: '485-123-957-128-1'  
},  
{  
    id_book: 5,  
    name: 'Lord of the Ring',  
    author: 'J. R. R. Tolkien',  
    isbn: '485-123-957-128-1'  
}
```

```
]
```

```
GET /book 200 1.337 ms - 453
```
- Bottom Bar:** Includes links for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, PORTS, and POSTMAN CONSOLE, along with node and other icons.

POST Lisätty kirja, sama kaksi kertaa

The screenshot shows a Node.js development environment with the following details:

- File Explorer:** Shows the project structure under the `NODEJS` folder, including files like `database.js`, `book.js`, `book_model.js`, `borrower_model.js`, `user_model.js`, `index.js`, `user.js`, `.gitignore`, `app.js`, `associative_array.js`, `book.js`, `callback_example.js`, `database.js`, `package-lock.json`, `package.json`, `palindromi.js`, `server.js`, and `summajs`.
- Terminal:** Displays the following JSON data representing a book record:

```
        },
        {
          id_book: 2,
          name: 'Statistics',
          author: 'Lisa Smith',
          isbn: '222-333-444-555-y'
        },
        {
          id_book: 3,
          name: '2001: Space Odyssey',
          author: 'Arthur C. Clarke',
          isbn: '586-259-329-258-s'
        },
        {
          id_book: 4,
          name: 'Lord of the Ring',
          author: 'J. R. R. Tolkien',
          isbn: '485-123-957-128-1'
        },
        {
          id_book: 5,
          name: 'Dune',
          author: 'Frank Herbert',
          isbn: '845-654-789-248-d'
        }
```
- Output:** Shows the command `GET /book` with a response time of 1.544 ms and a size of 438 bytes.
- Postman Console:** Shows a successful `200` response with the message "PUT Muutettu kirjan numero 5 tiedot ja GET haettu näkyville".
- Header Bar:** Includes tabs for `database.js`, `book.js`, `book_model.js`, `localhost:3000/book` (highlighted), `user.js`, and `user_model.js`. The URL bar shows `localhost:3000/book`. The status bar indicates "No Environment".

The screenshot shows a Node.js development environment with the following details:

- File Explorer:** Shows files in the `NODEJS` folder, including `database.js`, `book.js`, `book_model.js`, `user.js`, and `user_model.js`.
- Terminal:** Displays the following command history:

```
isbn: '845-654-789-248-d'  
}  
]  
GET /book 200 1.544 ms - 438  
DELETE /book/2 200 3.825 ms - 107  
[  
{  
id_book: 1,  
name: 'PHP Basic',  
author: 'Bob Jones',  
isbn: '123-456-789-111-x'  
},  
{  
id_book: 3,  
name: '2001: Space Odyssey',  
author: 'Arthur C. Clarke',  
isbn: '586-259-329-258-s'  
},  
{  
id_book: 4,  
name: 'Lord of the Ring',  
author: 'J. R. R. Tolkien',  
isbn: '485-123-957-128-1'  
},  
{  
id_book: 5,  
name: 'Dune',  
author: 'Frank Herbert',  
isbn: '845-654-789-248-d'  
}  
]  
GET /book 200 1.167 ms - 355
```
- Postman:** Shows a successful `POST` request to `localhost:3000/book` with status `200 OK`. The response body is:

```
{"fieldCount":0,"affectedRows":1,"insertId":0,"info":"Rows matched: 1 Changed: 1 Warnings: 0","serverStatus":2,"warningStatus":0,"changedRows":1}
```
- Bottom Status Bar:** Shows the message `DELETE Kirja 2 poistettu ja GET haettu tiedot näkyviin`.