

# Book website report

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The report should be composed of a series of screenshots in Sections A, B, C; a brief explanation in Section A, and a usability/accessibility checklist in Section D.

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## Section A: Directory Structure

Screenshot and supporting text of directory structure and contents. Explain how the files are connected in this structure.



Within my main 'root' folder, I have 3 main folders along with 3 HTML files. The three different folders are:

- A CSS folder holding the CSS files for their respective HTML files
- An images folder holding the icons and logos for the webpage
  - The images folder holds an additional one within it containing the book JPEG's – for the means of organisation
- A JS folder holding the JavaScript files for their respective HTML files

Finally, there is an additional 'tree.txt' file, to display the structure on the root file below. This was generated using the 'tree /f > tree.txt' command in the roots terminal. I later removed this file however for the purposes of submitting only necessary files.

```
Folder PATH listing for volume OS
Volume serial number is 4AA7-7C93
C:.
a   index.html
a   pay.html
a   success.html
a   tree.txt
a
+---CSS
a       index.css
a       pay.css
a       success.css
a
+---images
a   a     bookso-favicon.jpg
a   a     bookso-logo.jpg
a   a     cart-icon.jpg
a   a
a   +---Book JPGs
a       Beginning C++ through game programming.jpg
a       Cracking the coding interview.jpg
a       Hands on machine learning.jpg
a       JavaScript The definitive guide.jpg
a       Programming interviews exposed.jpg
a       System design interview.jpg
a
+---js
    index.js
    pay.js
    success.js
```

## Section B: Front-End

Screenshot of homepage, index.html, in desktop view and smartphone view.

The screenshot shows a desktop browser window displaying the Bookso homepage. The page features a header with the Bookso logo and navigation links for Home, About us, and Contact us. Below the header is a section titled "Current top sellers" containing three book cards. The first card is for "Cracking the Coding Interview" by Gayle Laakmann McDowell, priced at £14.99. The second card is for "Hands-on Machine Learning with Scikit-Learn, Keras & TensorFlow" by Aurélien Géron, priced at £21.99. The third card is for "System Design Interview" by System design interview (x3), priced at £44.97. A search bar and a sidebar with additional book cards are also visible.

Desktop view 1

The screenshot shows a mobile browser window displaying the Bookso homepage. The layout is responsive, showing a simplified menu with links for Home, About us, and Contact us, along with a shopping cart icon. Below the menu is a "Current top sellers" section featuring the same three book cards as the desktop view. The cards are displayed in a smaller, more compact format suitable for a mobile screen.

Mobile view 1

£14.99

Add to Cart

£21.99

Add to Cart

£12.99

Add to Cart

Desktop view 2

Dimensions: Responsive ▾ 332 × 490 100% ▾ No throttling ▾ ⚙

Aurélien Géron

**Hands on machine learning**

**Aurélien Géron**

"Hands-On Machine Learning" is a practical guide that delves into various machine learning algorithms and their applications through real-world examples and projects, providing a hands-on approach to understanding the field.

£21.99

Add to Cart

£12.99

Add to Cart

Mobile view 2

## Section C: RESTful

Screenshot of raw data in JSON sent to the server; Screenshot of JavaScript verification of wrong credit card details FAILING the verification process; Screenshot of on success (200 OK from the server) the message.

```
Paused in debugger
```

Bookso | Checkout

Total: £36.98

Card Number: 5122222222222222

Expiry Date: 4 2029

CVV: 121

Shipping information:

\*Please note: No Card, Shipping or Personal details are stored.

Submit

pay.js

```
Paused in debugger
```

```
Line 75, Column 9 Coverage: n/a
```

```
(index)
master_card
exp_month
exp_year
cvv_code
> Object
```

```
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
```

```
// Send to API if passed all
const data = {
  "master_card": parseInt(cvv),
  "exp_month": parseInt(exp),
  "exp_year": parseInt(exp),
  "cvv_code": cvv,
  "cvv": ""
};

console.table(data);
data =
const url = "https://mudfoot.i...
```

```
Fetch(url, { /2 parameters
  method: "post",
  headers: {
    "Content-Type": "appl...
  },
  body: JSON.stringify(data)
})
.then(res => {
  if (res.status === 200) {
    return res.json();
  } else {
    ...
  }
})
```

Local

CardNumber: "5122222222222222"

CurrentDate: Fri May 17 2024 04:25:24

currentMonth: 5

currentYear: 2024

CVV: "121"

data: {master\_card: 5122222222222222, exp\_month: 4, exp\_year: "2029", cvv\_code: "121", url: "https://mudfoot.doc.stu.mmu.ac.uk/api/v1/payment/validate"}

Global

Call Stack

(anonymous) pay.js:75

XHR/fetch Breakpoints

DOM Breakpoints

Successful card input with raw JSON data

This page says  
Invalid card number

OK

Card Number: 5111111111111111

Expiry Date: 6 2030

CVV: 111

Shipping information:

\*Please note: No Card, Shipping or Personal details are stored,

OK

This page says  
Card expired

OK

Card Number: 5111111111111111

Expiry Date: 6 2016

CVV: 111

Shipping information:

\*Please note: No Card, Shipping or Personal details are stored,

OK

This page says  
Invalid CVV

OK

Card Number: 5111111111111111

Expiry Date: 6 2028

CVV: 99999999

Shipping information:

\*Please note: No Card, Shipping or Personal details are stored,

OK

Validation errors for card inputs

## Section D: Usability and Accessibility

Checklist Implement features to address usability and accessibility. List your features, explaining briefly how each benefits usability and/or accessibility.

- Cart feature – to allow users to purchase multiple books at once.
- Simplistic design – allows users to navigate easily and efficiently.
- Consistent design – professional and similar look across all 3 main pages.
- Mobile design – added different menu and panel layout for mobiles.
- Navigation bar – responsive and nicely formatted nav bar for optimal user experience.