

WEB DEVELOPMENT- Technical Document

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IDM 5.1

Website: KISMET INK

IPO CHART

Input

Process

Output

navbar buttons

Click on shop name in navbar
Click on about in navbar
Click on FAQ in navbar
Click on artists in navbar
Click on artist name in dropdown
Click on contact in navbar

Redirect to homepage
Navigate to about.html
Navigate to FAQ page
Navigate to general artist page
Navigate to that artist's individual page
Navigate to contact form

Homepage loads
About page loads
FAQ page loads
General artist page loads
Artist profile page loads
Contact page with form loads

inside pages

Click on artist card button
Scroll through carousel on artist page
Click on question in FAQ

Navigate to specific artist's page
Trigger Bootstrap carousel behavior
Toggle visibility of answer

Artist profile page loads
Carousel scrolls through images
Answer text shows/hides

when filling in the contact form

First name, Last name
Age group radio button
Email
Phone number
Checkbox contact me about offers
Department dropdown
Subject
Message
Submit button

Check if fields are not empty
Check if one is selected
Check format matches valid email structure
Validate against 8-digit pattern
Optional input
Ensure user selects a valid option
Check if text field is filled
Check if text area has content
Trigger validation, format data, open email app

Show error if empty, allow submit if valid
Show error if none selected, pass if selected
Show error for invalid format
Show error if incorrect
Include or skip in form submission
Show error if not selected
Show error if blank
Show error if blank
Opens user's default email client with filled fields

searchbar

Type word into search bar
Click search button

Capture user input and send to Google with site search restriction
Open Google in new tab with search query and site filtering applied

Google results for that word on this site
Search results show for site:yourdomain

Table of Test Cases & Results

Test Case ID	Action / Scenario	Expected Result	Actual Result	Status
TC01	Click on 'KISMET INK' in navbar	Redirect to homepage	Homepage loads with intro text	Pass
TC02	Click on 'About' in navbar	Loads the About page	About page opens with studio info	Pass
TC03	Click on 'FAQ' in navbar	Navigates to FAQ page	FAQ loads with expandable questions	Pass
TC04	Click on question in FAQ	Answer appears below the question		Pass
TC05	Click 'Artists' in navbar	Loads general artist page	Page opens with artist cards	Pass
TC06	Click artist card 'About' button	Loads respective artist profile	Correct artist portfolio page loads	Pass
TC07	Use artist name in dropdown	Opens artist's individual page	Links work correctly for all artists	Pass
TC08	Scroll carousel on artist page	View multiple images	Image carousel functions smoothly	Pass
TC09	Click 'Contact' in navbar	Loads contact form page	Page loads with contact details and form	Pass
TC10	Submit form with empty fields	Show validation errors	Inline errors appear for required fields	Pass
TC11	Submit form with valid input	Open email client with filled data	Doesn't send email	Fail
TC12	Click reset on form	Clears all input fields	Doesnt work	Fail
TC13	Use search bar	Perform site-based Google search	Doesn't work	Fail
TC14	View site on mobile	Content adjusts to screen size	Fully responsive layout	Pass
TC15	Check image alt attributes	All images should have alt text	Tags not present	Fail
TC16	Validate phone number field	Accepts 8-digit Maltese number	Only valid format is accepted	Pass
TC17	Check accessibility contrast	Text is readable on background	Sufficient contrast throughout	Pass
TC18	Open artist pages from both card and dropdown	Same destination reached	Navigation consistent	Pass

Code validation

index.html

I fixed the incorrect values to define image size (70px etc.) when in reality html expects only a number.

1. **Error** Bad value 70px for attribute height on element img: Expected a digit but saw p instead.

From line 19, column 7; to line 19, column 87

```
d">
```

2. **Error** Bad value 110px for attribute width on element img: Expected a digit but saw p instead.

From line 19, column 7; to line 19, column 87

```
d">
```

```
<div class="container-fluid">
  
  <a class="navbar-brand text-black header" href="index.html">KISMET INK</a>
```

TattooStudioAbout.html

I fixed the incorrect values to define image size (70px etc.) when in reality html expects only a number again. However I couldn't fix the 3rd issue as then the path would be broken and would not display the image

1. **Error** Bad value 70px for attribute height on element img: Expected a digit but saw p instead.

From line 19, column 7; to line 19, column 87

```
d">
```

2. **Error** Bad value 110px for attribute width on element img: Expected a digit but saw p instead.

From line 19, column 7; to line 19, column 87

```
d">
```

3. **Error** Bad value Kismet Images/kismetfacade.png for attribute src on element img: Illegal character in path segment: space is not allowed.

From line 76, column 13; to line 76, column 112

```

```

TattooStudioFAQ.html

I fixed same issues as in index.html

Code validation

TattooStudioArtists.html

Fixed the image size but couldn't change the folder name.

1. **Error** Bad value 70px for attribute height on element img: Expected a digit but saw p instead.
From line 19, column 5; to line 19, column 85

```
uid"><
```
2. **Error** Bad value 110px for attribute width on element img: Expected a digit but saw p instead.
From line 19, column 5; to line 19, column 85

```
uid"><
```
3. **Error** Bad value Kismet Images/1 Naila BW.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 86, column 11; to line 86, column 81

```

```
4. **Error** Bad value Kismet Images/2 Ellen BW.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 96, column 11; to line 96, column 81

```

```
5. **Error** Bad value Kismet Images/3 Mari BW.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 126, column 11; to line 126, column 80

```

```
6. **Error** Bad value Kismet Images/4 Emilio BW.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 136, column 11; to line 136, column 82

```

```

Code validation

TattooStudioNAILA.html

TattooStudioELLEN.html

TattooStudioMARI.html

TattooStudioEMILIO.html

To avoid repetition, I'm including only one of the validation issues screenshot into this document, however they all included the same issue of size definition and image size issues and folder name. I validated the image size for all.

1. **Error** Bad value 70px for attribute height on element img : Expected a digit but saw p instead.
From line 19, column 5; to line 19, column 85

```
uid"><
```
2. **Error** Bad value 110px for attribute width on element img : Expected a digit but saw p instead.
From line 19, column 5; to line 19, column 85

```
uid"><
```
3. **Error** Bad value Kismet Images/1 Naila.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 71, column 9; to line 71, column 115

```
><
```
4. **Error** Bad value Kismet Images/1 Naila Portfolio/1.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 101, column 11; to line 101, column 133

```
<
```
5. **Error** Bad value Kismet Images/1 Naila Portfolio/2.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 104, column 11; to line 104, column 133

```
<
```
6. **Error** Bad value Kismet Images/1 Naila Portfolio/3.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 107, column 11; to line 107, column 133

```
<
```
7. **Error** Bad value Kismet Images/1 Naila Portfolio/4.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 110, column 13; to line 110, column 135

```
<
```
8. **Error** Bad value Kismet Images/1 Naila Portfolio/5.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 113, column 13; to line 113, column 135

```
<
```
9. **Error** Bad value Kismet Images/1 Naila Portfolio/6.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 116, column 13; to line 116, column 135

```
<
```
10. **Error** Bad value Kismet Images/1 Naila Portfolio/7.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 119, column 13; to line 119, column 135

```
<
```
11. **Error** Bad value Kismet Images/1 Naila Portfolio/8.png for attribute src on element img : Illegal character in path segment: space is not allowed.
From line 122, column 13; to line 122, column 135

```
<
```

Code Validation

FormWithValidation.html

Here i fixed the size issue and fixed the issues in labels and ids sp

- Error** Bad value `70px` for attribute `height` on element `img`: Expected a digit but saw `p` instead.
From line 18, column 5; to line 18, column 85

```
uid">
```
- Error** Bad value `110px` for attribute `width` on element `img`: Expected a digit but saw `p` instead.
From line 18, column 5; to line 18, column 85

```
uid">
```
- Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 105, column 9; to line 105, column 32

```
><label for="first-name">first
```
- Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 111, column 9; to line 111, column 31

```
><label for="last-name">last n
```
- Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 118, column 9; to line 118, column 32

```
><label for="first-name">age gr
```

```
104 | <div>
105 |   <label for="firstName">first name</label>
106 |   <input type="text" class="firstName" id="firstName" name="first-name" placeholder="Jane">
107 |   <p style="margin-bottom: 20px;"></p>
```

```
110 | <div>
111 |   <label for="last-name">last name</label>
112 |   <input type="text" id="lastName" name="last-name" id="lastName" placeholder="Doe">
113 | </div>
```

```
117 | <div id="age">
118 |   <label>age group</label>
119 |   <p style="margin-bottom: 20px;"></p>
120 |
```

Code Validation

FormWithValidation.css

I changed the colour values format in lines 5 and 34 to one that css recognizes.

5	.reset	Value Error : border rec2020 is not a color value : color(rec2020 red green blue)
34	.inputError	Value Error : border rgb(121, 0, 0) is not a color value : 2px color(rgb(121, 0, 0))

```
5 border: 2px solid #ed1c24;
34 border: 2px solid rgb(121, 0, 0);
```

MyStyleSheet.cs

Removed the line as it's redundant.

67	.navbar	Value Error : height Too many values or values are not recognized : center
----	---------	--

```
66 flex: 1;
67 margin-left: auto;
68 margin-right: auto;
```

FormWithValidationJava.js

No issues found.

Validators used:

<https://validator.w3.org/>

<https://jigsaw.w3.org/css-validator/>

<https://jsfiddle.net/>

<https://www.compilejava.net/>

What accessibility features are present in my website?

Semantic HTML

I used elements like `<nav>`, `<form>`, `<fieldset>`, and `<legend>` to help screen readers understand the structure of the content.

Every input has a label

I added `<label>` elements linked to each form field using the `for` and `id` attributes, so users relying on screen readers can understand what each field is for.

Keyboard navigation works

I used standard HTML elements and Bootstrap components so users can navigate the site using only the keyboard.

Colour contrast

I used dark text on light backgrounds (and vice versa) to make sure text is readable for users with visual impairments.

Responsive layout

I built the layout using Bootstrap's grid system, making it accessible and easy to navigate on both desktop and mobile.

How did I implement accessibility features into my project

I changed the opacity of the background of the questions in the FAQ section to full opacity to increase legibility:

Before:



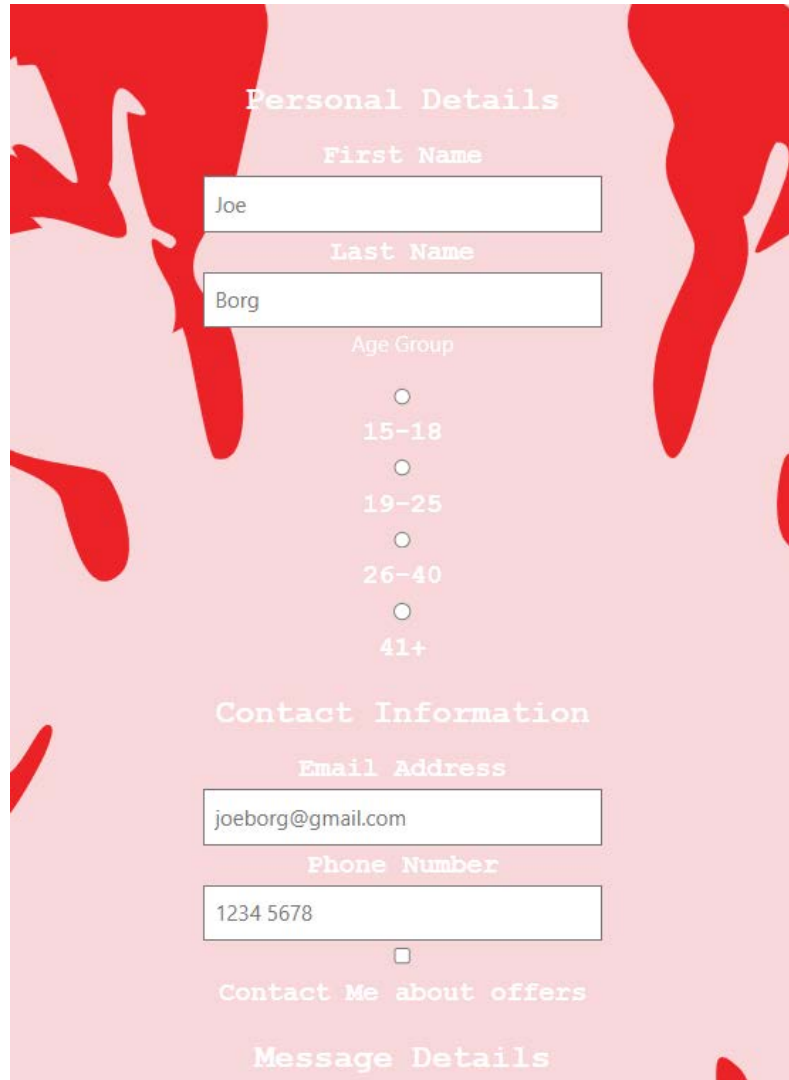
After:



How did I implement accessibility features into my project

I changed the font colour from white to black in the form section, as well as adding a transparent white box behind it to increase contrast:

Before:



Personal Details

First Name

Joe

Last Name

Borg

Age Group

☐ 15-18

☐ 19-25

☐ 26-40

☐ 41+

Contact Information

Email Address

joeborg@gmail.com

Phone Number

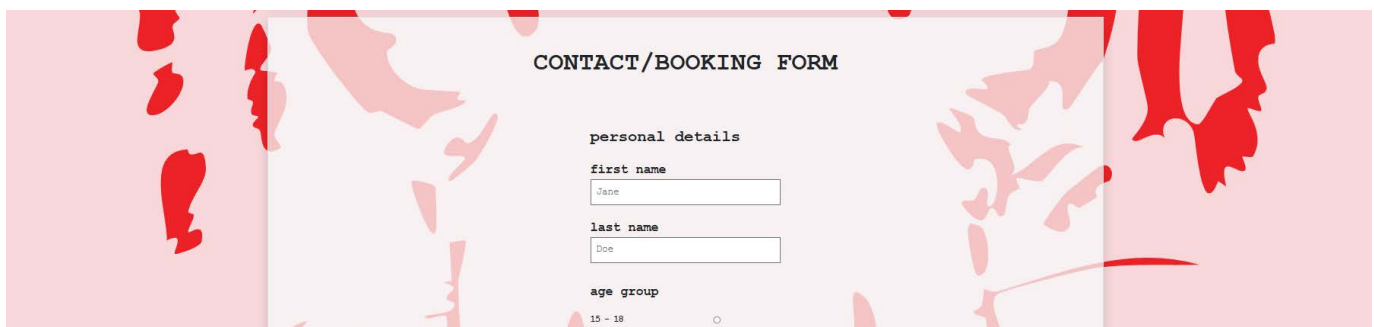
1234 5678

☐

Contact Me about offers

Message Details

After:



CONTACT/BOOKING FORM

personal details

first name

Jane

last name

Doe

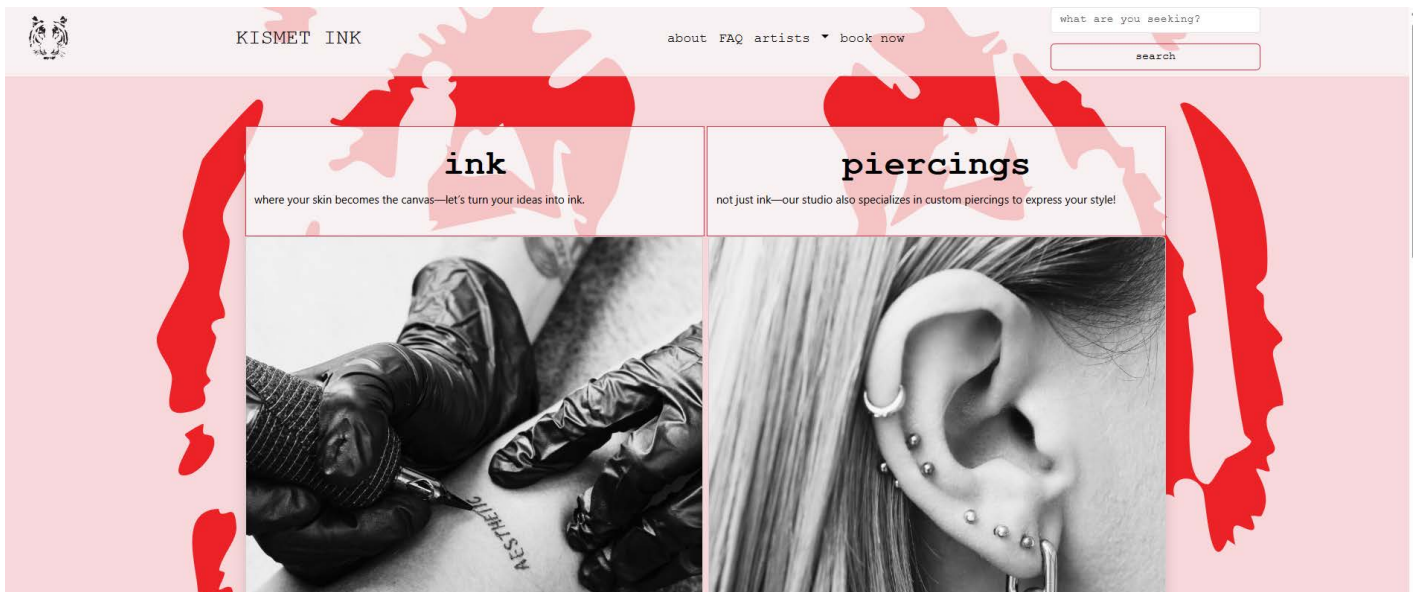
age group

☐ 15 - 18

How did I implement accessibility features into my project

Increased the font size in the navbar:

Before:



After:



How did I implement accessibility features into my project

Increased the font size within the cards:

After:

Before:

