
PROJECT REPORT

“MOVE IT! Dance Academy”

By Joanna Skoczen & Anna Drozd

1. SUMMARY

- 1.1. This website depicts a profile of a modern dance academy that offers a wide range of dance classes, designed to encourage movement enthusiasts, regardless of their age and experience.
- 1.2. We have decided to address health & leisure sector in our project because there has been a rising level of interest in dance classes throughout the years, mostly thanks to its popularisation in TV shows and movies. Dancing, and a lifestyle that often comes with it, has become more approachable than ever. People are becoming more and more aware of the benefits of movement on their physical and mental health. Although it's not a problem to find a dance academy these days, it's a bit harder to find the professional one - there is always plenty of room for more high quality services on the market. All of these factors would make our website potentially in demand, and also, be a valuable addition to our portfolios.

2. TASKS & RESPONSIBILITIES

2.1. Frameworks used:

- Bootstrap v5.1.3
- JQuery

2.2. Group project development phases:

INITIALISATION	PLANNING	EXECUTION	CONTROL/TESTING
<ul style="list-style-type: none">brainstorming;decide on topic & concept of a webpagedefine functionality challenges and preferences;divide tasks – workload to be evenly distributed;choose frameworks;	<ul style="list-style-type: none">agree on overall layout concept and style – placement of components, colour pallet, fonts;estimate the timeline;	<ul style="list-style-type: none">each group member to provide own .html, .css and .js files for assigned pages;each group member to be responsible for optimisation and making commits through Git to GitHub;	<ul style="list-style-type: none">review of final results & make adjustments if required;deployment;optimisation;project closure;

3. WIREFRAMES & DESIGN PATTERNS

*For wireframes with comments please see attached .zip folder “Wireframes”

3.1. General design assumptions:

- clear, minimalistic & responsive layout – preferably vertical arrangement to ensure smooth transition to mobile screens;
- selection of components that give elegant, modern & contemporary feel;
- allow for grayscale colour scheme palette with occasional pop of colour for enhancement.

3.2. HTML5 pages – components used / deliverables:

Common parts

- (Joanna Skoczen) Fixed Nav bar at the top was taken from Bootstrap and manipulated by Joanna in order to add logo in top corner, also media queries were used to make it responsive on all screen sizes.
- (Anna Drozd) Footer was taken from Bootstrap and adapted by Anna in order to suit the layout of our pages – Bootstrap icons added.
- HTML5 tags were used like <header>, , <footer>, <a>, , , <svg>, <input type=""> <label> and more, on all of our pages.

"Home" page: Anna Drozd

- Button made responsive with JavaScript and styled with CSS.
- Carousel (Bootstrap) – slideshow with 4x optimised images to improve website's performance on mobile screens.
- Cards (Bootstrap) – some properties modified with CSS; images optimised.
- Accordion (Bootstrap) – some properties modified with CSS; added star icons from Bootstrap.

"Gallery" page: Joanna Skoczen

- Video carousel made with vanilla javascript. Changing of CSS class of specific elements with toggle. Carousel works both ways, going forwards and backwards.
- SVG elements were added into HTML and manipulated to suit needs and functionality.
- addEventListener was used in order to make the carousel work.
- Bootstrap was used to make the website responsive as well as added functionality like Nav bar and Footer (which were styled and edited to suit our needs).
- Website is responsive even on smaller screens than newest Iphone, also works fine for bigger screens like tablets.
- CSS Pseudo-classes were used to make images in gallery show color when hovered over.
- Logo was made with Google Fonts for easier manipulation and scaling.
- Website is optimized for mobile as well as desktop in terms of performance. Two versions of same image were added in HTML and website picks which quality to display based display window. For this I used srcset and size attributes in the img tag. Screenshots of performance before and after optimization are attached.

"Booking" page: Joanna Skoczen

- Calendar for booking classes was made with vanilla JavaScript, it is 100% accurate and functional. It correctly displays days and months of each year until 2023 (then a feature would need to be added to account for leap years).
- Calendar displays current day in different color.
- User isn't able to book classes from today's date backwards, I if user tried to do a alert made with jQuery will pop up to inform user that they cannot book backwards.
- When user chooses correct day a form will be displayed. This feature was made with toggling CSS classes.
- Website is responsive even on smaller screens than newest iPhone, also works fine for bigger screens like tablets.
- Form used id validated with JavaScript as well as HTML so user knows which field they should fill in.

"Contact Us" page: Anna Drozd

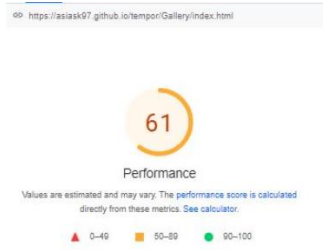
- Contact form (Bootstrap) with added checkbox(Bootstrap)- some properties modified with CSS.
- Input validation & error handling using JavaScript.
- Used toggle class with selected divs to change display after successful submission.
- Used embedded map (Google Maps).

3.3. Optimisation results:

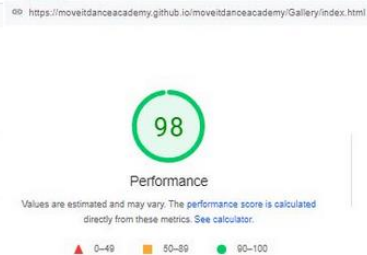
“Gallery” page: Joanna Skoczen

Desktop:

Before:

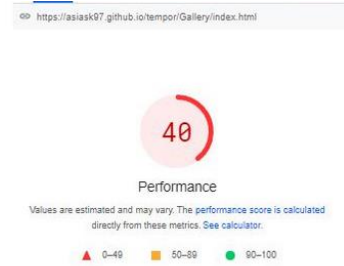


After:

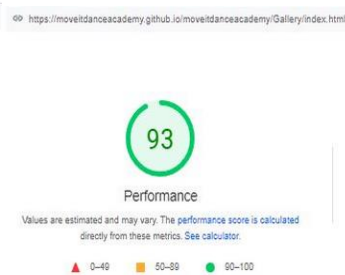


Mobile:

Before:



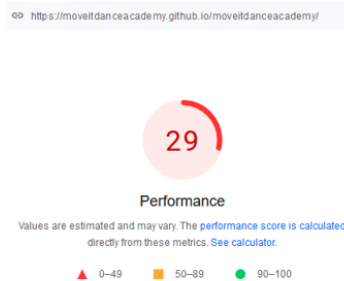
After:



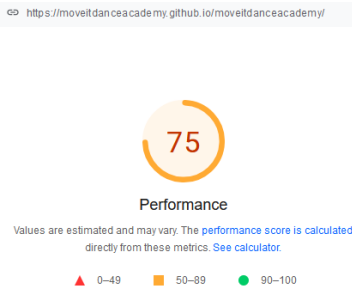
“Home” page: Anna Drozd

Mobile:

Before:

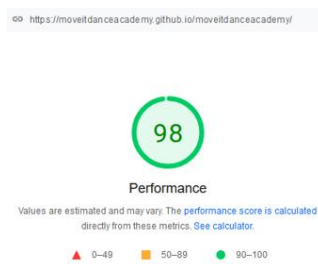


After:



Desktop:

Before:



After:

