# Mini Project 1 - Batman

## Overview

The purpose of my 1st Mini Project is designed to cover HTML, CSS and JavaScript skills I have learned in Modules 1-4. The website will include at least 3 pages, navigation, interaction with an external data source, and include techniques such as animation, fonts, templates, and bootstrap.

Setup:  
Have a new repository with your project one folder structure containing separate HTML, CSS and JavaScript files. For my folder structure, I have 3 HTML files (index.html, characters.html and games.html), 3 CSS files in the stylesheet folder (styles.css, characters.css and games.css), 5 JavaScript files in the script folder (searchBar.js, gamesFilterSearch.js and characterFilterSearch.js), 2 JSON files and the assets folder containing all the images (Images in separate folder for games and characters) for index, characters and games pages.

A screenshot of a computer

AI-generated content may be incorrect.

Project Scope:  
As the Lead Developer of this project, I am tasked to design and develop a website which I will be presenting to Users that you are able to show the filtering of data through one array by either filtering through search bar or checkboxes.

Here is a list of public APIs that I could use for my Website: <https://docs.google.com/spreadsheets/d/15iDpjqyBkSse9wcN7vvQvORBvX8P_ivAjm-iKXp776Y/edit?gid=0#gid=0>

[Batman API | Batman API](https://batmanapi.com/doc/batman-api/)

Acceptance Criteria (AC) / Requirements:  
Develop a website REQUIRING:

* At least 3 responsive working pages.
* User Interaction which changes data. (Input fields which you use in some way, like form or search field which will filter out what is on the page that the user wants.)
* Some data usage and data manipulation (such as filters, maps if you want to transform more than one array of data).

## Design (Figma):

1. Create a Wireframe for layout of the page:  
     
   **HOME (index.html)**  
   A screenshot of a computer

   AI-generated content may be incorrect.  
     
   **CHARACTERS (characters.html)**  
   A screenshot of a screen

   AI-generated content may be incorrect. **GAMES (games.html)**  
   A screenshot of a game

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2. Create a Mock-up to illustrate what the outcome would look like.  
     
   **HOME (index.html)**  
   A screenshot of a website

   AI-generated content may be incorrect.  
     
   **CHARACTERS (characters.html)**  
   A screenshot of a video game

   AI-generated content may be incorrect. **GAMES (games.html)**A screenshot of a video game

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3. Create a Flowchart to explain features and workflows for User.  
     
   A screenshot of a computer

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   The flowchart above shows the links from the home page on the left (index.html) to various other links (characters.html or games.html):

* The blue arrow: index.html page navigates to the characters.html page.
* The green arrow: characters.html page navigates back to the index.html page.
* The red arrow: characters.html page navigates to the games.html page.
* The purple arrow: index.html page navigates to the games.html page.
* The orange arrow: games.html page navigates back to the index.html page.
* The yellow arrow: games.html page navigates to the characters.html page.

## Development:

To meet the Acceptance Criteria / Requirements above, below is my code from each of my HTML, CSS, JavaScript and JSON files:

**HTML Code**

HOME (index.html)

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A computer screen shot of text

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A screen shot of a computer program

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A screen shot of a computer screen

AI-generated content may be incorrect.

A computer screen with text

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CHARACTERS (characters.html)

A screen shot of a computer code

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A screen shot of a computer program

AI-generated content may be incorrect.

GAMES (games.html)

A screenshot of a computer program

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**CSS Code**

styles.css

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character.css

A screen shot of a computer program

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A screen shot of a computer program

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games.css

A screen shot of a computer program

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**JavaScript Code**

characterFilterSearch.js

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A screen shot of a computer code

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gamesFilterSearch.js

A screen shot of a computer program

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A screen shot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer code

AI-generated content may be incorrect.

## References

Design: <https://www.figma.com/design/zNCrUH0Aa9uWWVCDEofWkd/Institute-of-Data--IOD----Mini-Project-1?m=auto&t=DCooREBK7whNtkZf-6>

GitHub: <https://github.com/saishk98/IoD-MiniProject1>

Batman API: <https://batmanapi.com/doc/batman-api/>