

## Task

My assignment website is the personal website.

## Folder Structure

The folder structure for the project is as described below:

```
>root
  >img
    >index
    >interests
    >projects
  >css
    index.css
  >js
    page.js
  index.html
  interests.html
  projects.html
  contact.html
```

All image files are omitted from the above structure for simplicity. The entry point for the website is `index.html`, which also serves as the “About” page.

## Description

The website is a simple portfolio site meant to introduce myself and my achievements and hobbies, as well as a way for people to contact me. Given the clear separation of these objectives, I decided to implement a tab-based interface, isolating each of the objectives within their respective tabs.

The rationale for this layout is because given the purpose as mentioned above, it would give an intuitive separation between the pages, as well as give the user the control more control and flexibility in the site navigation. To be more specific in terms of design principles, this is in accordance with:

### 1. Visibility/Feedback

Given a tab-based system, this would implicitly suggest a system of “state”, where the state of the website would refer to certain pages as linked to by each respective tab. Also, it provides the convenience of even specifying the medium of presenting the feedback to the user; the tabs themselves (highlighted when hovered, and remain highlighted when selected). This is implemented in all the 4 pages as the navigation tab bar positioned above, as well as in the Interests page, where selecting a certain game panel would also present information about the current sub-state to the user in a way highly similar to tabs.

## 2. Reduction of cognitive load

By modularizing the interface into tabs, this gives the users the flexibility of choosing what they want to view and when they want to view, as opposed to doing an in-page segmentation in a perhaps long vertical scroll. This makes users feel in control, and also reduces information overload with unnecessary data.

## 3. Familiarity/Accordance

In order to take advantage of users' familiarity with other similar user interface elements and induce an intuitive way of browsing for the user, the tab interface is designed to be reminiscent of modern browsers, placed above (not at the sides), and sized similarly. This further reinforces the idea of tabs in the user, and clicking between them to swap pages should come naturally to anyone who has used a web browser before.

Additionally, in order to not confuse users in the Contact page with many fields, special fields like the "Email" field have been prefixed with a special indicator (in this case the "@" icon), which instantly inspires the traditional image of email addresses in a user, and naturally should result in the user keying in his email address without having to visually confirm with the input label.

## 4. Use of images

On the About page, an image of an open book is used to signify a story, and by positioning text right above the open book, it draws the user's gaze in between the open pages, just like how a real book is read, drawing the user's attention towards the header title.

## Location of Elements

Each page is located in their respective HTML files with the same name, with the exception of the About page, which is named `index.html` in accordance to convention for the landing page.

CSS files are located in the `css` folder, due to the reuse of elements throughout the site in order to maintain consistency and reuse, all CSS classes are contained within one file `index.css`.

Form validation was done using the basic HTML5 pseudo selectors `required` and `email`. This can be found in the `contact.html` file.

The Bootstrap grid demo is mainly in the Projects page, where the cards have been placed in the grid which reacts to screen size and reassigns the cards per row as appropriate.

JQuery DOM manipulation scripts and methods have been done in `contact.html` as well as `interests.html`, where:

1. The Interests page has a dynamic game name display which is linked to the selected panel.

2. The Contact page has a form submit button, which after validation, will open a Bootstrap modal programmatically using JQuery selectors to indicate to the user that the message submission has been made.

3. Throughout all the 4 pages and the Interest page in the use of tabs, which have been implemented manually in the script file `page.js`, located in the `js/` folder, which uses JQuery selectors to add and remove style classes where necessary.

### **Special Instructions**

In order to not waste space in the student uploads with scripts and font files, I have used the CDN links for both Bootstrap and JQuery, as well as the addition of some Google Font APIs. In order for the sites to thus work fully, **a working Internet connection is required**. Images are included locally.