

## **Website's additional features**

Beside the core features that were required to be implemented, several additional features are present. I have attempted to implement a variety of them and some were removed due to their lack of usefulness or need of implementing another feature to accommodate it.

The features present include: gallery sidebar with animations, gallery 'full screen mode', review validation and sanitation (XSS injection prevention), review ratings, Google Maps embedded map and accessibility features (changing text size and switch between two colour schemes).

### **Gallery sidebar with animations**

I have added a gallery sidebar as a way of navigating the gallery. The first approach I thought would have been appropriate was to build a grid with thumbnails which would display an image full screen. However, I decided against it for various reasons but mainly because with more images present on a web page, network performance on slower bandwidths would be much worse.

In my gallery design, there is a vertical sidebar which contains 5 images at once. After selecting an image that is not present on the sidebar via main image navigation or after selecting previous/next batch of images via sidebar image navigation, the sidebar changes images to the previous/next 5 images. This approach is also animated and includes a basic animation queue control. Implementing the whole gallery was also the most demanding task of this assignment.

### **Gallery 'full screen mode'**

The gallery also includes a full screen mode of sorts which is enabled by clicking on the selected gallery image. Clicking in the full screen mode reverts it back to gallery.

### **Review validation and sanitation**

Review section includes input validation – saving empty comments won't work. Additionally, there is XSS protection included by escaping HTML characters which may appear in name or comment fields. This is hardly a useful feature, considering the website is scripted client-side only but it shows some capabilities of JavaScript.

### **Review ratings**

The review/comment section includes a rating system which allows users to enter a rating in stars (from 1 to 5). The rating is saved alongside comments but is not necessary to send a comment. Implementation of ratings included CSS to correctly show the stars and JavaScript to actually save user's rating.

### **Google Maps embedded map**

The contact page includes an embedded map using iframe element which links to Google Maps with a location. After clicking *more options*, user is sent to Google Maps. All implementation is on Google's side.

### **Accessibility features**

Every page has simple accessibility features – larger or smaller font (except gallery page) and normal or high-contrast mode. After clicking a relevant element, the appearance is changed. Refreshing reverts the changes.