

ARI 1102 – Programming for AI

Project Task Part 5: Final Submission

Specifications completion list

Completed:

Part 1: HTML Page Content

Part 2: Page Styling with CSS

Part 3: JavaScript, Dynamic HTML & Ajax

Part 4: User Review Page (Server Scription on Flask and Apache)

All parts of the project were completed.

Third-Party Components and Materials used

Title	Where it is used.	Why it was used.	Link
Bootstrap Template	Navigation Bar (Mainly).	To provide a base of a website but was mainly used for Navigation Bar purposes as I required help with the burger menu. Most of the HTML was removed and CSS was overwritten.	https://github.com/StartBootstrap/startbootstrap-clean-blog/tree/master
CSS gradients (CSS)	The text containers background found in “History Page” and “Attractions Page”. The form container background and ‘User Reviews’ background in the “User Review Page”.	Needed to find an aesthetic CSS gradient that would match with my website’s aesthetics.	https://webgradients.com
Font awesome icons	User reviews icons in message and time area in “User Review Page”.	Needed specific icons to add in my HTML to increase aesthetic appeal.	https://use.fontawesome.com/releases/v6.3.0/js/all.js

(HTML)	GitHub icon in footer.		
HTML symbols (HTML)	Navigation bar (Dark mode button). Go to Top button. Image Slider arrows in “Attractions Page”.	Needed icon codes to add in my HTML to increase aesthetic appeal.	https://www.toptal.com/designers/htmlarrows/symbols/
Image Slider (JS)	“Attractions Page” as image sliders.	Needed some basic JavaScript code of an image slider so that I could create my own.	https://dev.to/huericnan/creating-an-image-slider-with-html-css-and-javascript-4jl6
Go to Section Hyperlink (HTML)	Geneva map hyperlinks in red markers found in “Home Page”.	Needed HTML code to see how I could go to a specific section in my page.	https://www.geeksforgeeks.org/how-to-redirect-to-a-particular-section-of-a-page-using-html-or-jquery/
Dark Mode (JS)	Throughout the website.	Needed to see how ‘Dark Mode’ could save user option in local storage.	https://dev.to/quicksilvernel/create-a-darklight-mode-toggle-using-javascript-localstorage-55fd
Text shadow (CSS)	Geneva weather box text in Home Page.	Needed to find a format for a text shadow that is appealing in CSS.	https://developer.mozilla.org/en-US/docs/Web/CSS/text-shadow
Box shadow (CSS)	Across all pages in any type of container shadow.	Needed to find an aesthetic shadow format in CSS.	https://developer.mozilla.org/en-US/docs/Web/CSS/box-shadow
Keyframes animation (CSS)	Titles of all pages. Go to Top button bounce animation	Needed help with having some elaborate animations using only CSS.	https://developer.mozilla.org/en-US/docs/Web/CSS/@keyframes https://www.tutorialspoint.com/css/css_

	Slideshow image fade animation in “Attractions Page”.		animation_bounce.htm
Background video (HTML)	Header section in Attractions and User Review pages.	Needed help with having a muted looping video as a background in the heading section	https://www.gumlet.com/learn/how-to-add-html-video-background/
Break word and sentence (CSS)	‘User Reviews’ in “User Review Page”	Needed help with some CSS code regarding the prevention of long words and sentences going out of the box that they are contained in.	https://stackoverflow.com/questions/1795109/what-is-the-difference-between-word-break-break-all-versus-word-wrap-break
Resetting Errors (JS)	‘Review Form’ in “User Review Page”	Needed help with resetting the CSS styling for any validation error styling added upon refresh through JS.	https://stackoverflow.com/questions/69191483/how-to-clear-javascript-validation-error-messages-with-the-reset-button
Routing in Flask	app.py	Needed to know how I could route to all HTML pages.	https://flask.palletsprojects.com/en/stable/quickstart/

Limitations:

During the demonstration sessions, no limitations were identified.

Marketing

The Geneva website is a cutting-edge platform designed to provide an engaging and easy-to-use experience for users who wish to enhance their knowledge about the wonderful city of Geneva.

What makes it enjoyable?

Through interactive design and animations, users are provided with an immersive and enjoyable experience as they navigate through the site.

Interactivity was achieved by utilising animations throughout the website. Hovering over elements in the website will trigger engaging effects such as shadows and zoom-ins, all of which will enhance the user experience and keep them engaged, providing an overall more interactive website. Upon loading the website, users will be greeted by a smooth zoom-in animation of the page title with a contrasting background, creating a modern and welcoming introduction.

The map of Geneva serves as a great example of the combination of interactive and functional design. It consists of markers of various hotspots around the city where, if you click on them, a popup with a summary of information appears. For those who seek more detailed information about the respective hotspots, links to the respective Wikipedia pages are also included right below the summary section, ensuring easy access to resources.

What makes it stand out?

The website distinguishes itself through its modern, functional and responsive visual design. On the History and Attractions pages, hovering over content will activate an animation that encapsulates it in a container with a modern gradient background and a soft shadow. This not only enhances aesthetic appeal but also draws the user's attention to the content being read, adding an edge of originality to the website.

The User Review page is a space where users can both read and post feedback about the website, creating a sense of community. The Geneva Map furthers its functionality by including specific markers for all the locations mentioned on the website, where each marker consists of a summary and a link to the section where the location was mentioned on the website.

The Dark Mode feature adds a layer of personalisation to the website, with a simple click of a button, the styling of the website adapts to an even more stealthy and modern

design. This feature also enhances functionality as it improves user readability, especially in poorly lit environments.

Finally, the website is able to adapt to many different devices of different dimensions, ensuring responsiveness. This allows the users to enjoy the website regardless of the platform being used, making the website available to a much wider audience.
