

Computer Science 306: Web Development

Project Report

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DISCLAIMER - IMPORTANT

It is extremely important that the instructor be patient when grading the website!
If certain material won't load, take a step back and step forward through the web pages, and make sure to be patient when looking through the website, as the content will show. Different machines have different loading times.

This paper does not cover the already existing functionality added from the CS206 Project.

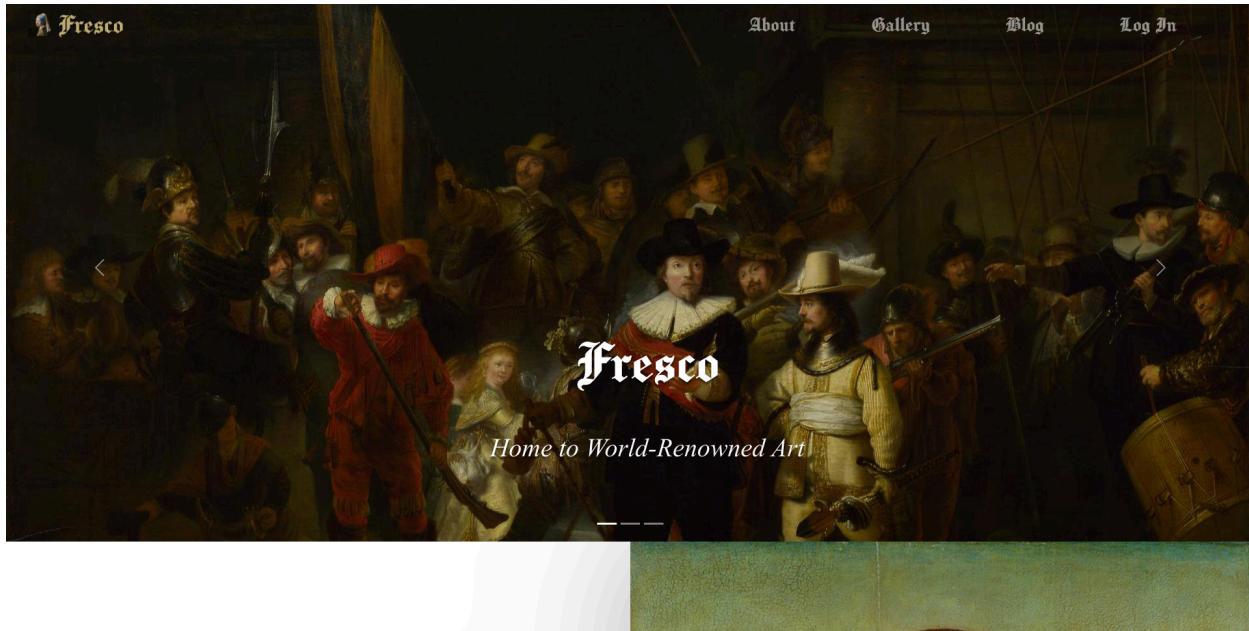
Motivation

The purpose of this project was to implement the necessary HTML, CSS, and even JS skills to create a well-thought-out front-end design. The motivation behind this project comes from a desire to create an art blog where people could post and share about their favorite pieces of art and browse the online gallery.

In addition, this project is full-stack, meaning it can create and insert data into its database as well as exhibit other CRUD operations. In comparison to its predecessor project, this project contains Bootstrap, AJAX, SQL and PHP technologies.

Functionality

The website houses a lot of very noticeable as well as a few very discrete features. There is use of an image carousel from Bootstrap as well as the ability to hide and stick the navbar.



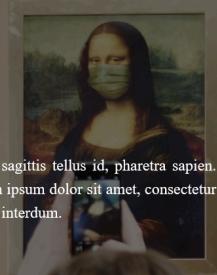
The footer in addition boasts a sophisticated design with an image as its background.



Speaking of sophisticated, the About page contains the most sophisticated design. It is a one page with a background of a video that scrolls through the content and not the page.

History

Nunc malesuada nec magna sit amet luctus. Proin ac ligula rutrum, sagittis tellus id, pharetra sapien. Mauris nisl erat, porta bibendum erat in, gravida pretium purus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla convallis libero sit amet nisl aliquet, at finibus ex interdum.



Mission

Nunc malesuada nec magna sit amet luctus. Vestibulum sit amet tempus eros. Phasellus sagittis, purus non dignissim vestibulum, magna velit facilisis urna, eget convallis enim massa gravida odio. In interdum massa sit amet ultrices malesuada. Praesent faucibus lorem a eros pellentesque, sed fermentum sem mattis. Nunc malesuada nec magna sit amet luctus. Proin ac ligula rutrum, sagittis tellus id, pharetra sapien. Mauris nisl erat, porta bibendum erat in, gravida pretium purus.



The newly added user Profile page allows the user to see, edit and delete all of their posts. It comes with a custom text that accommodates their username. In addition, it also lets them write a review straight from their profile.



johndoe's Profile

[Write](#)

Name	Content	Actions
Book of Kells review	asasdadasdasdas	Delete Edit
October Review	Lorem ipsum dolor sit amet, consec...	Delete Edit

[Log Out](#)

Additionally, there is a small icon next to the title of each webpage.

When it comes to the backend, the Blog or Review page is the creme de la creme.

[Search](#)
[Filters](#)
[Sort](#)
[Refresh](#)

Book of Kells review

asasdadasdasdas...

[Show More ->](#)

Cyclops review

Content here....

[Show More ->](#)

The page now boasts new features as can be seen on the image above. The search function works dynamically and cuts out the unmatched search properties as the user types into the search bar. The Filter function displays only the posts of the selected epoch. The sorting function sorts the results in both ascending and descending alphabetical order. It is important to

note that filter and sort DO NOT work simultaneously. It's either one or the other. The button for refresh takes the display back to the default, which is all the posts made by all the users.

The edit page is similar in design to the Write page but in functionality different.

The screenshot shows the Fresco application's Write page. At the top, there is a navigation bar with links for About, Gallery, Write, and Log In. The main title "Write" is centered above a form. The form has two dropdown menus: "Title:" containing "Book of Kells review" and "Painting:" containing "Book of Kells". Below these is a large text area labeled "Body:" containing the text "asasdadasdas". At the bottom right of the form are two buttons: "Update" (in a gold box) and "Cancel".

Additionally to the title and content, the user can also chose the painting they want to review from the dropdown menu. Needless to say that the dropdown menu contains all the images from the gallery which are stored inside the database.

Finally, this is what viewing a review looks like



Baroque Review

Some content here.

← Back



Where the title and content, as well as the photo is taken out of the database.

The Database

The database consists of four tables

<input type="checkbox"/> art	 Browse  Structure  Search  Insert  Empty  Drop	26	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> reviews	 Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> user	 Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> userreviews	 Browse  Structure  Search  Insert  Empty  Drop	3	InnoDB	latin1_swedish_ci	32 KiB	-

The art table stores all the art and their epochs (used for filtering as explained earlier) as well as the source locations to the art. The reviews table stores all the reviews made; the user table consists of all the users and the userreviews table is a cross table between users and reviews.