

COSC 4P02 Winter 2023

Progress Report 2

NOTL Museum Interactive Map

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NOTL Museum Interactive Map

Project Summary

Current Status

Phase

Development

Status



On Track

Summary

In the last sprint we were able to catch up on previous issues and the project is currently on track

Objective

The Niagara-On-The-Lake Museum requires an interactive map for their visitors.

- An interactive map for the Niagara-On-The-Lake Museum which will provide locations of exhibits, entrances and exits, washrooms, and other museum services that may be required by visitors. When a user clicks on an exhibit or service, further information will be displayed.
- A database which allows staff to easily update the information displayed on the map

Value

Provide the museum with an easy to maintain product whilst also providing an enhanced experience when exploring the museum and its exhibits.

Stakeholders

- Victoria Peel (vp19ew)
- Andrea Baker (ab20zg)
- Hannah Chan (hc18tc)
- Jacob Lavell (jl17hg)
- Katherine Joun (kb09xf)

Customer Name

- Niagara-on-the-Lake Museum

TA

- Brendan Park

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Completed Feature: Frontend UI \ UX

Feature Under Development: Frontend UI \ UX

Completed Feature: Interactive Map

Feature Under Development: Interactive Map

Reported Issues

Outcome

Team Contributions

Milestones

Sprint 4 -March 14th, 2023 - March 28th, 2023

Sprint 4 was successful and allowed us to make up for the previous sprints where the project had fallen behind. Many of the components of the project have been created e.g. UI, database.

Date	Event	Issue	Completed	Scope
Mon, Mar 13 2023, 7:55pm	Sprint started	W2023-23 As museum management I need to map to be usable on most devices so that the majority of our visitors can access it regardless of their device (phone, tablet, laptop) W2023-9 As museum management, I want to ensure that the look and feel of the interactive map matches the rest of the website to create a cohesive experience. W2023-27 As a visitor, I would like to see a map that provides more information on museum exhibits when a location is clicked W2023-53 As museum staff I want to be able to make changes to the database W2023-4 As a museum curator, I need to be able to update photos and exhibit information at each map location	0	48
Tue, Mar 28 2023, 1:14pm	Estimate updated	W2023-9 As museum management, I want to ensure that the look and feel of the interactive map matches the rest of the website to create a cohesive experience.	0	48 → 50
Tue, Mar 28 2023, 2:35pm	Issue completed	W2023-9 As museum management, I want to ensure that the look and feel of the interactive map matches the rest of the website to create a cohesive experience.	0 → 5	50
Tue, Mar 28 2023, 2:40pm	Issue completed	W2023-23 As museum management I need to map to be usable on most devices so that the majority of our visitors can access it regardless of their device (phone, tablet, laptop)	5 → 16	50
Tue, Mar 28 2023, 2:41pm	Issue completed	W2023-27 As a visitor, I would like to see a map that provides more information on museum exhibits when a location is clicked	16 → 24	50
Tue, Mar 28 2023, 2:49pm	Issue completed	W2023-53 As museum staff I want to be able to make changes to the database	24 → 40	50
Tue, Mar 28 2023, 3:00pm	Added to sprint	W2023-24 As museum management I need the map to be easy for visitors to access so that our staff don't spend time trouble shooting technology.	40	50 → 51
Tue, Mar 28 2023, 3:00pm	Issue completed	W2023-24 As museum management I need the map to be easy for visitors to access so that our staff don't spend time trouble shooting technology.	40 → 41	51
Tue, Mar 28 2023, 3:04pm	Added to sprint	W2023-26 As museum staff, I would like to ensure that the map accurately reflects the museum layout.	41	51 → 56
Tue, Mar 28 2023, 3:04pm	Removed from sprint	W2023-26 As museum staff, I would like to ensure that the map accurately reflects the museum layout.	41	56 → 51
Tue, Mar 28 2023, 3:15pm	Sprint completed	W2023-23 As museum management I need to map to be usable on most devices so that the majority of our visitors can access it regardless of their device (phone, tablet, laptop) W2023-9 As museum management, I want to ensure that the look and feel of the interactive map matches the rest of the website to create a cohesive experience. W2023-27 As a visitor, I would like to see a map that provides more information on museum exhibits when a location is clicked W2023-53 As museum staff I want to be able to make changes to the database W2023-4 As a museum curator, I need to be able to update photos and exhibit information at each map location W2023-24 As museum management I need the map to be easy for visitors to access so that our staff don't spend time trouble shooting technology.	41	51

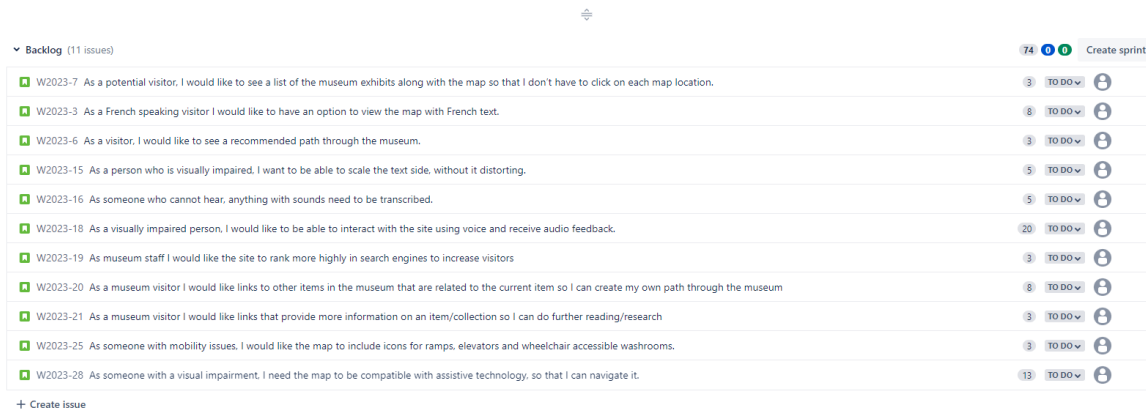
Sprint 5 - March 28th, 2023 - April 11th, 2023

This is the current sprint, the main purpose of this sprint is to connect the UI (both backend and frontend) to the museum database.

Date	Event	Issue	Completed	Scope
Tue, Mar 28 2023, 3:15pm	Sprint started	W2023-5 As museum management, I would like to ensure that only authorized staff have access to updating information. W2023-8 As a visitor, I would like to be able to quickly identify the locations of museum services, such as information, washrooms, security W2023-26 As museum staff, I would like to ensure that the map accurately reflects the museum layout. W2023-58 Connecting database to backend W2023-60 Connecting database to frontend W2023-4 As a museum curator, I need to be able to update photos and exhibit information at each map location	0	42

Backlog - April 11th, 2023 -

This is the current backlog. We have 1 sprint left to complete it much of these components are “nice to have” and so will their inclusion in the project is not guaranteed and will be decided when the success of the current sprint is seen.



▼ Backlog (11 issues)		74	0	0	Create sprint
W2023-7	As a potential visitor, I would like to see a list of the museum exhibits along with the map so that I don't have to click on each map location.	3	TO DO	▼	👤
W2023-3	As a French speaking visitor I would like to have an option to view the map with French text.	8	TO DO	▼	👤
W2023-6	As a visitor, I would like to see a recommended path through the museum.	3	TO DO	▼	👤
W2023-15	As a person who is visually impaired, I want to be able to scale the text size, without it distorting.	5	TO DO	▼	👤
W2023-16	As someone who cannot hear, anything with sounds need to be transcribed.	5	TO DO	▼	👤
W2023-18	As a visually impaired person, I would like to be able to interact with the site using voice and receive audio feedback.	20	TO DO	▼	👤
W2023-19	As museum staff I would like the site to rank more highly in search engines to increase visitors	3	TO DO	▼	👤
W2023-20	As a museum visitor I would like links to other items in the museum that are related to the current item so I can create my own path through the museum	8	TO DO	▼	👤
W2023-21	As a museum visitor I would like links that provide more information on an item/collection so I can do further reading/research	3	TO DO	▼	👤
W2023-25	As someone with mobility issues, I would like the map to include icons for ramps, elevators and wheelchair accessible washrooms.	3	TO DO	▼	👤
W2023-28	As someone with a visual impairment, I need the map to be compatible with assistive technology, so that I can navigate it.	13	TO DO	▼	👤

+ Create issue

Project Lifecycle

Project Launch

Report Deadlines

- ✓ Project Proposal (Due: Tuesday, Jan 17th)
- ✓ First Sprint and Backlog (Due: Tuesday, Jan 31st)
- ✓ First Progress Report (Due: Sunday, Mar 5th)
- ✓ Second Progress Report (Due: Sunday, April 2nd)
- ➡ Final Report (Due: Sunday, April 30th)

Presentations

- ✓ Mandatory progress presentation: Tuesday, March 14th
- ➡ Optional progress presentation: Late March or early April
- ➡ Final mandatory presentation: Last week of April

Discovery

Before the first sprint started the team took time to understand the scope of the project. We tried to anticipate what the client would need. We took inspiration from other

museums implementation of interactive maps, we used the brief from the virtual reality project to understand the clients “brand” as well as the type of customer they attract. We also spent a lot of time understanding the accessibility requirements for websites by familiarizing ourselves with AODA

Findings from our research can be found [here](#)

Planning and Design

As our team were unfamiliar with front end technologies we had to use the planning and design phase not only create wireframes for the UI of the map but also research the technologies available to implement the user stories

Details of our tech stack can be found [here](#)

Development

Our second development phase has included adding features to the responsive front end of the site as well as designing and building both the database and the UI pages for staff database interaction.

Code for the project can be found [here](#)

Delivery

Whilst the project is not being delivered to the client in phases we have seen the project as being developed in 3 phases

- Static, responsive website showing the map with the locations of interest
- An interactive website which pulls information from the database to populate its views
- Accessibility features added as well as an user friendly database interface

Development Features

Completed Feature: Frontend UI \ UX

Overview

Design a clean and intuitive layout for museum visitors to access the map on multiple devices

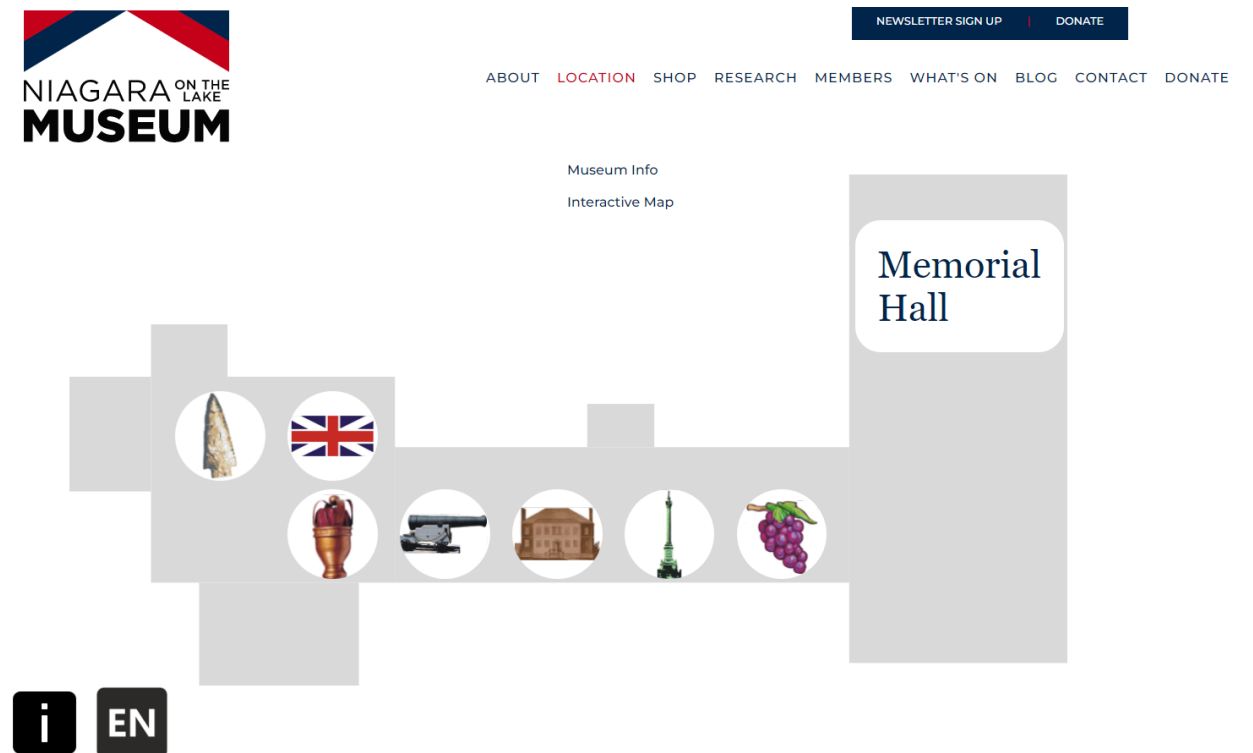
User Stories

ID	DESCRIPTION	STATUS	POINTS
W2023-14	Clear and Intuitive Layout	✓ Done	13
W2023-23	Multiple Devices	✓ Done	11
W2023-17	Large Web Elements	✓ Done	13
W2023-13	Readable Colour Contrast	✓ Done	3
W2023-9	Seamless Aesthetic with Existing Museum Site	✓ Done	5
W2023-27	Additional Info Available on Map	✓ Done	16
W2023-53	Easily Accessible for Visitors	✓ Done	1
W2023-10	Links to Rest of Website	✓ Done	3

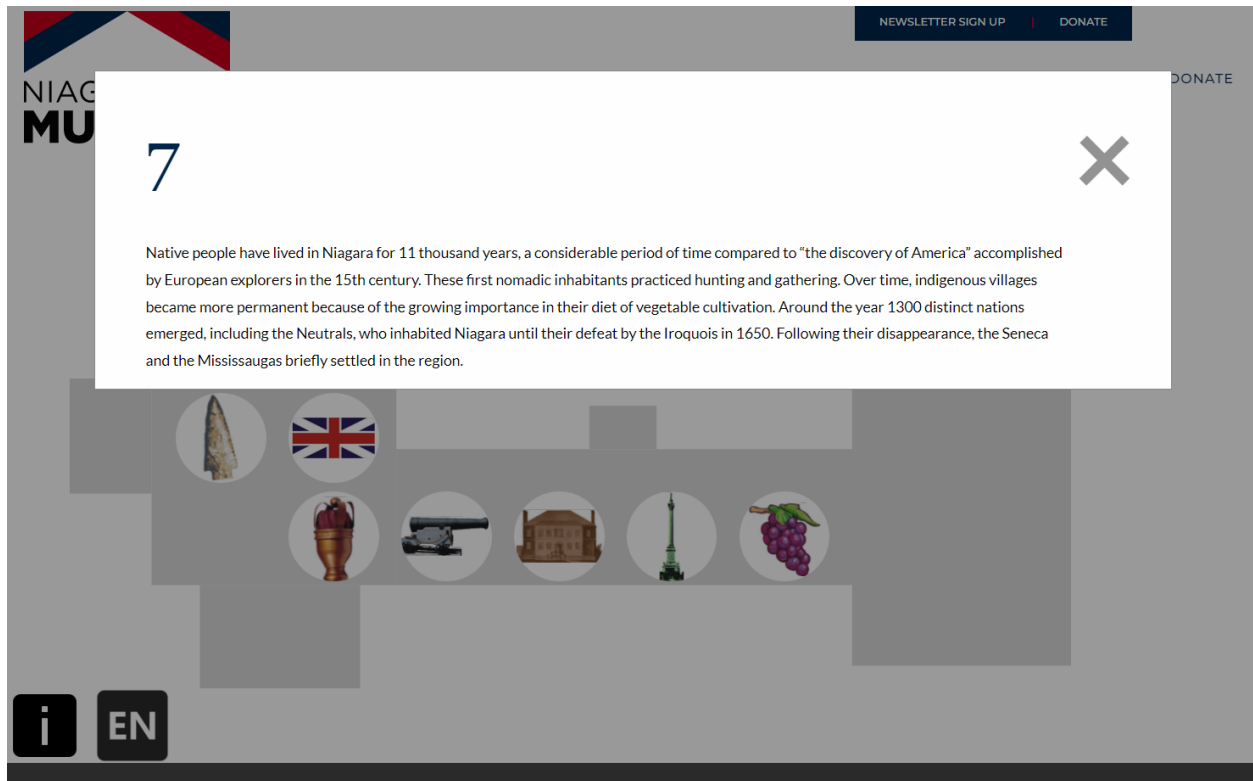
Working System

Full code files can be found [here](#)

Main Page



Information Popup



Hours of Operation:

Open every day from 1 pm - 5 pm November through April
(10 am - 5 pm May through October)

The **Museum is closed** on the following holidays: Good Friday, Easter Sunday, Thanksgiving Day, and during the Christmas season between December 18th and January 1st.

PARKING: Free street parking is available out front for Museum patrons, but it is limited. More free street parking can be found on both Castlereagh and Davy Streets. Paid parking lots are available on Platoff Street, at Fort George and at the Court House.



DONATE

Admissions:

Adults - \$5

Seniors (60+) - \$3

Students (full-time) - \$2

Age 18 and under - FREE

Location:



The museum is located on 43 Castlereagh Street.

DONATE



English

Français




EN

Feature Under Development: Frontend UI \ UX

Overview

The map should be easy to understand and read for all users



ID	DESCRIPTION	STATUS	ESTIMATE
W2023-8	Quickly identify museum services	 Developing	3 points

Completed Feature: Interactive Map

Overview

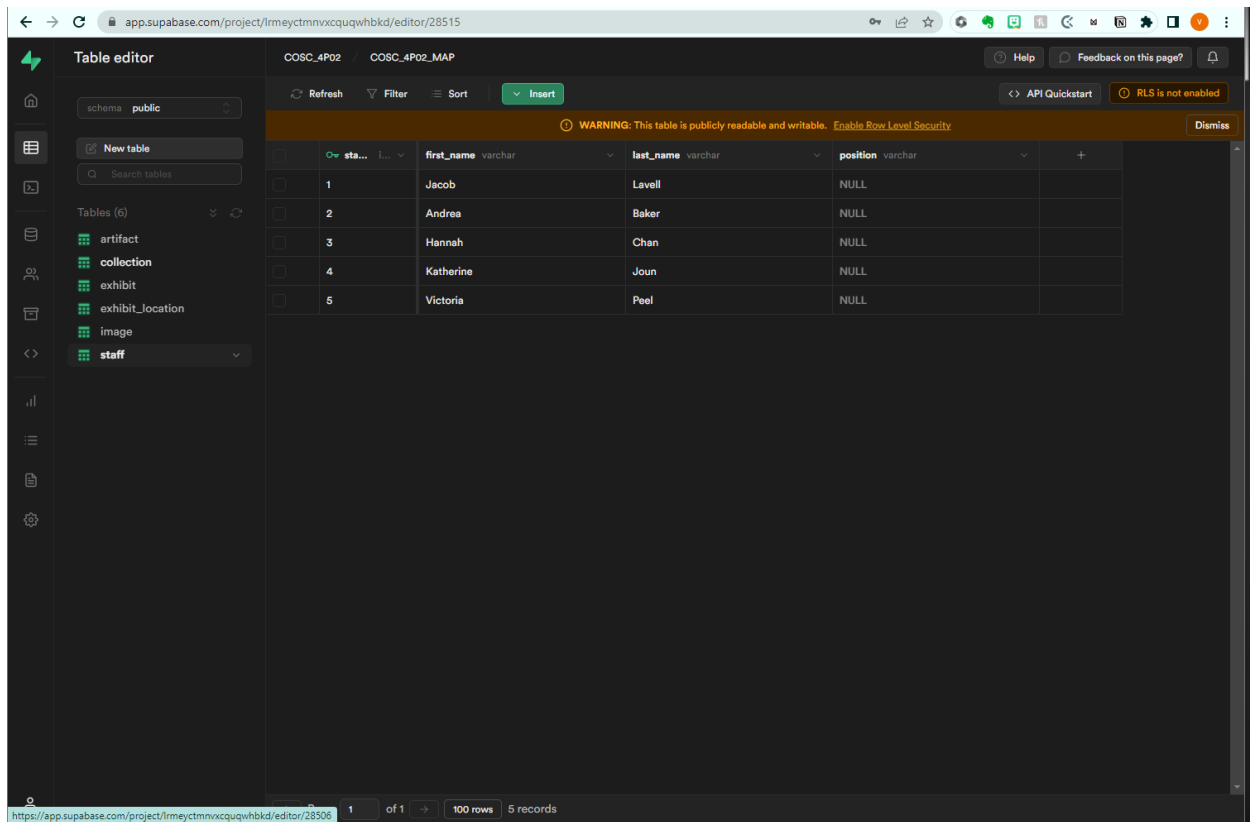
The map elements should pull from a database to populate views

User Stories

ID	DESCRIPTION	STATUS	POINTS
W2023-51	Create database and queries	 Done	3 points
W2023-53	Ability to Make Changes to Database	 Done	14 points

Working System

Deployed database to Supabase



UI for staff access to database

Full code files can be found [here](#)

Interactive Map Administrative Access

Log in to Manage and Edit the Interactive Map

Employee ID:

Password:

[Forgot your login info?](#)

Log In

Manage Artefacts

EXHIBIT MAP EXHIBIT LIST ARTEFACT LIST

OPTIONS

ARTEFACTS		ASSOCIATED EXHIBIT	TAGS	
Description	Exhibit 1 ▼		Tags	edit / delete
Description	Exhibit 1 ▼		Tags	edit / delete

Create New
Artefact

Create New Artefact

ENGLISH DATA

FRENCH DATA

OPTIONS

Title:

Description:

Upload Audio Description:

Choose File

No file chosen

Tags:

Associated Exhibit:

Exhibit 1

Upload Images or Video:

Choose File

No file chosen

Create Artefact

Cancel




Logout

Feature Under Development: Interactive Map

Overview

A system that allows the museum staff to easily interact with the database to update map views

User Stories

ID	DESCRIPTION	STATUS	ESTIMATE
W2023-58	Connecting database to backend	 Developing	8 points
W2023-60	Connecting database to frontend	 Developing	8 points
W2023-5	Authorise staff access to db	 Developing	8 points

Reported Issues

No issues in this round

Progress Report 2

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Outcome

Project is currently on schedule. By the end of the current sprint a functioning product should be available, allowing the final sprint to be a chance to add “nice to have” features

Team Contributions

- Victoria
 - Documentation
 - Building database and basic queries
 - Building backend UI
- Andrea
 - Collecting data from client
 - Ensuring connection from map website to existing website
 - Building backend UI
- Hannah
 - Created style guide
 - Ensured seamless aesthetic with original website
- Jacob
 - Built responsive front-end
 - Added interactive front-end features
- Katherine
 - Deployed database to Supabase

Git Hub Logs

Jan 8, 2023 – Apr 2, 2023

Contributions: Commits ▾

Contributions to main, excluding merge commits and bot accounts

