

COSC 4P02 Winter 2023

Progress Report 1

NOTL Museum Interactive Map

Progress Report 1

NOTL Museum Interactive Map

Project Summary

Current Status

Phase

Design & Planning

Development

Status



Off Track

Summary

We are currently approximately one week behind schedule due to including a holiday week in our previous sprint which led to some issues not being able to be resolved in time.

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

Table of Contents

NOTL Museum Interactive Map

Project Summary

Current Status

Objective

Value

Stakeholders

Table of Contents

Milestones

Project Lifecycle

Project Launch

Discovery

Planning and Design

Development

Delivery

Development Features

Completed Feature: Frontend UI \ UX

In-Progress Features: Responsive Site

In-Progress Feature: Interactive Map

In-Progress Features: Ability to update exhibit info

Reported Issues

Investigation

Development

Outcome

Team Contributions

Milestones

Sprint 1 -January 31st, 2023 - February 14th, 2023

The first sprint was reasonably successful, most tasks were completed. Our main issue in this sprint was not fully breaking down user stories into tasks. This led to some confusion over task definition as well as assigning tasks that were too large to complete in one sprint.

Date	Event	Issue	Completed	Scope
Tue. Jan 31 2023. 6:11pm	Sprint started	W2023-22 Tech Stack W2023-26 Accuracy of map locations W2023-14 Clear and intuitive layout W2023-9 Seamless aesthetic with rest of the website W2023-17 Large web elements W2023-13 Readable colour contrast W2023-30 Predictive Text	0	45
Wed. Feb 01 2023. 12:35pm	Estimate updated	W2023-9 Seamless aesthetic with rest of the website	0	45 → 43
Tue. Feb 14 2023. 2:31pm	Issue completed	W2023-22 Tech Stack	0 → 3	43
Tue. Feb 14 2023. 2:39pm	Issue re-opened	W2023-22 Tech Stack	3 → 0	43
Tue. Feb 14 2023. 2:50pm	Issue completed	W2023-30 Predictive Text	0 → 3	43
Tue. Feb 14 2023. 3:10pm	Issue completed	W2023-13 Readable colour contrast	3 → 6	43
Tue. Feb 14 2023. 3:25pm	Issue completed	W2023-17 Large web elements	6 → 19	43
Tue. Feb 14 2023. 3:25pm	Issue completed	W2023-14 Clear and intuitive layout	19 → 32	43
Tue. Feb 14 2023. 3:26pm	Removed from sprint	W2023-22 Tech Stack	32	43 → 40
Tue. Feb 14 2023. 3:26pm	Removed from sprint	W2023-9 Seamless aesthetic with rest of the website	32	40 → 37
Tue. Feb 14 2023. 3:26pm	Removed from sprint	W2023-26 Accuracy of map locations	32	37 → 32
Tue. Feb 14 2023. 3:27pm	Sprint completed	W2023-14 Clear and intuitive layout W2023-17 Large web elements W2023-13 Readable colour contrast W2023-30 Predictive Text	32	32

Sprint 2 - February 14th, 2023 - February 28th, 2023

The 2nd sprint was not very successful. The main issue was only making this a two week sprint that included one week of vacation, schedules were different and this led to some difficulties in resolving issues that arose. Our main issue here was problems with setting everyone up on Git successfully meaning people were not able to access the code. We also recognised that some tasks were larger than one sprint and therefore were made into epics.

Date	Event	Issue	Completed	Scope
Tue. Feb 14 2023. 3:46pm	Sprint started	W2023-22 Tech Stack W2023-9 Seamless aesthetic with rest of the website W2023-26 Accuracy of map locations W2023-23 Multiple devices W2023-4 Ability to update exhibit info	0	32
Tue. Feb 28 2023. 2:39pm	Issue completed	W2023-22 Tech Stack	0 → 3	32
Tue. Feb 28 2023. 2:44pm	Estimate updated	W2023-22 Tech Stack	3 → 8	32 → 37
Tue. Feb 28 2023. 3:04pm	Removed from sprint	W2023-23 Multiple devices	8	37 → 26
Tue. Feb 28 2023. 3:05pm	Removed from sprint	W2023-26 Accuracy of map locations	8	26 → 21
Tue. Feb 28 2023. 3:05pm	Removed from sprint	W2023-4 Ability to update exhibit info	8	21 → 11
Tue. Feb 28 2023. 3:05pm	Removed from sprint	W2023-9 Seamless aesthetic with rest of the website	8	11 → 8
Tue. Feb 28 2023. 3:21pm	Sprint completed	W2023-22 Tech Stack	8	8

Sprint 3 - February 28th, 2023 - March 14th, 2023

This is our current sprint. We agreed that the outcome of sprint 2 was an anomaly so we used to story point data from sprint 1 to assist in planning. Our main concern at this point is that we are unable to access any data from the museum as the museum will not provide any more groups with data and no data has been shared. This means someone will have to physically go to the museum and schedules have no allowed that so far.

Date	Event	Issue	Completed	Scope
Tue, Feb 28 2023, 3:45pm	Sprint started	W2023-23 Multiple devices W2023-26 Accuracy of map locations W2023-4 Ability to update exhibit info W2023-9 Seamless aesthetic with rest of the website W2023-51 Write SQL Queries to create database W2023-27 Interactive Map Functionality W2023-10 Links with the rest of the site	0	43

Backlog - March 14th, 2023 -

This is our current backlog. We have at least 2 sprints left to complete this. Based on our story points from the 1st sprint we think this is manageable however, we will have a better view by the end of our current sprint at which point we will reassess which of the backlog items are most important

Backlog

W2023-10 Links with the rest of the site

Backlog (15 issues)

86 Create sprint

- W2023-7 Text list of museum exhibits (3)
- W2023-8 Find museum services (3)
- W2023-5 Only authorized staff able to make updates (8)
- W2023-3 Language Translation (8)
- W2023-6 Recommended path through the museum (3)
- W2023-15 Scalable text (5)
- W2023-16 Audio Transcripts (5)
- W2023-18 Text to speech (20)
- W2023-19 Text to speech (3)
- W2023-20 Links to similar/related exhibit items (8)
- W2023-21 Internal and external links for more information (3)
- W2023-24 Easily accessible (1)
- W2023-25 Mobility accessibility (3)
- W2023-28 Assistive Technology Compatibility (13)
- W2023-53 Pull exhibit information from database (1)

+ 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 first development phase has included building a responsive non-interactive version front end of the site as well as designing the structure of the backend and the staff interface for interacting with the database

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

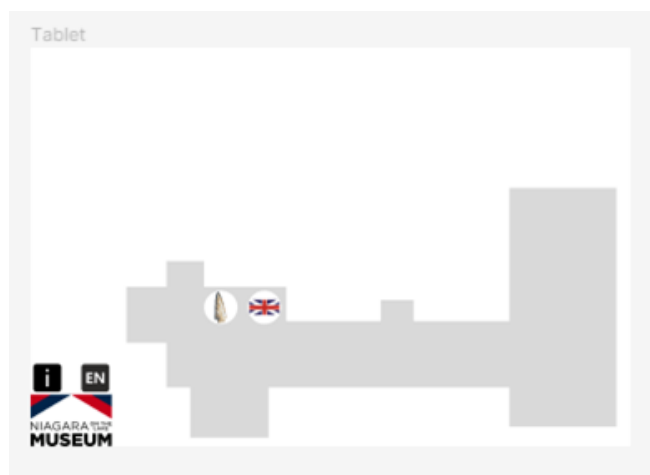
User Stories

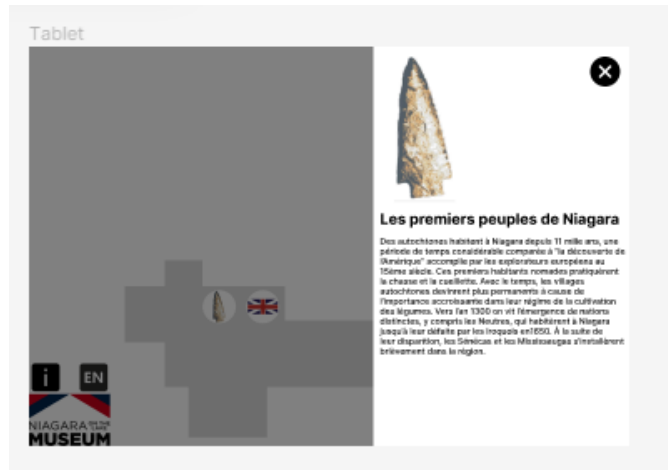
ID	DESCRIPTION	STATUS	POINTS	ACTUALS
W2023-14	Clear and Intuitive Layout	✓ Done	13	13
W2023-23	Multiple Devices	✓ Done	11	11

ID	DESCRIPTION	STATUS	POINTS	ACTUALS
W2023-17	Large Web Elements	✓ Done	13	13
W2023-13	Readable Colour Contrast	✓ Done	3	3

UX Designs

The full set of wireframes for the front end can be found [here](#)








In-Progress Features: Responsive Site

Overview

The ability to view the map on a variety of screen sizes

User Stories

ID	DESCRIPTION	STATUS	ESTIMATE
W2023-23	Multiple devices	 Developing	13 points
W2023-9	Seamless aesthetic with existing	 Developing	3 points
W2023-10	Links to the rest of the existing	 Developing	3 points

Working System





In-Progress Feature: Interactive Map

Overview

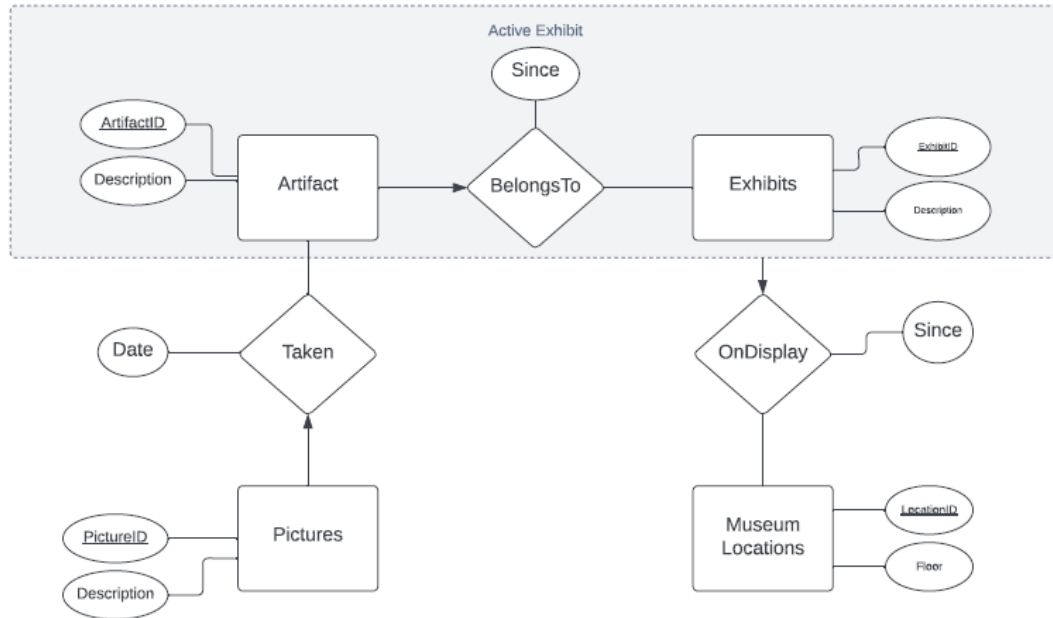
The map elements should pull from a database to populate views

User Stories

ID	DESCRIPTION	STATUS	ESTIMATE
W2023-51	Create database and queries	 Developing	3 points
W2023-27	Interactive map functionality	 Developing	8 points

Database Model

Full set of database modelling documents can be found [here](#)



In-Progress Features: Ability to update exhibit info

Overview

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

User Stories

ID	DESCRIPTION	STATUS	ESTIMATE
W2023-4	Ability to update exhibit info	Developing	13 points

UX

The full set of wireframes for the front end can be found [here](#)

Log-in



NEWSLETTER SIGN UP

DONATE

ABOUT VISIT SHOP RESEARCH MEMBERS WHAT'S ON BLOG CONTACT DONATE

Interactive Map Administrative Access

Log in to Manage and Edit the Interactive Map

Employee ID:

Password:

[Forgot your login info?](#)

Log in



Create New Artefact

ENGLISH DATA

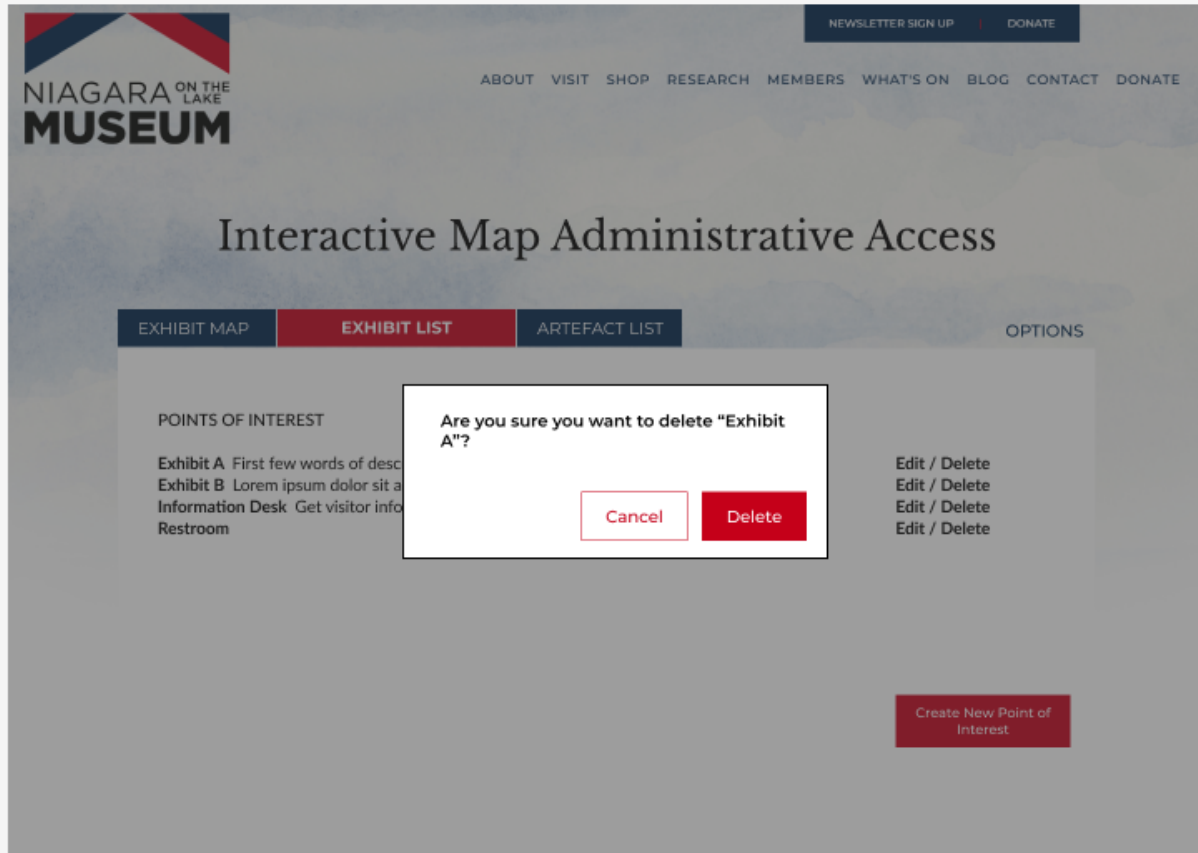
FRENCH DATA

OPTIONS

Title: *	<input type="text"/>
Description:	<input type="text"/>
Upload Audio Description:	<input type="text"/> <input data-bbox="1047 693 1120 718" type="button" value="Browse..."/>
Tags:	<input type="text"/>
Associated Exhibit:	<input type="text" value="Select an exhibit or start typing"/> <input type="button" value="v"/>
Upload Images or Videos:	<input type="text"/> <input data-bbox="1047 829 1120 854" type="button" value="Browse..."/>

Cancel

Create Artefact



Reported Issues

Investigation

- Client Information \ Site Data

REPORTED	SEVERITY	STATUS	CLOSED	RESOLUTION
28/02/2023	Medium	Investigation	No	TBD

Summary

As we are unable to get any data from the museum it has made it difficult to really understand the scope and / or expectations of the project.

Resolution

We will continue to use placeholder text and images to develop the site.

Root Cause Analysis

Museum has provided data for the project and we are unable to find who has it

Development

- Unable to access Git documents

REPORTED	SEVERITY	STATUS	CLOSED	RESOLUTION	
28/02/2023	High	Closed	1/03/2023	Team training	

Summary

Team members were unable to access Git documents as they had not merged successfully

Resolution

Information was given to team members on how to set up ssh correctly

Root Cause Analysis

Some git accounts had not been set up correctly

Outcome

Project is currently slightly behind schedule mainly due to the knowledge base of the team. We hope to resolve the issue during sprint 3

Team Contributions

- Victoria
 - Documentation
 - Ensuring correct use of Jira
 - User stories
- Andrea
 - Documentation and meetings
 - User stories
 - Database Design
- Hannah
 - Researched tech stack
 - Set up systems such as Jira and Git
 - User stories
- Jacob
 - Designed Frontend
 - Developed first iteration of frontend
 - User stories

- Katherine
 - Designed frontend
 - Designed backend UI
 - User stories

Git Hub Logs

