

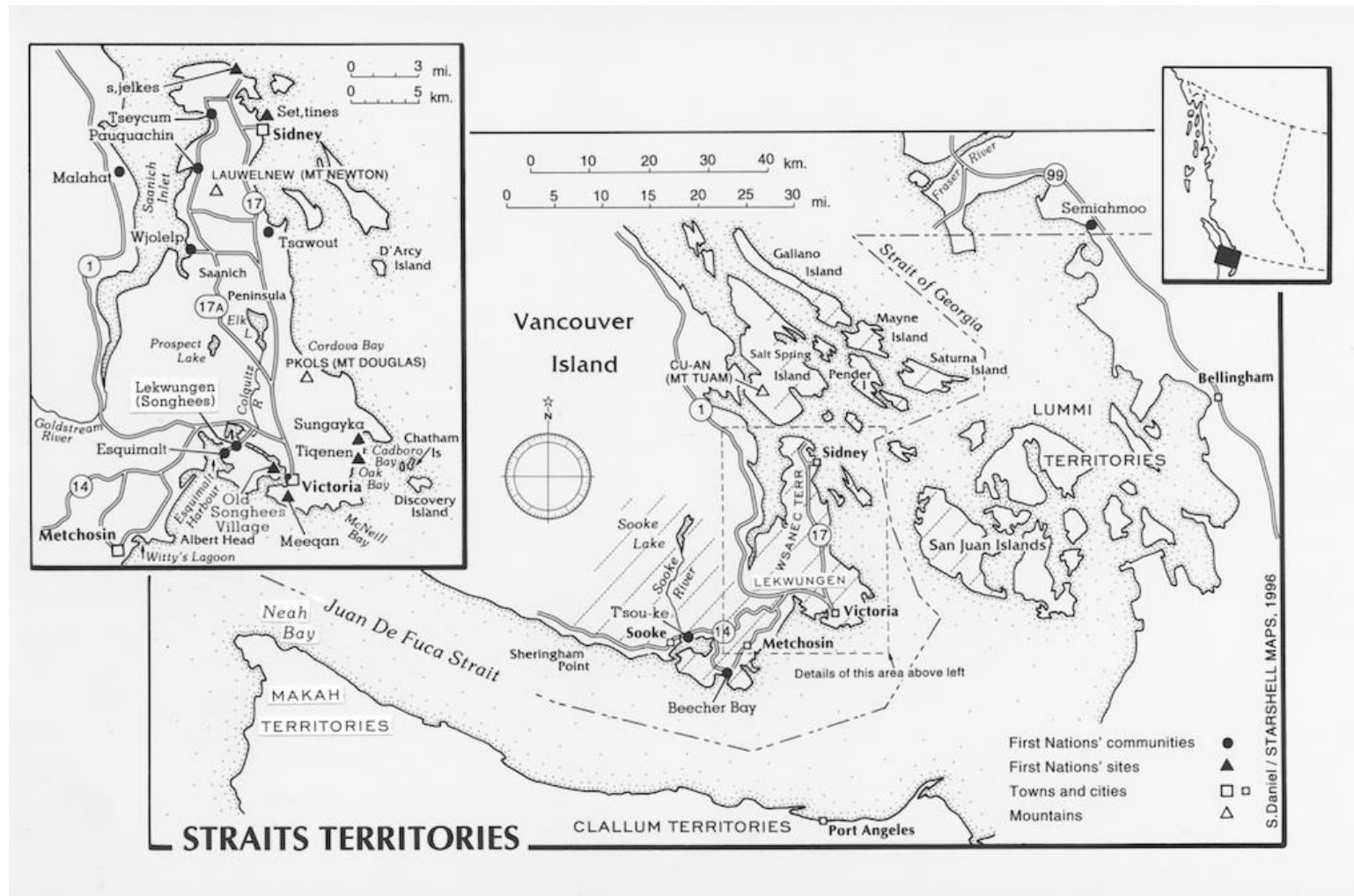
Capstone 2021

Reporting and Dashboard Service Improvement

Client - BC Government OCIO-DIO

Team RDSI

Territorial Acknowledgement



Map of Straits Territories of Vancouver Island from the University of Victoria's Art Collection:
<https://legacy.uvic.ca/gallery/salishcurriculum/files/2015/04/Map-3-A-Straits-Territories-1JPEG-copy.jpg>

Topics



Our Team



Our Client



The Business Problem



Our Approach



Our Solution



Our Prototype

Our Team

Government of BC

Shashank

- Product Owner

Poornima

- OpenShift Specialist
- CI/CD

Robert

- Solution Architect

Camosun

Samara

- UX/UI
- Front End Developer

Sunghwan

- DevOps
- Full Stack Developer

Our Client

OCIO - Digital Investment Office

Reports to the
Office of the Chief
Information Officer
(OCIO)

Manages capital
investment funding
for projects that aim
to improve digital
services for citizens.

Ministries that are
awarded funding
must report their
performance
quarterly.



Ministry of
Citizens' Services

The Business Problem

- Reports are submitted manually via excel spreadsheets.
 - Manual process is time consuming.
 - Subjective fields cause data discrepancies.



Data captured in reports is difficult to aggregate.



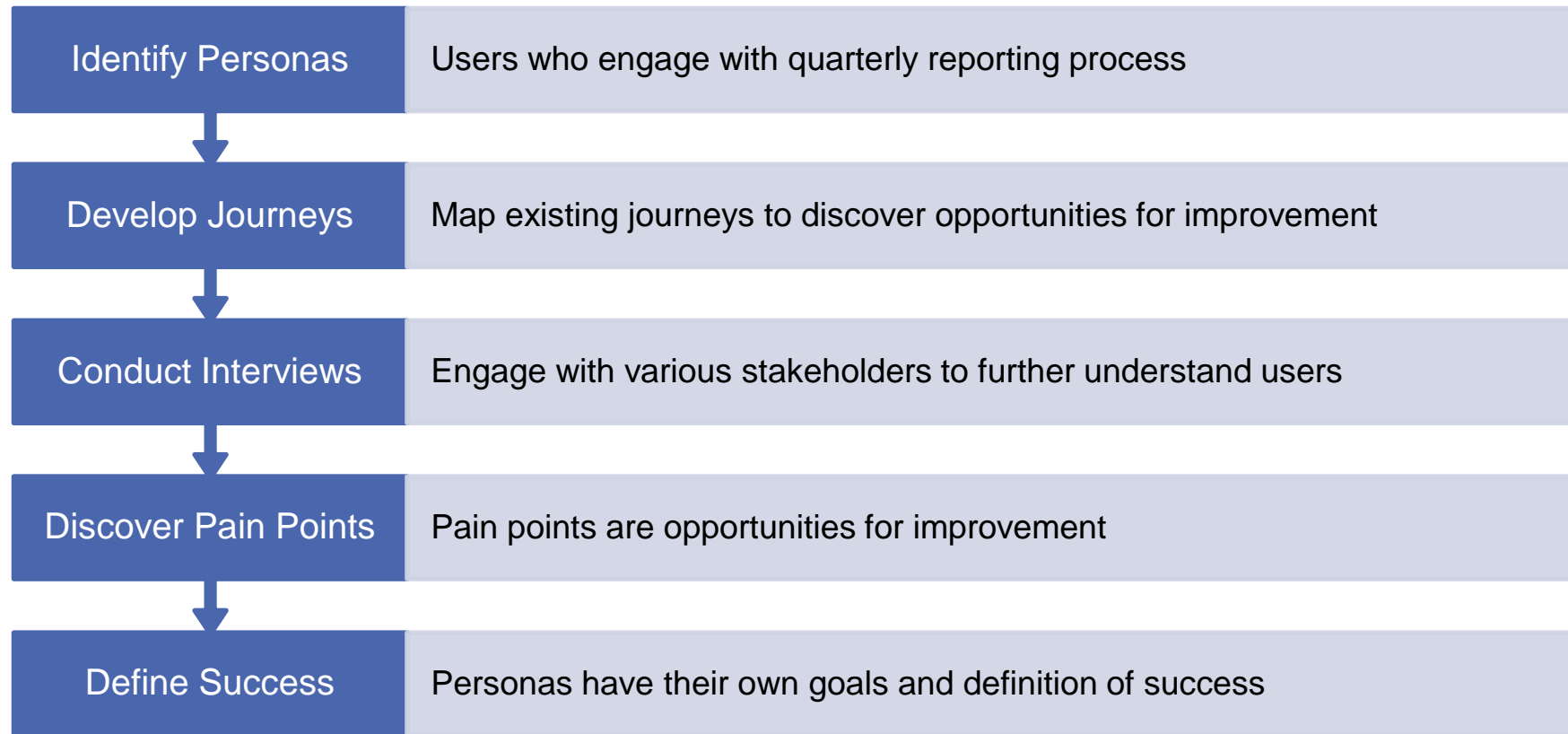
Reviewers spend a significant amount of time cross referencing documents for simple changes.

Our Approach

Sprint	1	2	3	4	5	6
Focus	User Research	Design	Ramp Up	Feature	Refine	Document

- Adopt the Agile project development methodology.
- Transform existing processes into an efficient modern user experience.

Understanding & Transforming Existing Processes



Our Solution



Developed a Suite of Wireframes



Created a Robust Solution Architecture



Integrate Key Performance Indicators



Delivered a Working Proof of Concept



Hosted Solution Prototype on BCDevExchange OpenShift Environment



Provided Documentation & GitHub Repository

Our Prototype



Built Using MERN Stack

MongoDB

Express

React

NodeJS

User Journeys Implemented

Submitter Creates New Project

Submitter Submits Quarterly Report

Finance Analyst Reviews Quarterly Report

Thank You!

To Our Sponsors and Camosun Faculty

To Our Clients and the BC Government
OCIO – Digital Investment Office

Project Repo: <https://github.com/bcgov/citz-dst-capstone-2021/>