



YQGDataPortal

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An Agile Approach to Software Development

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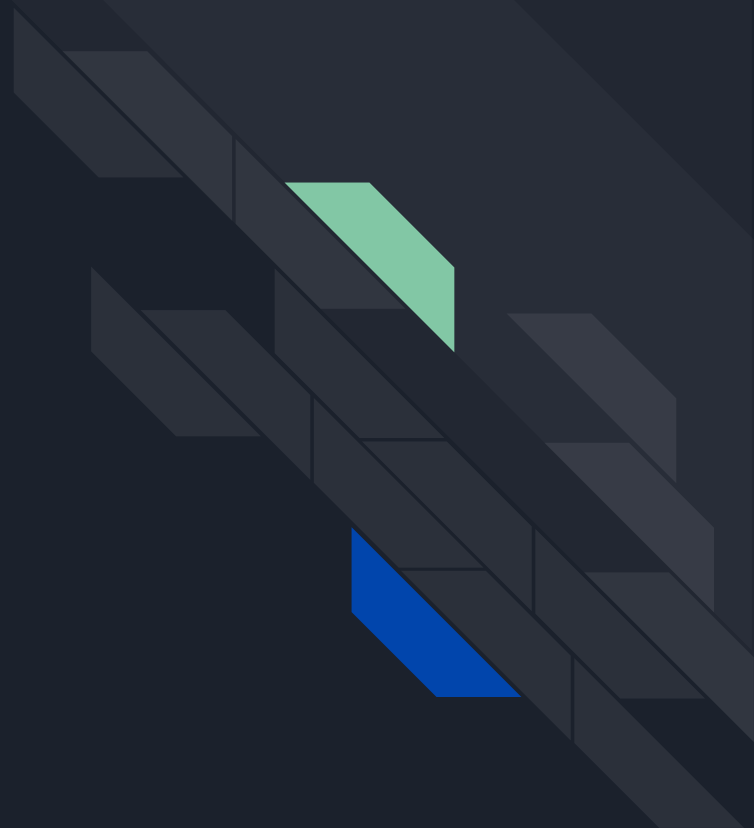
YQGDataPortal:

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Project timeline





Project objective

- Assist City of Windsor to develop the next open data portal
- Data accessible dynamically
- Interactive implementation of datasets

Understanding the problem

01

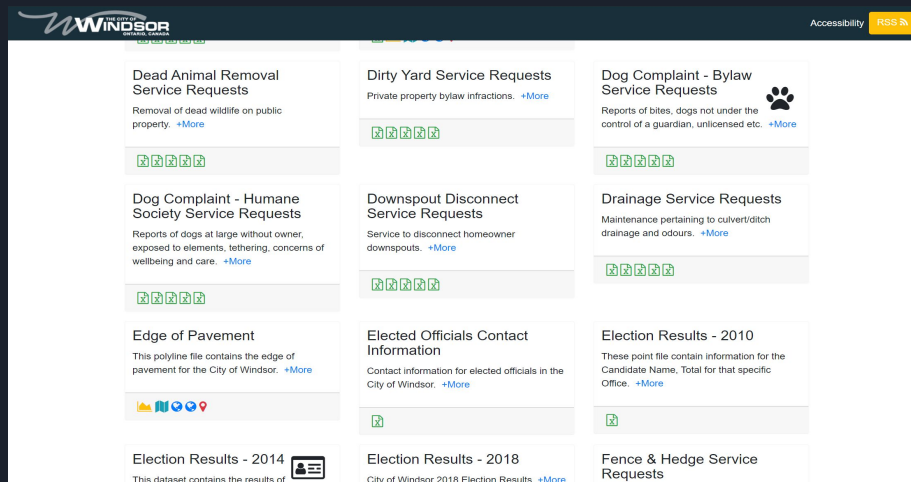
Users must download datasets to view it
>Inconvenient

02

Visuals are not provided for most datasets
>Non-user friendly

03

Not categorized
>Unorganized





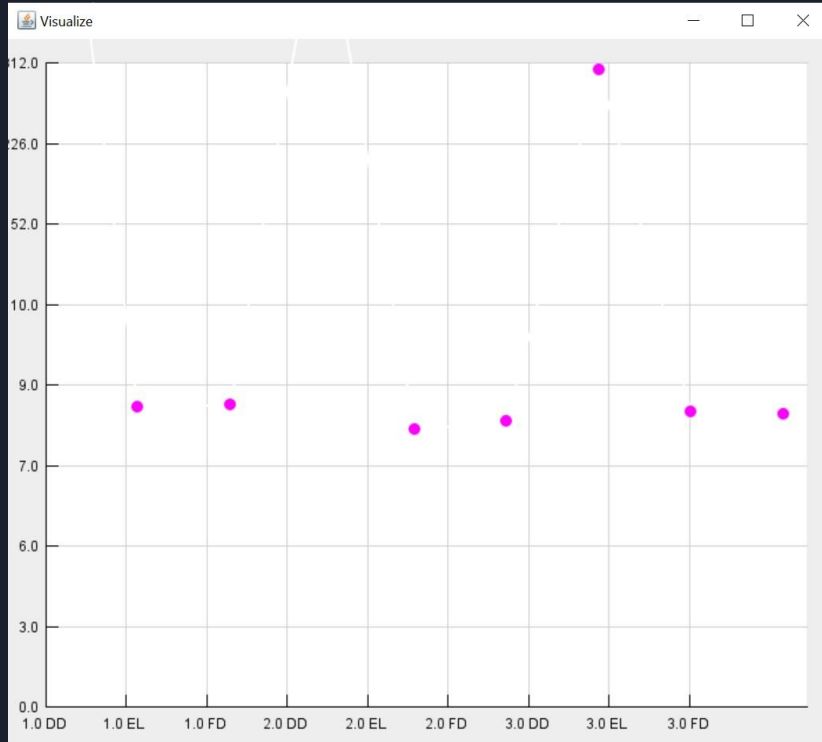
Inception

Use Case (#1) Name	Filtering search by themes
Scope	Open Data Management Tool
Primary Actor	User
Interests	The search engine will provide the user to search datasets according to their choice

Use case (#2) name	Visualize a dataset
Scope	Open Data Management Tool
Primary actor	User
Interests	The graphs or maps of the dataset will be displayed for each data

Use Case (#3) Name	Accessing APIs of a dataset
Scope	Open Data Management Tool
Primary actor	Developer
Interests	The API will get the request from the developer for the data and the API will send a response data in return

Elaboration I



Designed a Java Swing application which takes a dataset and creates a graph

Problems:

- Only works for two fields
- Bad design
- Not suitable for every dataset



Elaboration II

- Supports loose coupling

The application is compatible on a larger scale (more datasets)

- MVC model

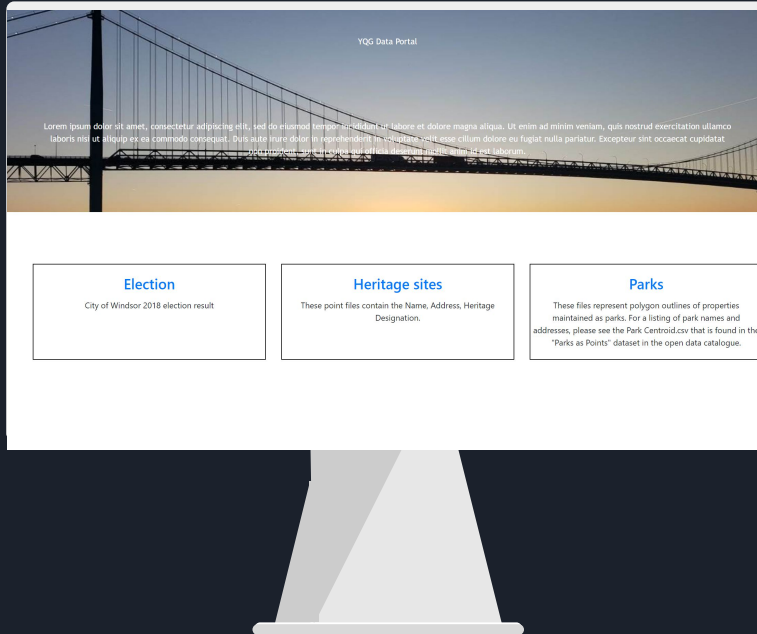
Used as an architectural design pattern

- Analyse

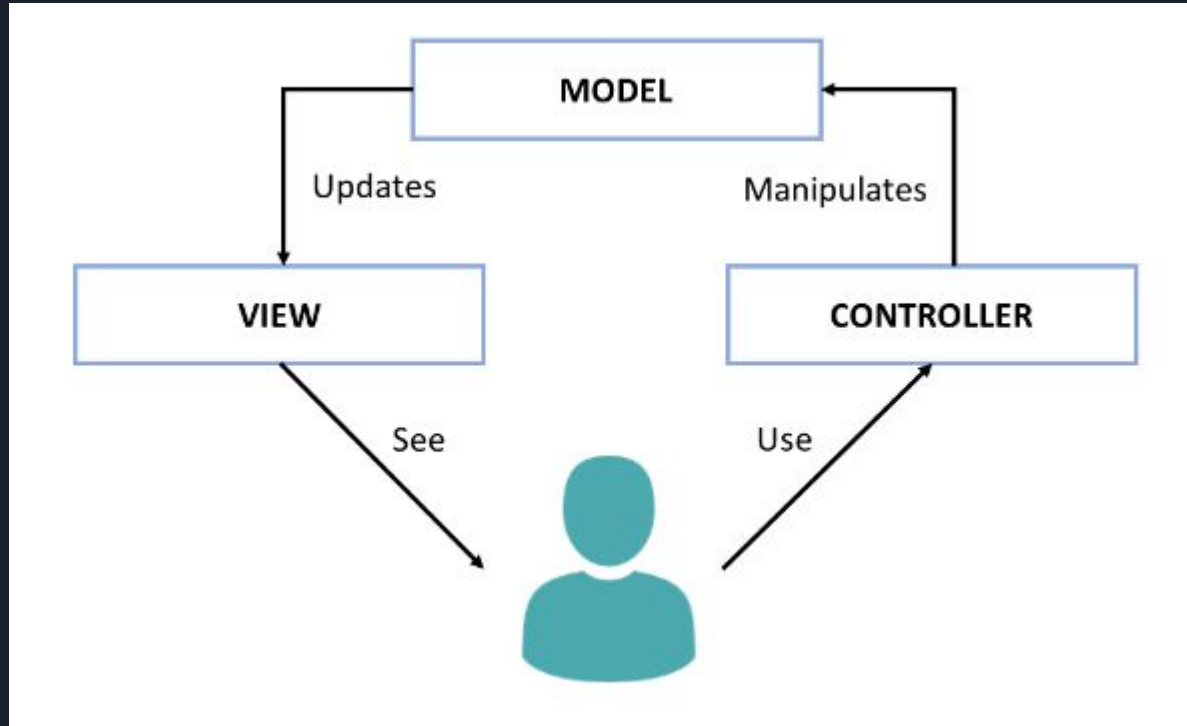
Checked whether the requirements are met

YQGDataPortal

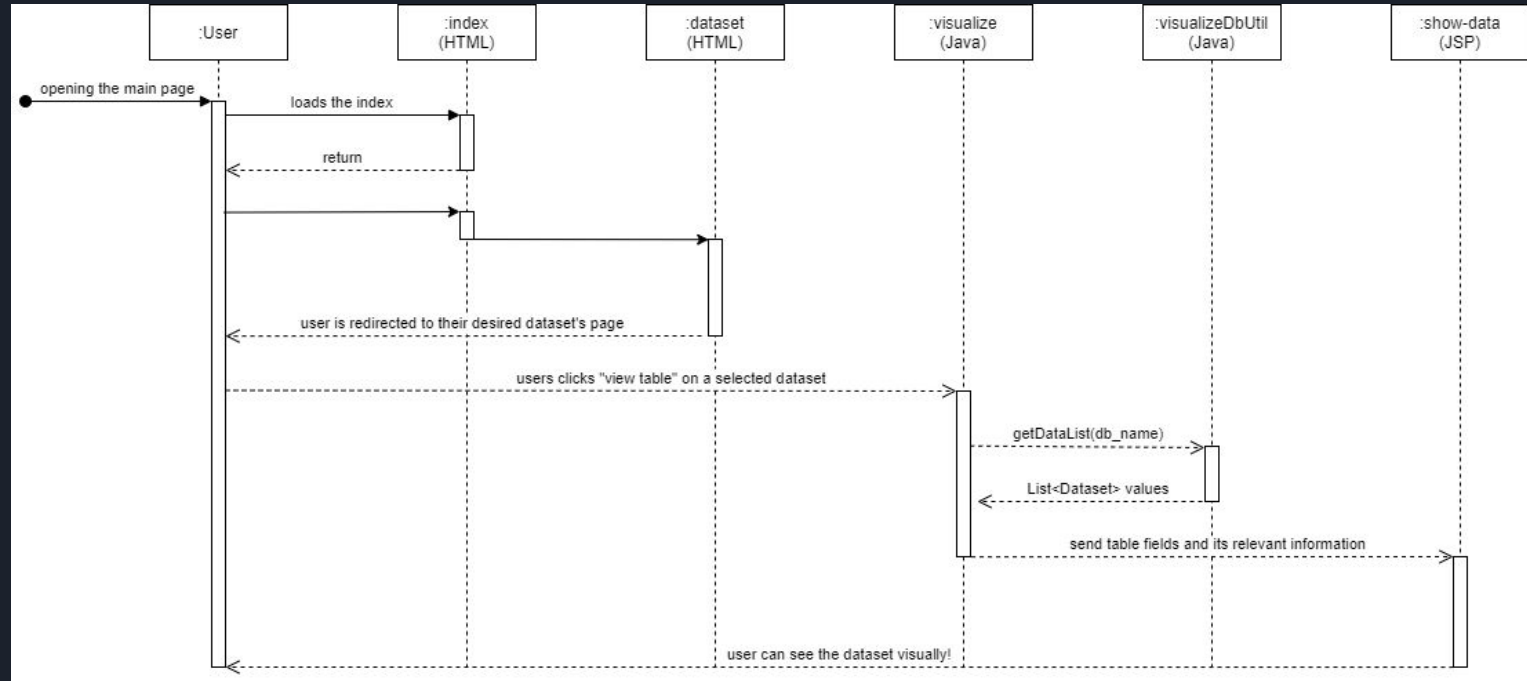
A new approach to open data



Approach



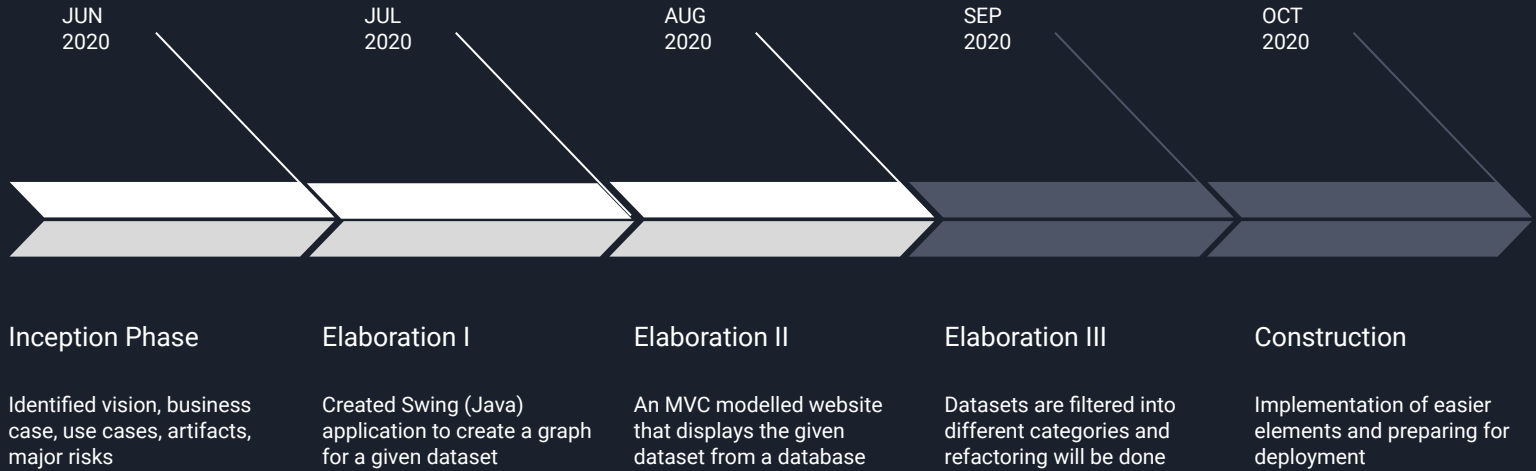
Sequence Diagram







Project timeline





Thank you!

Contact us for feedback

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