



CSP 586

Environment
Dashboard

Team 22

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Overview

Using an online dashboard to provide users the access to explore and analyze the Environmental Complaints data kept by the City of Chicago

Why is this important?

- Keeps politicians honest

- Transparency in government

Applications

- Check your neighborhood

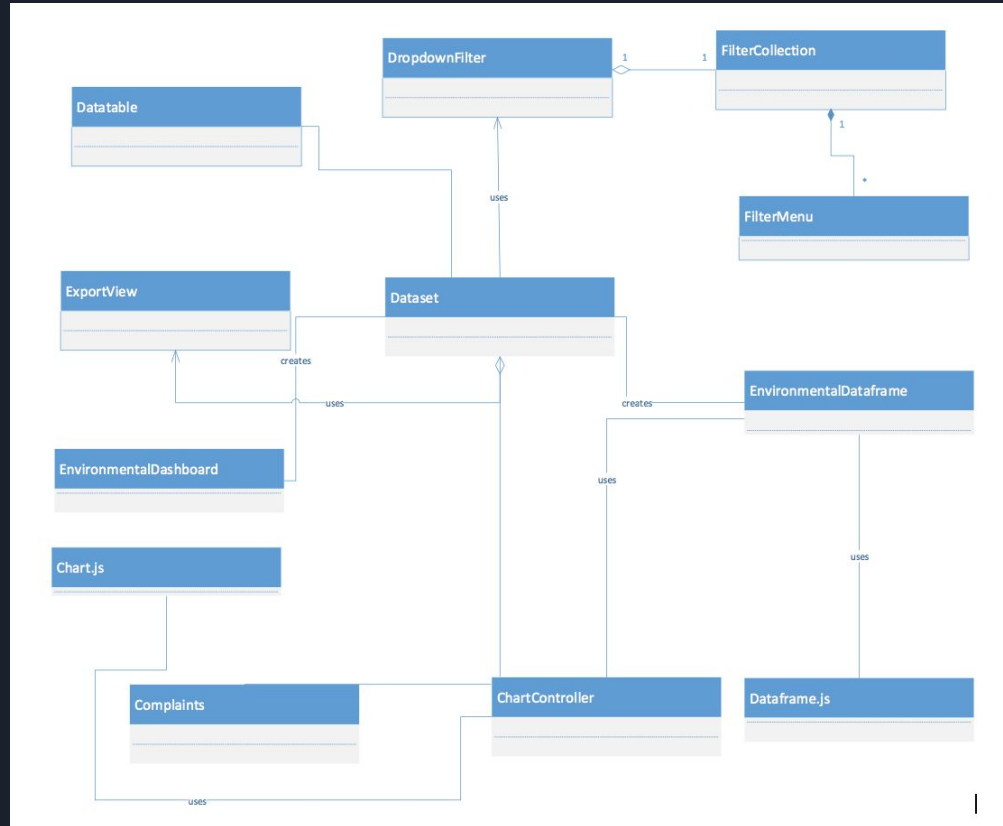
- See what's getting done



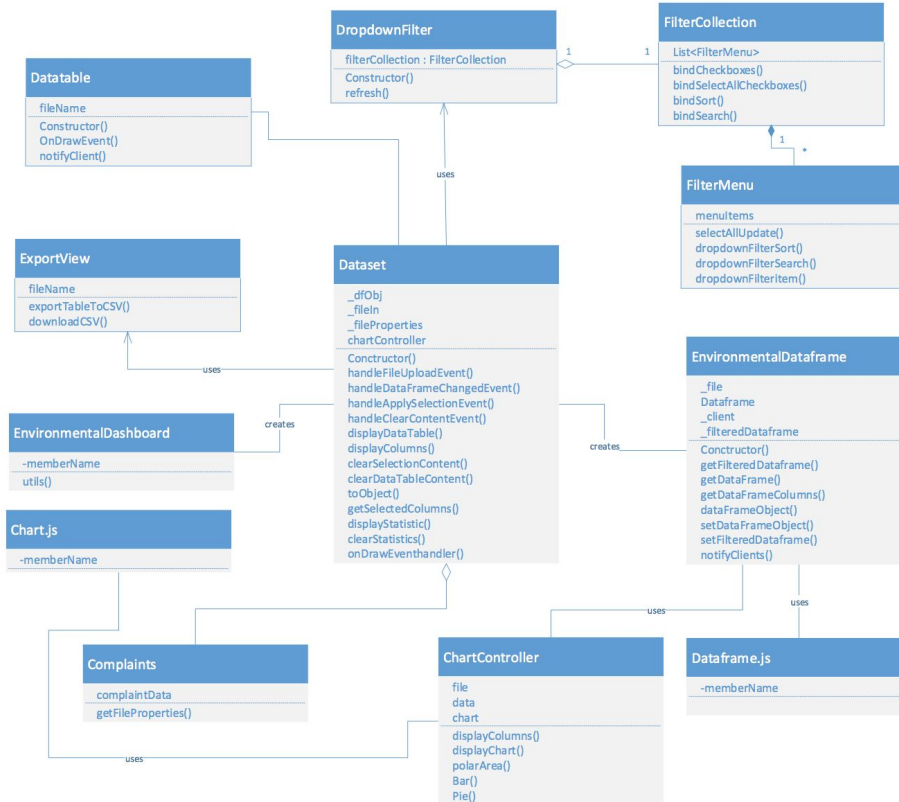
Functionality

- Select a dataset
- Sort on column
- Select within column
- Select column by name
- Export data
- Clear data
- Show Statistics
- Create charts

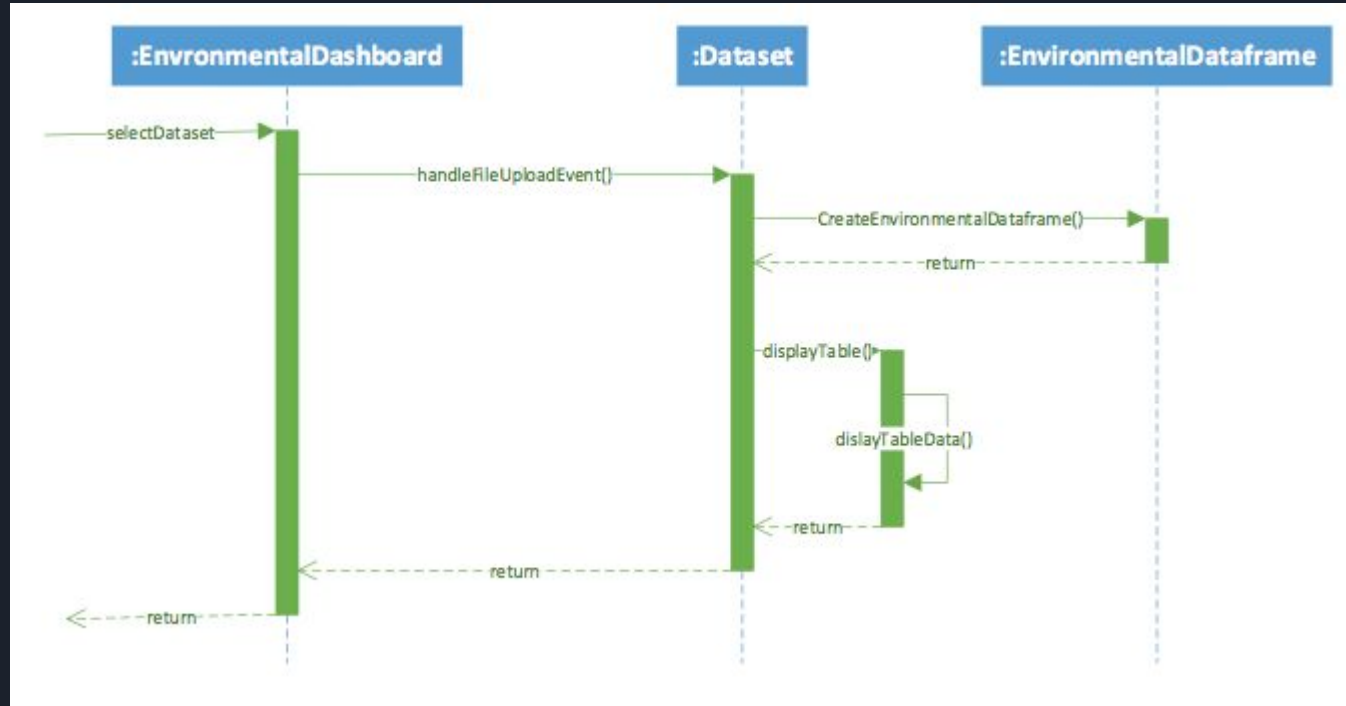
Analysis Model Class Diagram



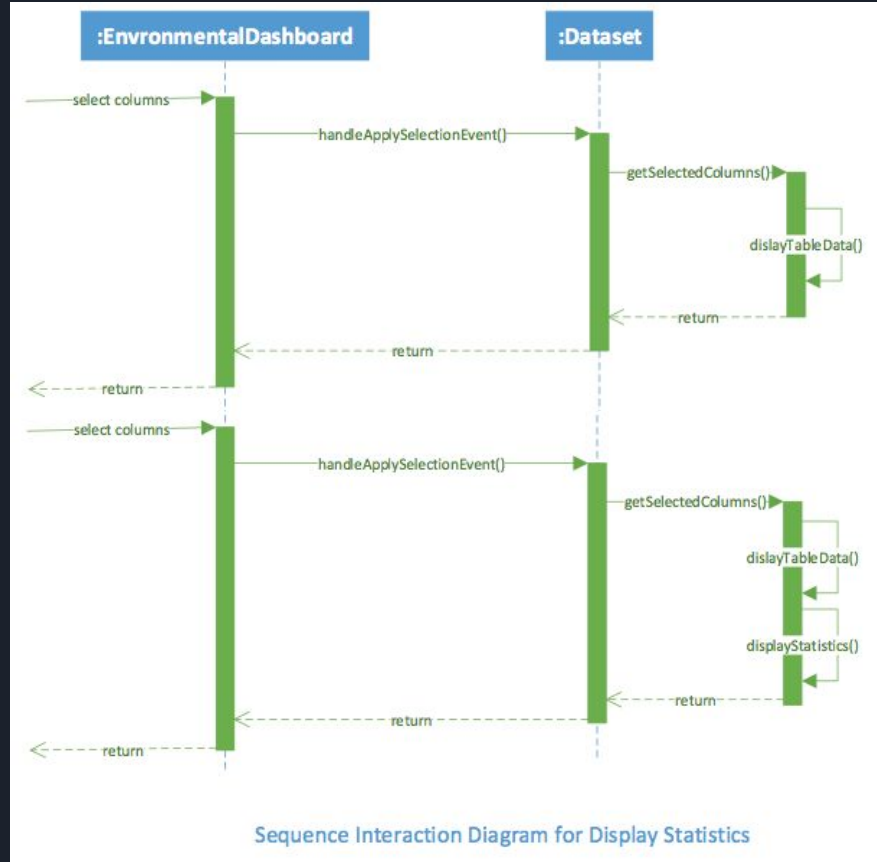
Design Model Class Diagram



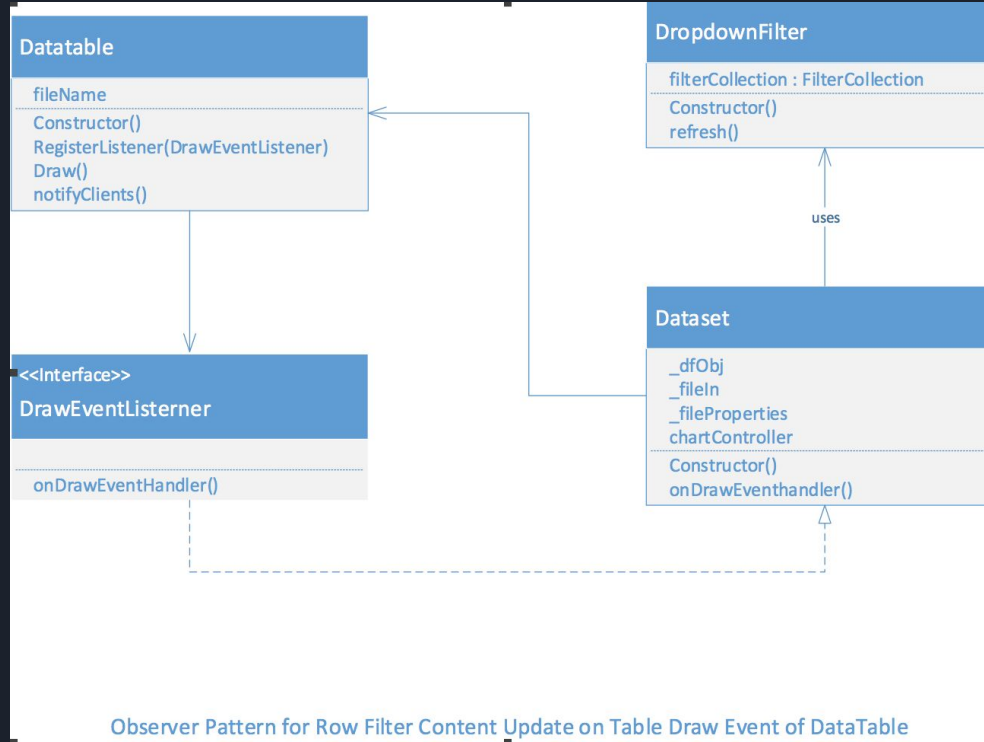
Sequence Diagram



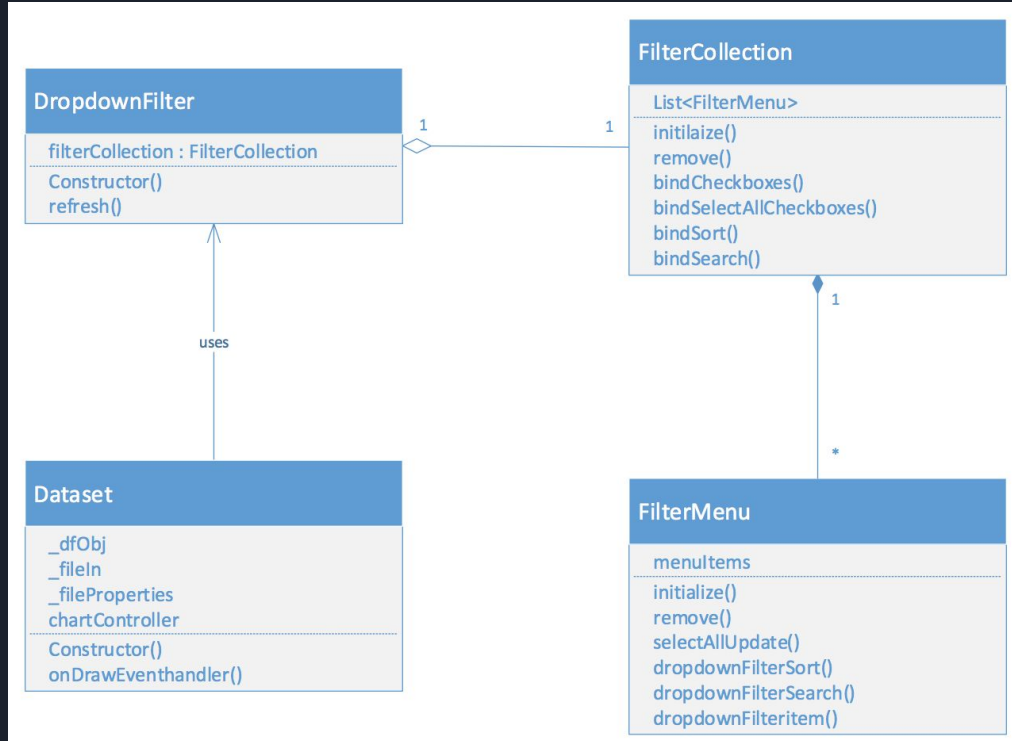
Sequence Diagram Continued



Observer Design Pattern



Facade Design Pattern





References

- Datasets:
- City of Chicago Database
- <https://data.cityofchicago.org/Environment-Sustainable-Development/CDPH-Environmental-Complaints/fypr-ksnz>