Snapshot Week 06 of Group PG02

Project of ATSYS

No-Code Solution for InfluxDB

LeStartUP

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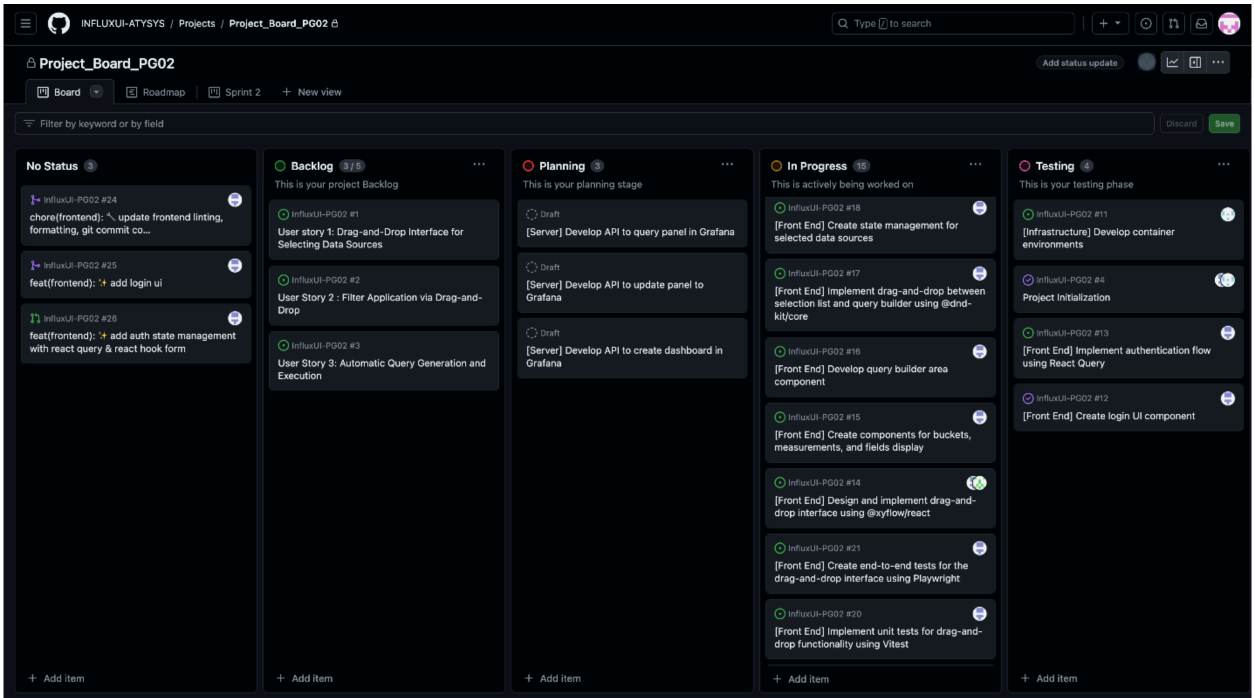
Xiaoqing Zhao - a1904344
Hao Jiang - a1907177
Ziqi Zhang – a1909438

Product Backlog and Task Board



No Status 3

- InfluxUI-PG02 #24
  chore(frontend): update frontend linting, formatting, git commit co...
- InfluxUI-PG02 #25
  feat(frontend): ✨ add login ui
- InfluxUI-PG02 #26
  feat(frontend): ✨ add auth state management with react query & react hook form

Add item

Backlog 3 / 5
This is your project Backlog

- InfluxUI-PG02 #1
  User story 1: Drag-and-Drop Interface for Selecting Data Sources
- InfluxUI-PG02 #2
  User Story 2 : Filter Application via Drag-and-Drop
- InfluxUI-PG02 #3
  User Story 3: Automatic Query Generation and Execution

Add item

Planning 3
This is your planning stage

- Draft
  [Server] Develop API to query panel in Grafana
- Draft
  [Server] Develop API to update panel to Grafana
- Draft
  [Server] Develop API to create dashboard in Grafana

Add item

In Progress 15
This is actively being worked on

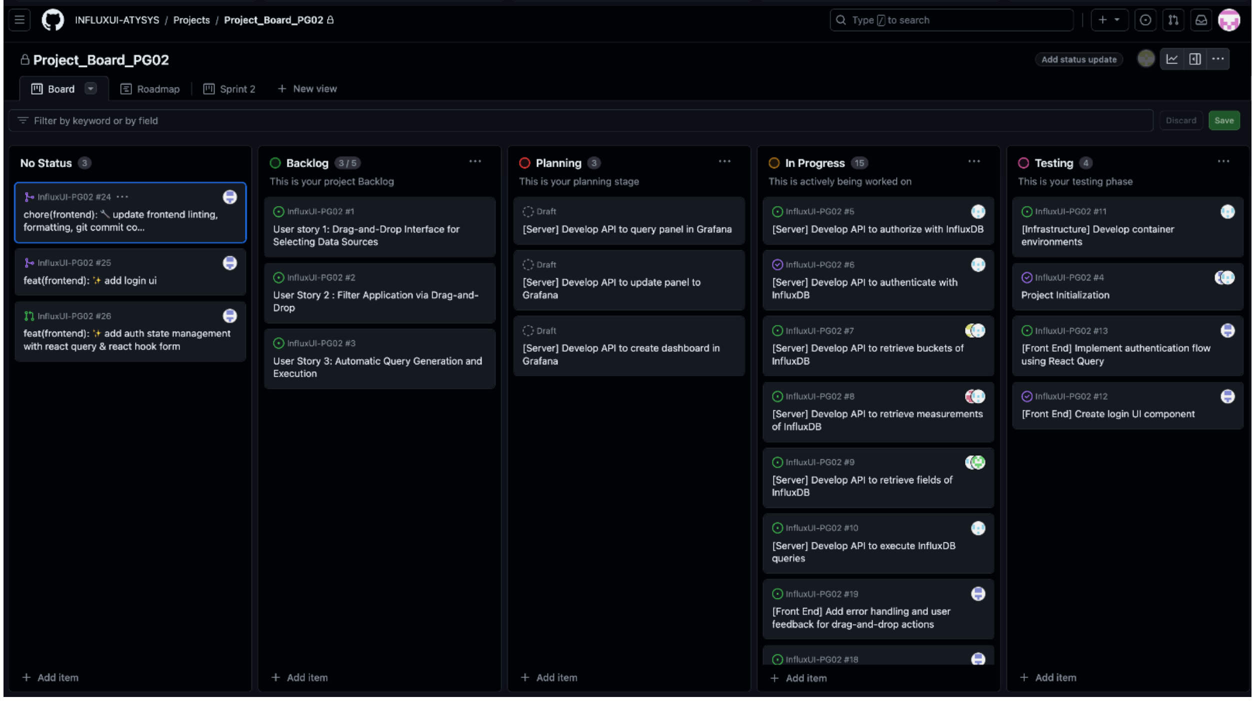
- InfluxUI-PG02 #18
  [Front End] Create state management for selected data sources
- InfluxUI-PG02 #17
  [Front End] Implement drag-and-drop between selection list and query builder using @dnd-kit/core
- InfluxUI-PG02 #16
  [Front End] Develop query builder area component
- InfluxUI-PG02 #15
  [Front End] Create components for buckets, measurements, and fields display
- InfluxUI-PG02 #14
  [Front End] Design and implement drag-and-drop interface using @xyflow/react
- InfluxUI-PG02 #21
  [Front End] Create end-to-end tests for the drag-and-drop interface using Playwright
- InfluxUI-PG02 #20
  [Front End] Implement unit tests for drag-and-drop functionality using Vitest

Add item

Testing 4
This is your testing phase

- InfluxUI-PG02 #11
  [Infrastructure] Develop container environments
- InfluxUI-PG02 #4
  Project Initialization
- InfluxUI-PG02 #13
  [Front End] Implement authentication flow using React Query
- InfluxUI-PG02 #12
  [Front End] Create login UI component

Add item



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Add item

In Progress 15
This is actively being worked on

- InfluxUI-PG02 #5
  [Server] Develop API to authorize with InfluxDB
- InfluxUI-PG02 #6
  [Server] Develop API to authenticate with InfluxDB
- InfluxUI-PG02 #7
  [Server] Develop API to retrieve buckets of InfluxDB
- InfluxUI-PG02 #8
  [Server] Develop API to retrieve measurements of InfluxDB
- InfluxUI-PG02 #9
  [Server] Develop API to retrieve fields of InfluxDB
- InfluxUI-PG02 #10
  [Server] Develop API to execute InfluxDB queries
- InfluxUI-PG02 #19
  [Front End] Add error handling and user feedback for drag-and-drop actions
- InfluxUI-PG02 #18

Add item

Testing 4
This is your testing phase

- InfluxUI-PG02 #11
  [Infrastructure] Develop container environments
- InfluxUI-PG02 #4
  Project Initialization
- InfluxUI-PG02 #13
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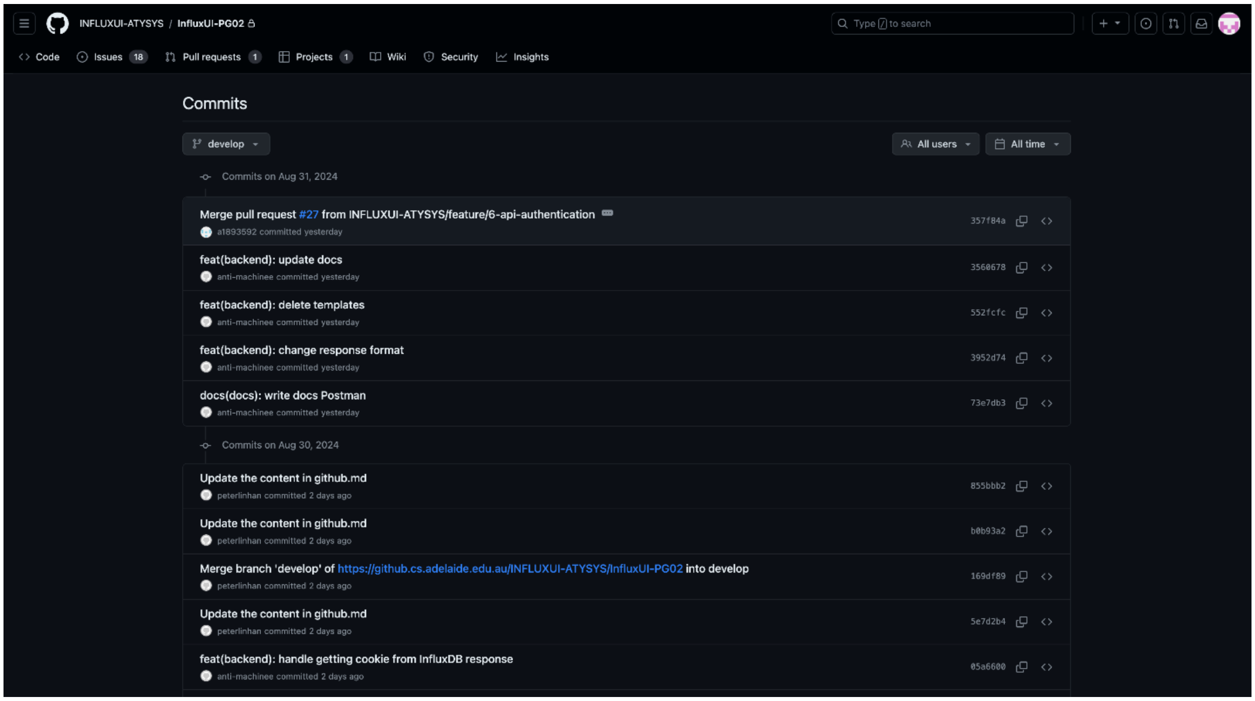
- InfluxUI-PG02 #12
  [Front End] Create login UI component

Add item

Based on the characteristics of this project, our group splits into frontend and backend (server) sub teams to develop the backlog items discussed during sprint 2.

Sprint Backlog and User Stories

Commit changes for sprint 2



Commits

Commits on Aug 31, 2024

Merge pull request #27 from INFLUXUI-ATYSYS/feature/6-api-authentication
a1893592 committed yesterday — 357f84a

feat(backend): update docs
anti-machinee committed yesterday — 3560678

feat(backend): delete templates
anti-machinee committed yesterday — 552fcfc

feat(backend): change response format
anti-machinee committed yesterday — 3952d74

docs(docs): write docs Postman
anti-machinee committed yesterday — 73e7db3

Commits on Aug 30, 2024

Update the content in github.md
peterlinhan committed 2 days ago — 855bbb2

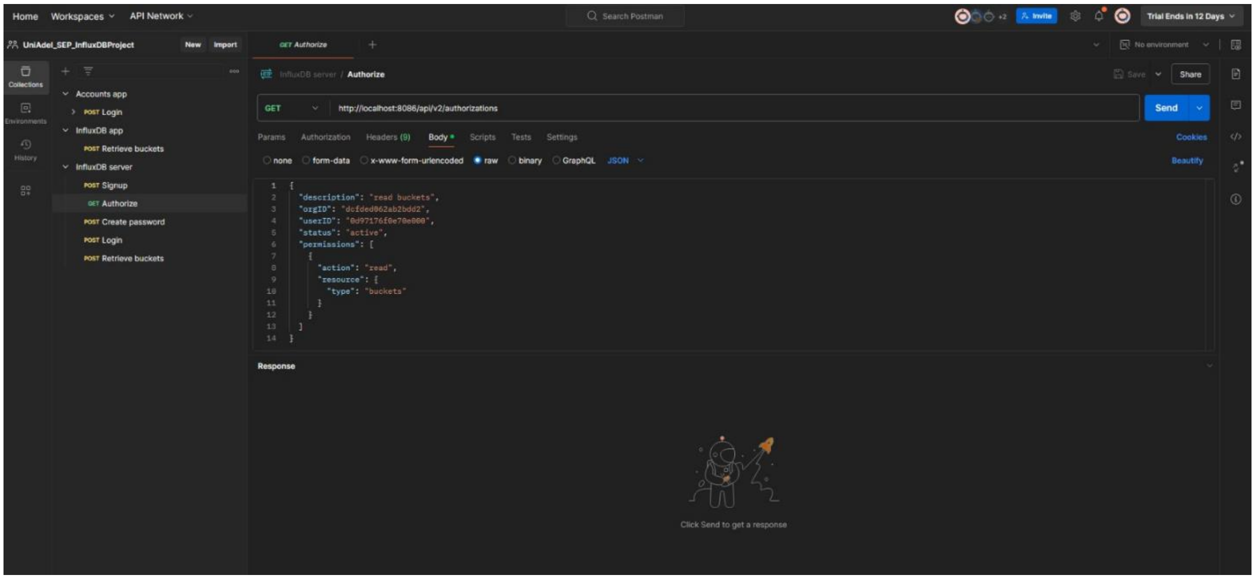
Update the content in github.md
peterlinhan committed 2 days ago — b0b93a2

Merge branch 'develop' of https://github.cs.adelaide.edu.au/INFLUXUI-ATYSYS/InfluxUI-PG02 into develop
peterlinhan committed 2 days ago — 169df89

Update the content in github.md
peterlinhan committed 2 days ago — 5e7d2b4

feat(backend): handle getting cookie from InfluxDB response
anti-machinee committed 2 days ago — 05a6600

Postman API testing

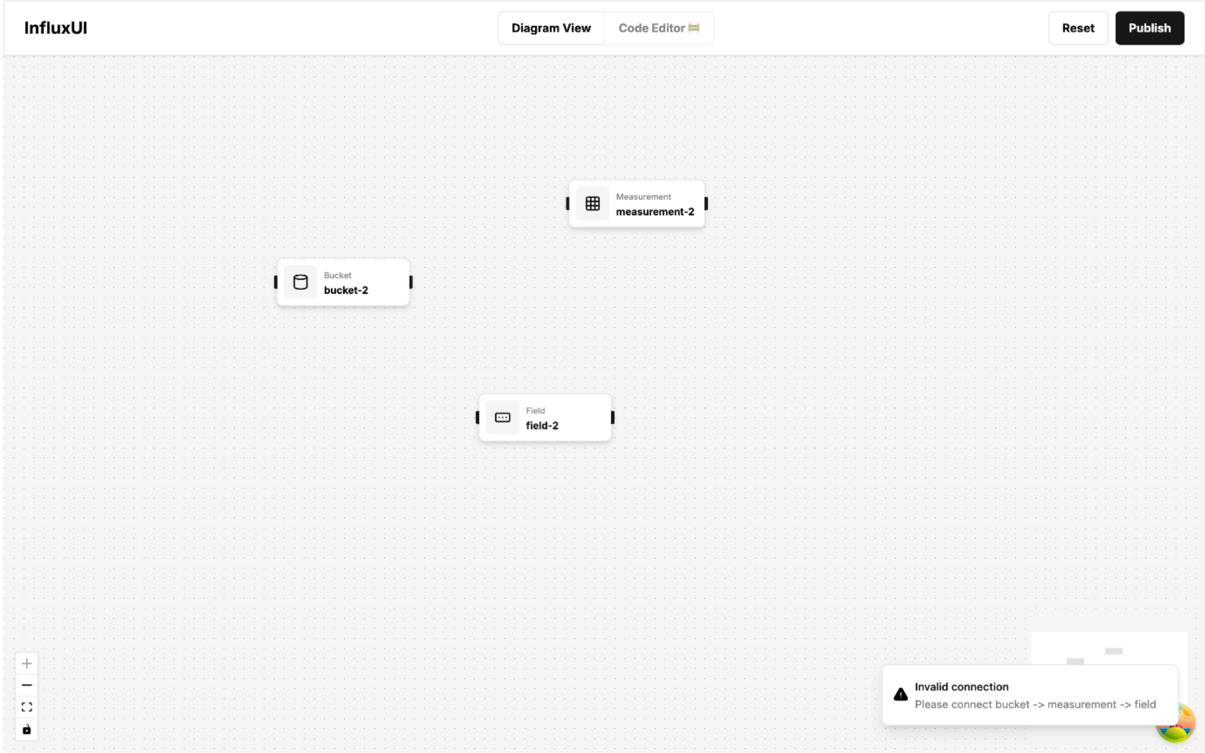


GET http://localhost:8086/api/v2/authorizations

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

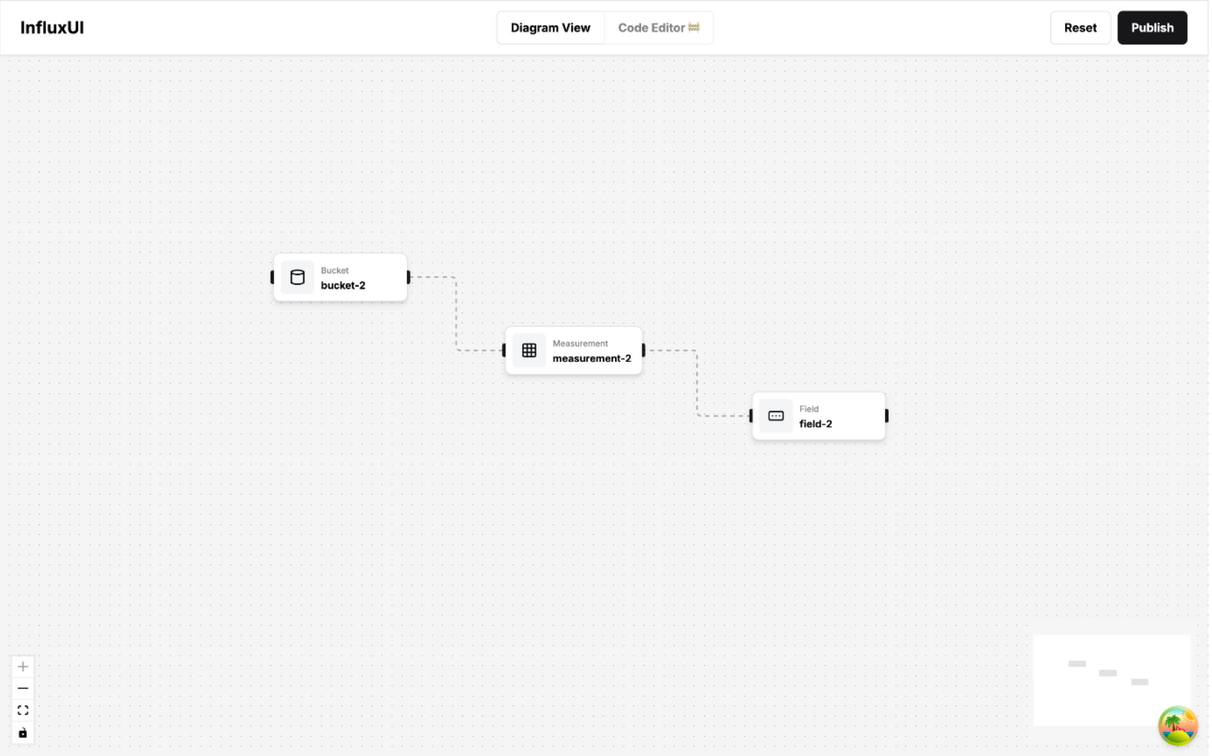
```
{
  "description": "read buckets",
  "orgID": "dcfded062ab2bdd2",
  "userID": "0d97176f0e70e000",
  "status": "active",
  "permissions": [
    {
      "action": "read",
      "resource": {
        "type": "buckets"
      }
    }
  ]
}
```

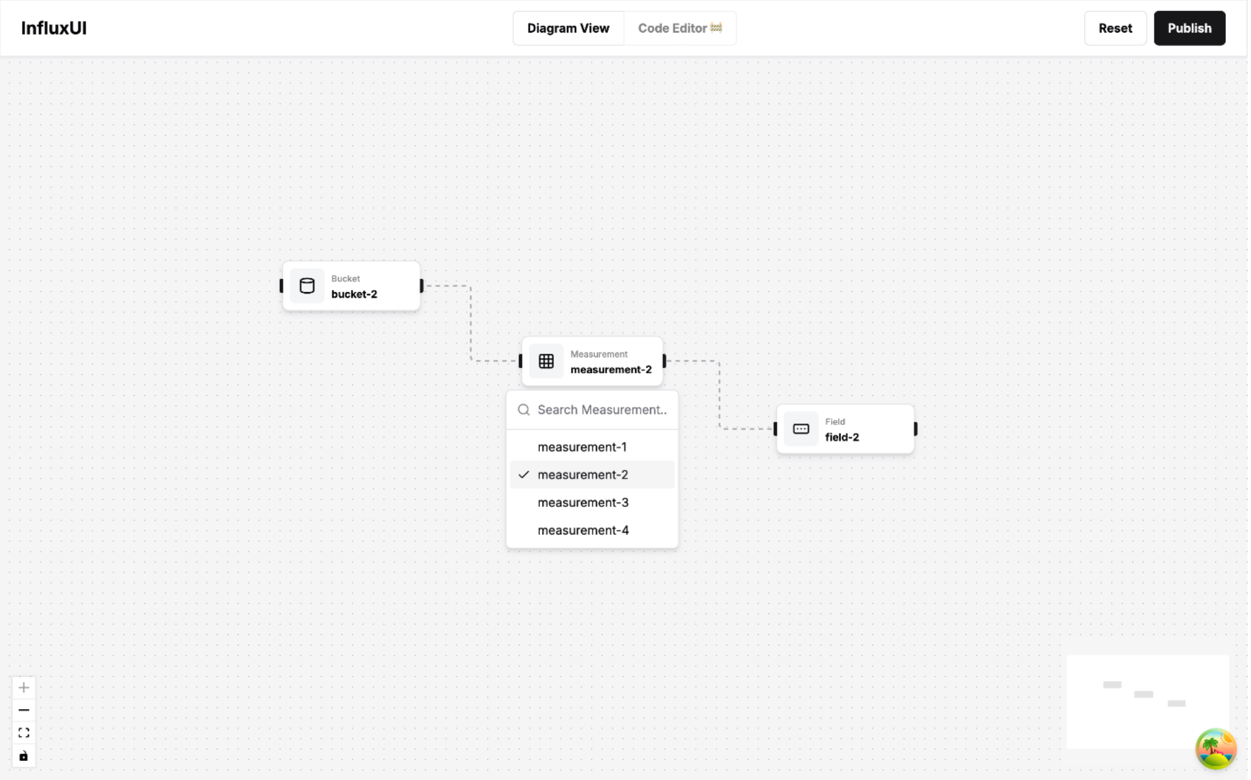
Frontend development



Invalid connection

Please connect bucket -> measurement -> field





User story 1 and 2 is selected for the current sprint. While the backend team focuses on achieving the same level of authentication from InfluxDB with data integration to our application, frontend mainly based its development on drag-and-drop feature. Also, the hierarchy between bucket, measurement, and field is being handled and filter functionality is being explored.

Definition of Done

- Drag-and-drop functionality is fully implemented and intuitive for users.
- The interface is optimized for clarity and ease of use
- Filters work seamlessly with the drag-and-drop feature and the hierarchy navigation
- The features pass usability tests and validate the correct operations to ensure accuracy and performance

Summary of Changes

In the current sprint, we implemented secure authentication with InfluxDB, ensuring proper user roles and permissions while integrating real-time data seamlessly into our application. On the frontend, we developed an accessible drag-and-drop feature, making the user interface more approachable. We also mapped out and integrated the hierarchy between bucket, measurement, and field, and added filter functionality to refine data views effectively.

All code changes were thoroughly reviewed by team members, meeting the team’s coding standards, and documentation was updated to include user guides, API docs, and technical specs timely. Finally, the application was successfully deployed to a staging environment, with all the new features functioning as expected currently, bringing InfluxDB and Grafana closer to a more user-friendly system.