

Snapshot Week 10 of Group PG02

Project of ATSYS

No-Code Solution for InfluxDB

LeStartUP

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Hao Jiang - a1907177

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Product Backlog and Task Board

INFLUXUI-ATYSYS / Projects / Project_Board_PG02

Type / to search

Project_Board_PG02

Add status update

Board

Roadmap

Sprint 2

Sprint 3

Sprint 4

New view

Filter by keyword or by field

Discard

Save

No Status32

InfluxUI-PG02 #24

chore(frontend): \ update frontend linting, formatting, git commit co...

Sprint 2

InfluxUI-PG02 #25

feat(frontend): \ add login ui

Sprint 2

InfluxUI-PG02 #26

feat(frontend): \ add auth state management with react query & react hook form

Sprint 2

InfluxUI-PG02 #28

feat(backend): add basic api function using influxdb client

Sprint 2

InfluxUI-PG02 #29

feat(backend): add basic retrieve measurements

Sprint 2

InfluxUI-PG02 #30

Fix/13 fix login state persistence

Sprint 2

InfluxUI-PG02 #27

Add Item

Backlog4

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

InfluxUI-PG02 #67

User Story 4: Real-Time Data Preview in No-Code Interface

Add Item

Planning0

This is your planning stage

Add Item

In Progress5

This is actively being worked on

InfluxUI-PG02 #21

[Front End] Create end-to-end tests for the drag-and-drop interface using Playwright

Sprint 2

InfluxUI-PG02 #20

[Front End] Implement unit tests for drag-and-drop functionality using Vitest

Sprint 2

InfluxUI-PG02 #44

[Front End] Add Monaco editor and ShikiJS syntax highlighter for generated Flux query

Sprint 2

InfluxUI-PG02 #43

[Front End] Add query generation logic with React Hooks

Sprint 2

InfluxUI-PG02 #75

[Front End] Add data visualization for query execution

Sprint 2

Add Item

Testing6

This is your testing phase

InfluxUI-PG02 #6

[Server] Develop API to authenticate with InfluxDB

Sprint 2

InfluxUI-PG02 #7

[Server] Develop API to retrieve buckets of InfluxDB

Sprint 2

InfluxUI-PG02 #8

[Server] Develop API to retrieve measureme of InfluxDB

Sprint 2

InfluxUI-PG02 #9

[Server] Develop API to retrieve fields of InfluxDB

Sprint 2

InfluxUI-PG02 #10

[Server] Develop API to execute InfluxDB queries

Sprint 2

InfluxUI-PG02 #49

[Server] Implement Current User Endpoint using InfluxDB API

Sprint 2

Add Item

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g4

project Backlog

PG02 #1

1: Drag-and-Drop Interface for Data Sources

PG02 #2

2 : Filter Application via Drag-and-

PG02 #3

3: Automatic Query Generation and

PG02 #67

4: Real-Time Data Preview in No-lace

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Sprint 4

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InfluxUI-PG02 #9

[Server] Develop API to retrieve fields of InfluxDB

Sprint 4

InfluxUI-PG02 #10

[Server] Develop API to execute influxDB queries

Sprint 4

InfluxUI-PG02 #49

[Server] Implement Current User Endpoint using InfluxDB API

Sprint 4

Add Item

Done12

This has been completed

InfluxUI-PG02 #4

Project Initialization

Sprint 2

InfluxUI-PG02 #12

[Front End] Create login UI component

Sprint 2

InfluxUI-PG02 #11

[Infrastructure] Develop container environments

Sprint 2

InfluxUI-PG02 #13

[Front End] Implement authentication flow using React Query

Sprint 2

InfluxUI-PG02 #15

[Front End] Create components for buckets, measurements, and fields display

Sprint 2

InfluxUI-PG02 #14

[Front End] Design and implement drag-and-drop interface using @xyflow/react

Sprint 2

InfluxUI-PG02 #17

Add Item

Sprint Backlog and User Stories

- Milestones of the end of sprint 4 and beginning of sprint 5:

INFLUXUI-ATYSYS / InfluxUI-PG02

Labels Milestones Edit milestone New issue

Sprint 4

⚠ Past due by 1 day 88% complete

3 Open 22 Closed

- [Server] Develop API to execute InfluxDB queries enhancement #10 opened on Aug 21 by a1893592 15 tasks
- [Server] Implement Current User Endpoint using InfluxDB API enhancement #49 opened last month by a1893592 6 tasks
- [Front End] Add data visualization for query execution enhancement #75 opened last week by a1907177 3 of 7 tasks

- Sprint issues we are working on:

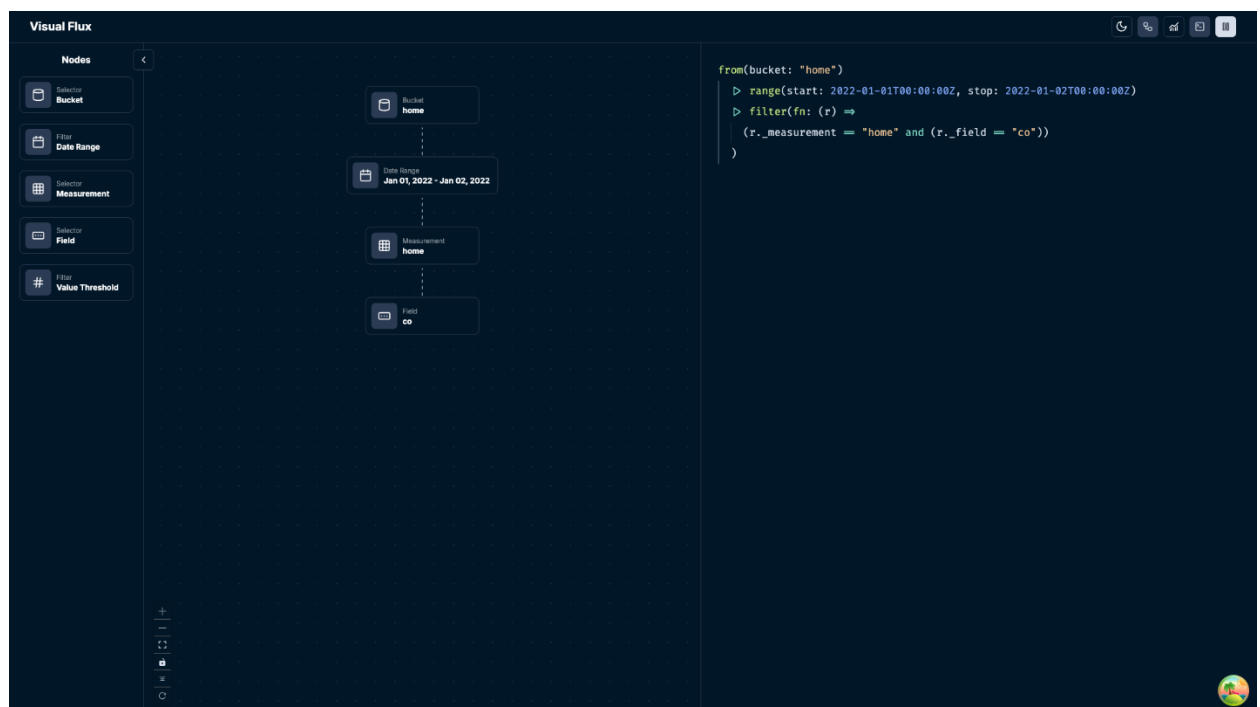
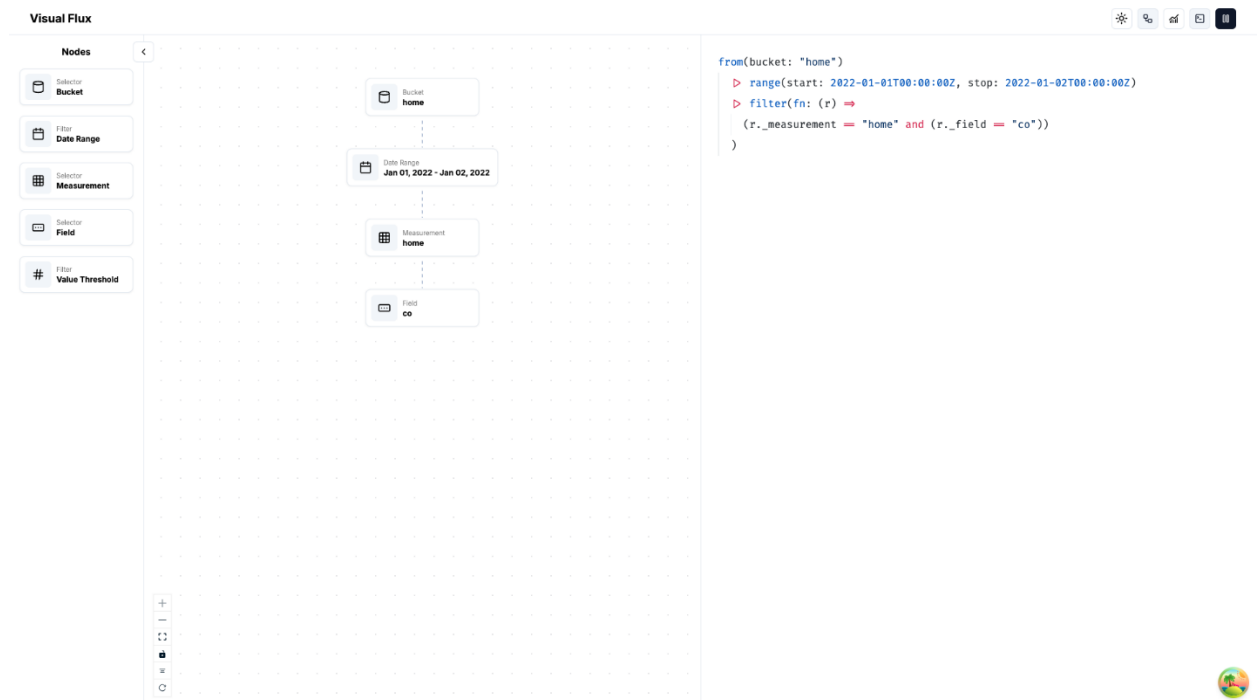
INFLUXUI-ATYSYS / InfluxUI-PG02

Filters is:issue is:open Labels 9 Milestones 3 New issue

9 Open 20 Closed Author Label Projects Milestones Assignee Sort

- [Front End] Add data visualization for query execution enhancement #75 opened last week by a1907177 3 of 7 tasks Sprint 4
- User Story 4: Real-Time Data Preview in No-Code Interface #67 opened last week by a1872694
- [Server] Implement Current User Endpoint using InfluxDB API enhancement #49 opened last month by a1893592 6 tasks Sprint 4
- [Front End] Create end-to-end tests for the drag-and-drop interface using Playwright enhancement #21 opened on Aug 22 by a1907177 2 tasks Sprint 3
- [Front End] Implement unit tests for drag-and-drop functionality using Vitest enhancement #20 opened on Aug 22 by a1907177 5 tasks Sprint 3
- [Server] Develop API to execute InfluxDB queries enhancement #10 opened on Aug 21 by a1893592 15 tasks Sprint 4
- User Story 3: Automatic Query Generation and Execution #3 opened on Aug 14 by a1872694
- User Story 2: Filter Application via Drag-and-Drop #2 opened on Aug 14 by a1872694
- User story 1: Drag-and-Drop Interface for Selecting Data Sources #1 opened on Aug 14 by a1872694

- UI: design a light mode and dark mode for user experience



- UI: multiple-selection of drag-and-drop

Visual Flux

Nodes

- Selector Bucket
- Filter Date Range
- Selector Measurement
- Selector Field
- Filter Value Threshold

Bucket home

Date Range Jan 01, 2022 - Jan 02, 2022

Measurement home

Field hum

Field temp

Value Threshold value ≤ 12

Value Threshold value > 1

Value Threshold value > 20

Value Threshold value ≤ 40

```
from(bucket: "home")
  > range(start: 2022-01-01T00:00:00Z, stop: 2022-01-02T00:00:00Z)
  > filter(fn: (r) =>
    (r._measurement == "home" and ((r._field == "hum" and (r._value ≤ 12 or r._value > 1)) or (r._field == "temp" and (r._value > 20 or r._value ≤ 40))))
  )
```

- UI: export the data to the local with a csv file

Visual Flux

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  )
```

Data Preview Line Chart Bar Chart

Export CSV Filter rooms... Columns

<input type="checkbox"/>	Time	Start	Stop	Value	Field	Measurement	Room
<input type="checkbox"/>	2022-01-01T08:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	35.9	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T09:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36.2	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T10:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36.1	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T11:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T12:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T13:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36.5	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T14:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36.3	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T15:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36.2	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T16:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36	hum	home	Kitchen
<input type="checkbox"/>	2022-01-01T17:00:00Z	2022-01-01T00:00:00Z	2022-01-02T00:00:00Z	36	hum	home	Kitchen

0 of 52 row(s) selected.

Previous Next

On the frontend, our team successfully modified and finalised the main user interface: top left section for drag-and-drop function, top right for code editor, bottom section for table and visualisation. Meanwhile, we also implemented multiple-selection of drag-and-drop node, with the ability to export data

As for the backend, our team completed a test plan overview and listed test case followed by specific testing process. We continued to work on final integration of frontend and server source code.

Definition of Done

- Frontend:
 - o features for the current sprint are fully implemented, tested, and confirmed to function without critical bugs.
 - o Schedule for final code integration is set after debugging and testing.
- Backend:
 - o Test plans creation and corresponding documentation per process to record progress.
 - o Dynamic source code integration in final production

Summary of Changes

- Improve user experience with a more intuitive and flexible UI, including multi-selection design and ability to export data
- Bug fixed and testing schedules to enhance the product's overall integration progress