



Snapshot Week 6 of Group InfluxUI-PG01

No-Code Solution for InfluxDB

by

Xiaoyue Rao a1819070

Jianghao Jin a1880849

Tiantian Wang a1894037

Manhong Chen a1904387

Ziyan Zhao a1883303

Ling Luo a1847162

Yufei Wang a1897360

Yinkai Yuan a1909218

1. Product Backlog and Task Board

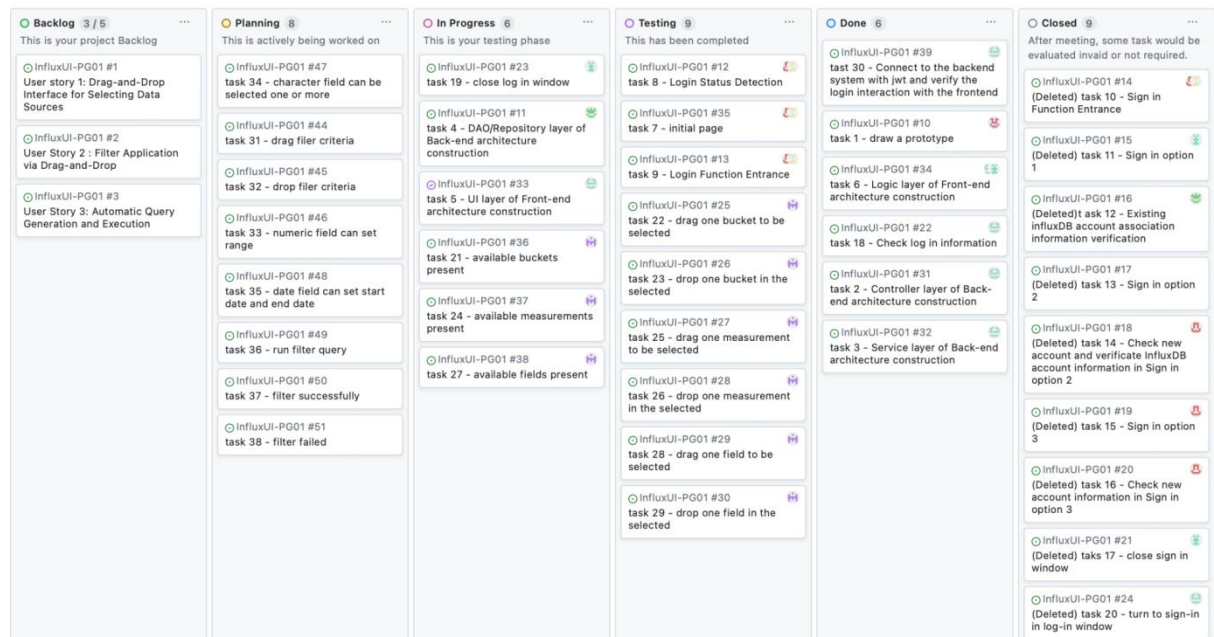


Fig.1 The Backlog of Project

2. Sprint Backlog and User Stories

User story 1: Drag-and-Drop Interface for Selecting Data Sources #1

Open a1872694 opened 2 weeks ago

a1872694 2 weeks ago

Edit

User Story 1: Drag-and-Drop Interface for Selecting Data Sources

Goal:

As a user, I want to use a drag-and-drop interface to select the bucket, measurements, and fields from InfluxDB, so that I can easily choose the data I need without writing code.

Actors:

User

Pre-conditions:

The user is logged into the no-code interface.

Main Flow:

The user logs into the no-code interface.

The user is presented with a list of available buckets, measurements, and fields.

The user selects the desired data sources by dragging and dropping items into the query builder area.

The interface automatically prepares these selections for the next steps in the data query process.

Post-conditions:

The selected buckets, measurements, and fields are ready for filtering and querying.

The user successfully prepares the data sources without writing any code.

Acceptance Criteria:

The interface must allow the user to drag and drop items to select buckets, measurements, and fields.

The selected items must be accurately reflected in the query builder.

Fig. 2 User Story 1

2.1 Brief description of the user stories selected

In Sprint 2, our team still focuses on user story 1” Drag-and-Drop Interface for Selecting Data Sources”. The aim of it is as a user, I want to use a drag-and-drop interface to select the bucket, measurements, and fields from InfluxDB, so that I can easily choose the data I need without writing code. Before selecting data sources, the user must log into the website. In addition, according to the discussion and guidelines from client, the function of registration has been deleted. There is an updated flow chart of this user story shown in the following:

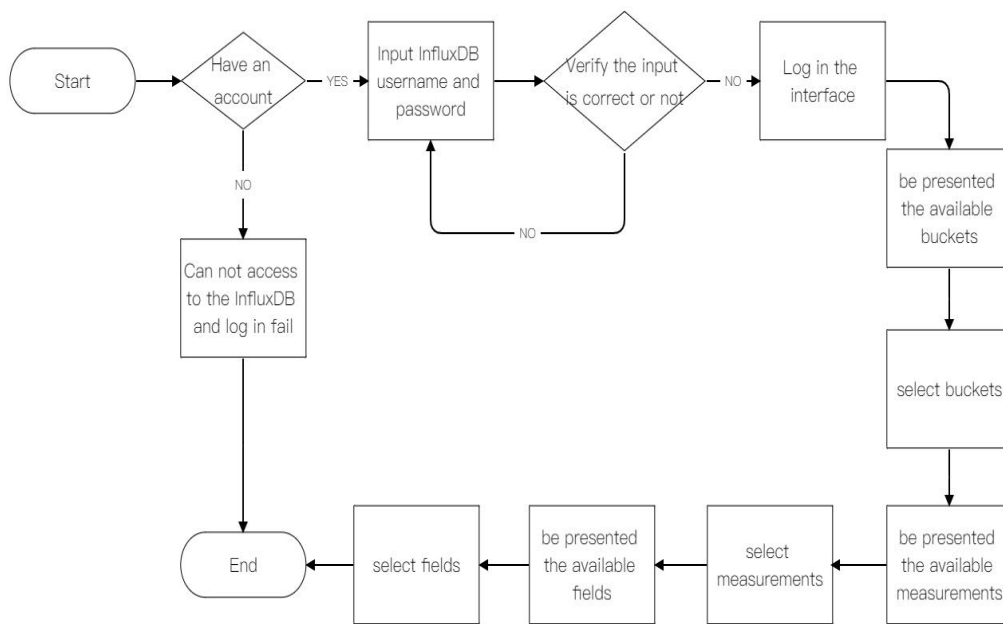


Fig. 3 Flow Chart of This User Story

3. Definition of Done

Based on the guidelines and discussion, the function of registration has been deleted, so in the definition of done, the related criteria also has been updated or deleted. In Sprint 1, there are 23 items for user story 1, and it has decreased to 14 items in Sprint 2.

Items No.	Modules	checklist
1	Unlogged In	If users don't log in, there is no data source shown in the interface.

2		If users don't log in, once they click any buttons on the interface, the system will show a pop-up of logging in.
3		The unlogged-in users click the button "Log in", the system will show a pop-up window of log in.
4	Logged in	<p>After users fill up the information of log in, system will check the passwords are correct or the account has existed.</p> <ol style="list-style-type: none"> 1. If yes, "Logged In Successfully" will be shown to the users and jump to the logged-in dashboard after 3 seconds. 2. If no, a message "Your username or password was incorrect or does not exist" will be shown to the users and no jump.
5		click the close button of the log in pop-up window, then the window will close and return to previous page
6	Buckets show and select	After users log in, they will be presented a list of available buckets associated to their InfluxDB account. There is no irrelevant data shown.
7		Users drag one bucket from the "User's buckets" module to the "Selected buckets" module successfully. After dragging, this bucket will present in the "Selected buckets" module.
8		click the close button of the selected bucket, the bucket will disappear in the "Selected buckets" module, and the related measurements and fields will also disappear.

9	measurements show and select	After users select some buckets, they will be presented a list of available measurements related to the bucket. There is no irrelevant data shown.
10		Users drag one measurements from the "User's measurements" module to the "Selected measurements" module successfully. After dragging, this measurement will present in the "Selected measurements" module.
11		click the close button of the selected measurement, the measurement will disappear in the "Selected measurement" module, and the related fields will also disappear.
12	fields show and select	After users select some measurements, they will be presented a list of available fields related to the measurement. There is no irrelevant data shown.
13		Users drag one fields from the "User's fields" module to the "Selected fields" module successfully. After dragging, this field will present in the "Selected fields" module.
14		click the close button of the selected fields, the fields will disappear in the "Selected fields" module, and the related filters will also disappear.

4. Summary of Changes

- **Planning:**

- **Automatic Query Generation and Execution:**

The interface will automatically generate and execute the Flux query based on users' drag-and-drop selections.

- **Authentication System Implementation:**

Work will continue on the integration of an authentication system that leverages existing InfluxDB user accounts.

- **Back-end Completion:**

We will handle the back-end part, which includes switching the login authentication to a real database.

- **In Progress:**

- **Buckets Showing and Selecting:**

The Buckets Showing and Selecting feature is set up with simulated data; we plan to connect it to the real database soon.

- **Done**

- **Drag-and-Drop Interface for Selecting Data Sources:**

User Story 1 is complete with the development of the initialization interface and visual query generators. The interface supports drag-and-drop for selecting and accurately displaying buckets, measurements, and fields in the query builder.

- **Front-end UI Development:**

Front-end user interface development has been completed for the login page and dashboard page.

- **Back-end Structure Completion:**

Back-end architecture construction has been completed.