Snapshot Week 1 of Group InfluxUI-PG01

No-Code Solution for InfuxDB

by

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1. Product Backlog and Task Board

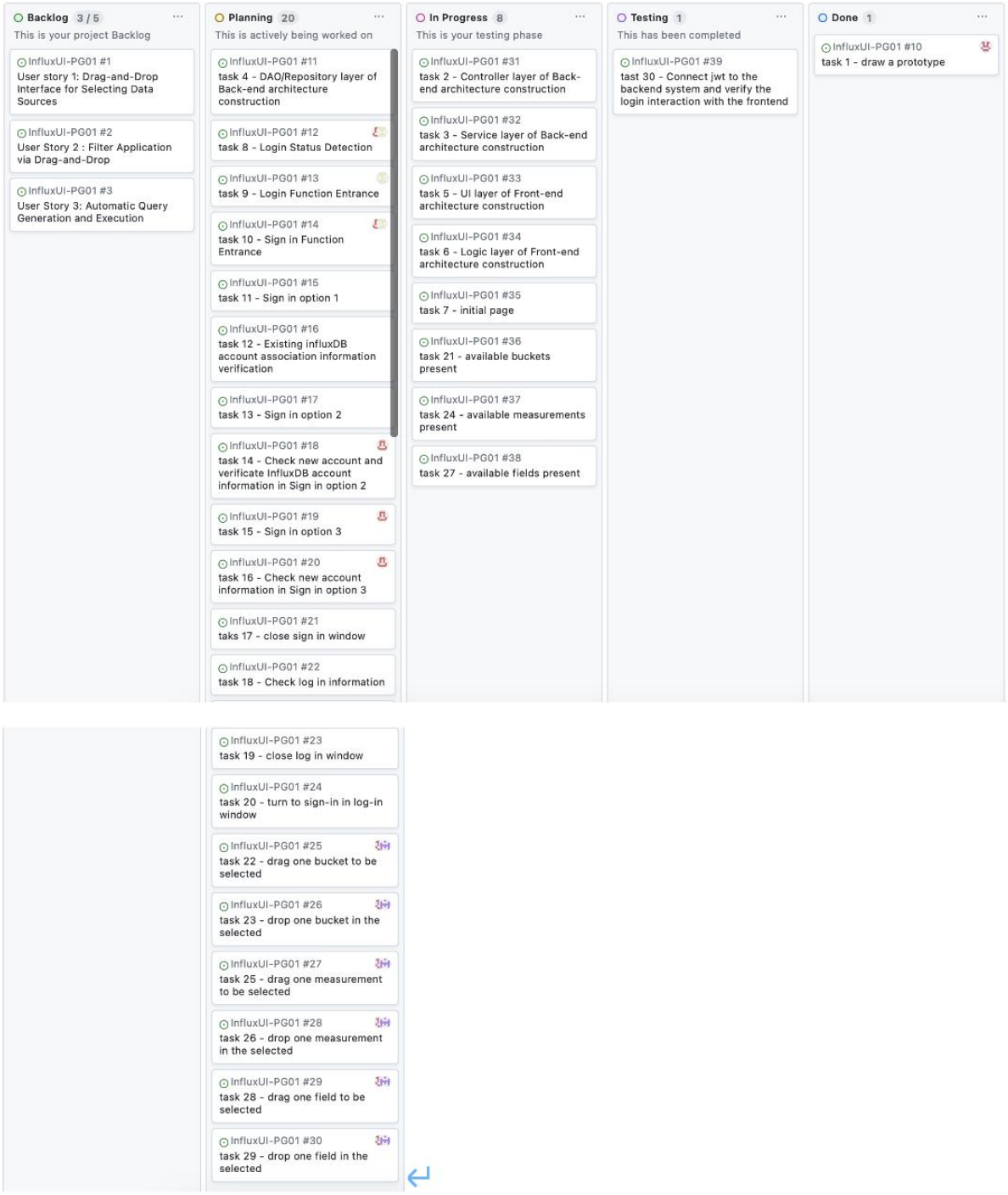

Fig.1 The Backlog of Project

2. Sprint Backlog and User Stories

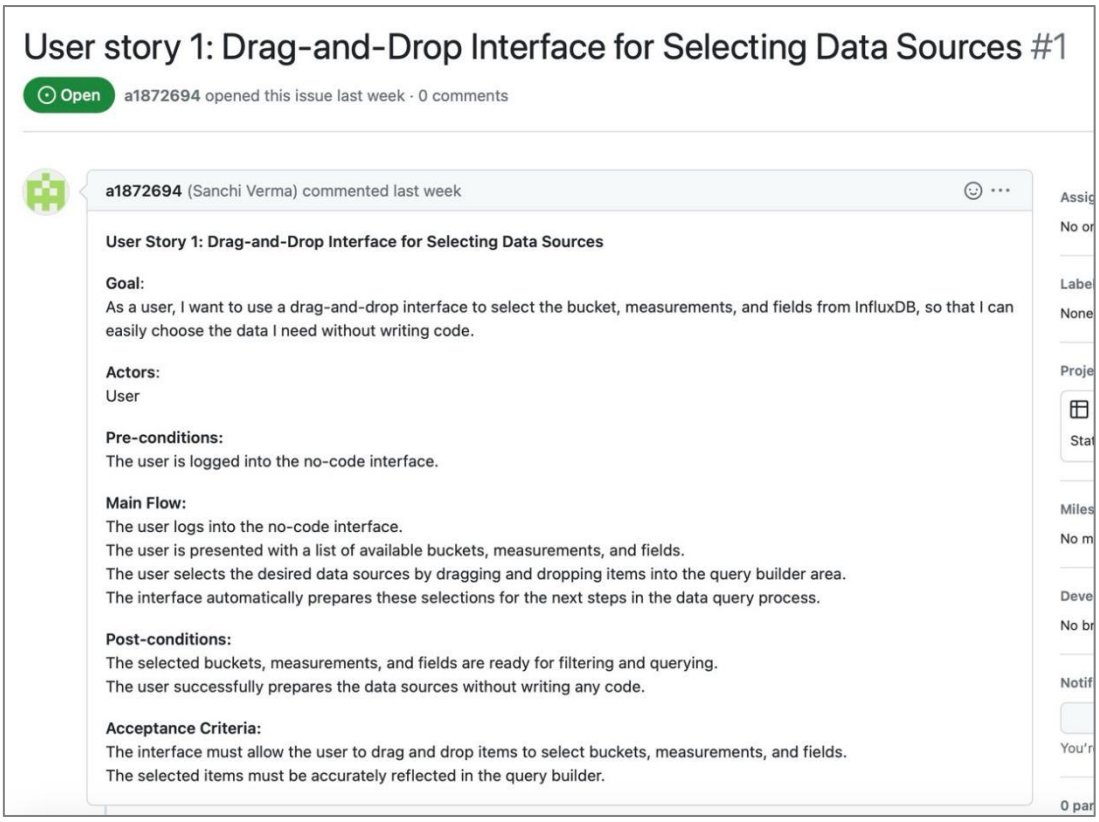

Fig. 2 User Story 1

2.1 Brief description of the user stories selected

In Sprint 1, our team 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. There is a flow chart of this user story shown in the following:

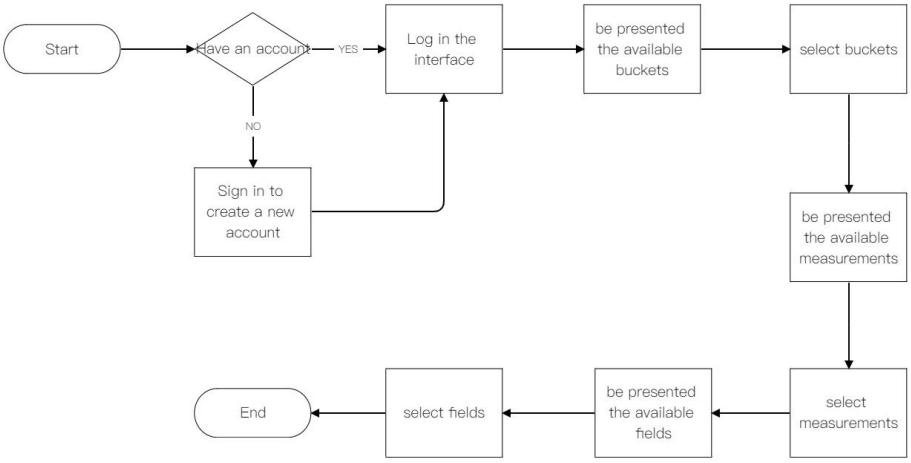

Fig. 3 Flow Chart of This User Story

3. Definition of Done

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 except “Sign in” 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		The unlogged-in users click the button “Sign in”, the system will show a pop-up window of sign in.
5	Sign in	When users sign in, they select the option 1" Yes, I want to use InfluxDB account to sign in.", and system will require users to fill in the information of "Your InfluxDB username" and "Your InfluxDB account password"
6		After users fill in the information of option 1 in "Sign up" pop-up window and click button "Sign in", system should check whether the information is valid or not. 1. If it is valid, "Sign in successfully" will be shown to the users and jump to the logged-in dashboard after 3 seconds. 2. If not, the message "Your InfluxDB username or password was incorrect" will be shown to the users and no jump.
7		When users sign in, they select the option 2" Yes, but I want to create a new account on this website.", and system will require users to fill in the information of "new account username", "new account password", "confirm password", "Your InfluxDB username" and "Your InfluxDB account password".

8		After users fill in the information of option 2 in "Sign up" pop-up and click button "Sign in", system should check whether the information is valid or not. There are four types of output: 1. The new account passwords don't match the one filled in the "confirm password". In this situation, a message "Passwords does not match" will be shown to the users and no jump. 2. The InfluxDB account cannot be found. A message "Your InfluxDB username or password was incorrect" will be shown to the users and no jump. 3. The InfluxDB account can be found but the passwords were wrong. A message "Your influxDB username or password was incorrect" will be shown to the users and no jump. 4. All the information is correct. A message "Sign in successfully" will be shown to the users and jump to the logged-in dashboard after 3 seconds.
9		When users sign in, they select the option 3" No, I want to create an account.", and system will require users to fill in the information of "new account username", "new account password", and "confirm password".
10		After users fill in the information of option 2 in "Sign up" pop-up and click button "Sign in", system should check whether the information is valid or not. 1. If it is valid, "Sign in successfully" will be shown to the users and jump to the logged-in dashboard after 3 seconds. 2. If not, the message "Passwords does not match" will be shown to the users and no jump.
11		Click the close button of the sign in pop-up window, then the window will close and return to the previous page.
12	Log in	After users fill in the information of log in, system will check if the password is correct, or the account exists. 1. If yes, "Log 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.

13		Click the close button of the log in pop-up window, then the window will close and return to previous page
14		Click the sign in button of the log in pop-up window, jump to the sign in pop-up.
15	Buckets showing and selecting	After users log in, they will be presented a list of available buckets associated to their InfluxDB account. There is no irrelevant data shown.
16		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.
17		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.
18	Measure ments 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.
19		Users drag one measurement from the "User's measurements" module to the "Selected measurements" module successfully. After dragging, this measurement will present in the "Selected measurements" module.
20		Click the close button of the selected measurement, the measurement will disappear in the "Selected measurement" module, and the related fields will also disappear.
21	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.
22		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.
23		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

- **In Progress**
    - **Completion of Preliminary Research**:

    Multiple team meetings have led to a comprehensive understanding of InfluxDB and Grafana. This basis facilitates the division of tasks among team members based on their respective technical expertise.

    - **Front-end Framework Setup:**

    The front-end framework is currently being set up, including the development of the login page and so on.

    The prototype of the user interface has been drawn up, and the page details will be progressively updated based on this prototype in subsequent processes.

- **Planning**
    - **Core Features Development:**

    We have started developing the key components of the project based on the first user story, i.e. initialization Interface and visual query generators. These features are designed to optimise the user experience by making it easy for users to create queries and generate Flux code without the need to have coding skills.

    - **Buckets Showing and Selecting:**

    We will gradually implement the Buckets Showing and Selecting features based on the UI prototype diagram.

    - **Authentication System Implementation:**

    Work on integrating an authentication system that leverages existing InfluxDB user accounts has begun.

- **Done**
    - **The UI Prototype Diagram**

    We have completed the design and finalization of the UI prototype diagram.