



Akita

— 状態管理のライブラリ紹介。

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Akitaの特徴・メリット

- ・ RxJsで構築されている状態管理のライブラリ
- ・ オブジェクト指向の設計原則に従っている
- ・ 経験浅い開発者でも容易に実装出来る
- ・ Angular以外でも使うことができる
- ・ 公式ドキュメントが詳しい



どこで使える？

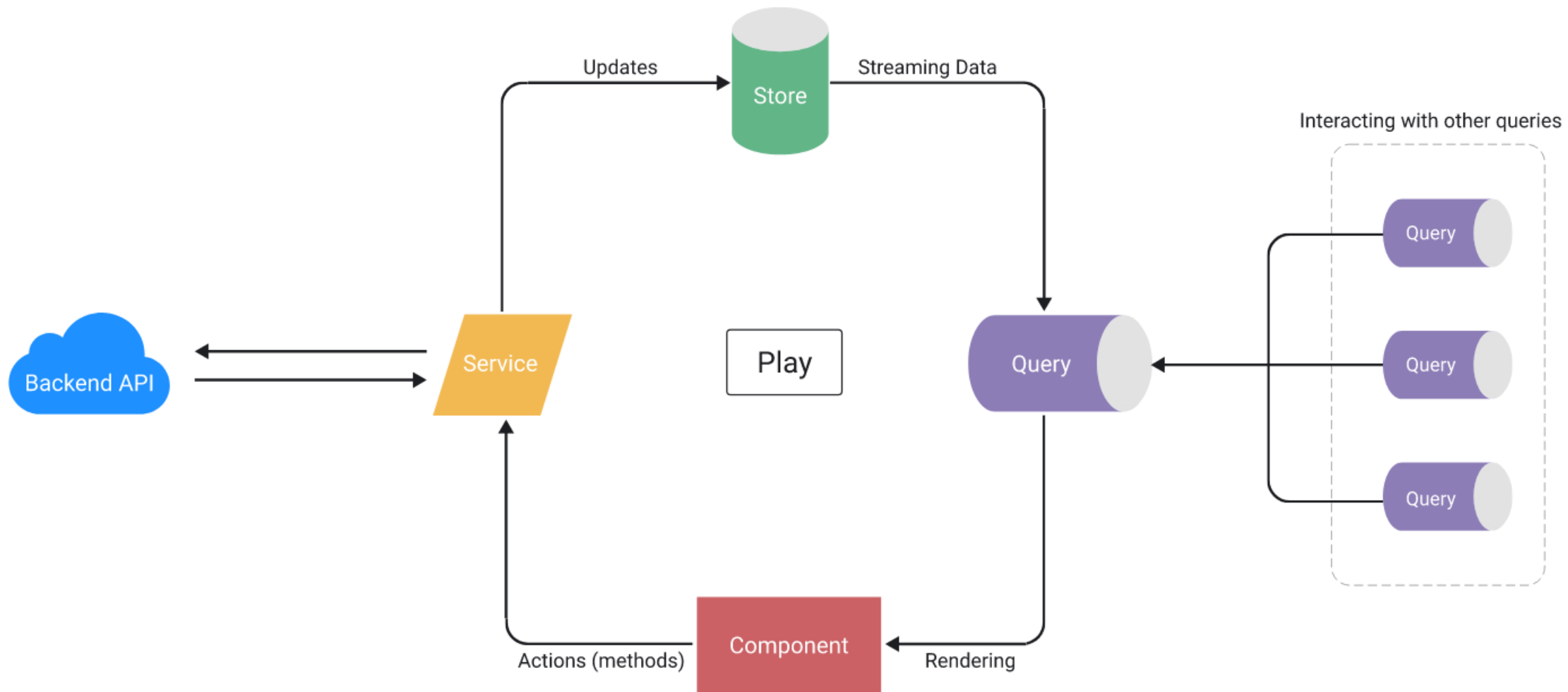
The screenshot shows a web application interface for managing a todo list. At the top, there is a teal header with a fox icon. Below the header is a search bar with a plus icon and the text "Add Todo...". A dropdown menu is set to "All". There is a "Select All" checkbox. The main content area is titled "Todos:" and contains three items: "TODO1", "TODO2", and "TODO3", each with a checkbox and a red trash icon. At the bottom, there are "UNDO" and "REDO" buttons with curved arrows.

The screenshot shows a Twitter thread from the account "地震速報 @earthquake_jp". The thread is titled "地震速報" and has 51.8K Tweets. The account is followed. The thread contains three tweets:

- Tweet 1:** [気象庁情報] 26日 12時48分頃 浦河沖 (N42.1/E142.8) にて 最大震度2 (M4.3) の地震が発生。震源の深さは50km。(j.mp/3rm1TI8) #saigai #jishin #earthquake. 28 retweets, 80 likes.
- Promoted Tweet:** [速報LV4] 26日 12時48分頃 浦河沖 (N42.1/E142.8) (推定)にて M4.3 (推定) の地震が発生。震源の深さは推定41km。#saigai #jishin #earthquake. 37 retweets, 85 likes.
- Tweet 2:** [速報LV1] 26日 12時48分頃 浦河沖 (N42.1/E142.8) (推定)にて M4.5 (推定) の地震が発生。震源の深さは推定47km。#saigai #jishin #earthquake. 1 reply, 59 retweets, 117 likes.



コアコンセプト





コアコンセプト

Model

```
import { guid } from '@datorama/akita';

export type Todo = {
  id: string;
  title: string;
  completed: boolean;
};

export function createTodo(title: string) {
  return {
    id: guid(),
    title,
    completed: false
  } as Todo;
}
```



コアコンセプト

Entity
Store

```
export interface TodosState extends EntityState<Todo, string> {
  ui: {
    filter: VISIBILITY_FILTER
  };
}

const initialState = {
  ui: { filter: VISIBILITY_FILTER.SHOW_ALL }
};

@Injectable({
  providedIn: 'root'
})
@storeConfig({ name: 'todos' })
export class TodosStore extends EntityStore<TodosState> {
  constructor() {
    super(initialState);
  }
}
```

Query

```
export class TodosQuery extends QueryEntity<TodosState> {
  selectVisibilityFilter$ = this.select(state => state.ui.filter);

  selectVisibleTodos$ = combineLatest(
    this.selectVisibilityFilter$,
    this.selectAll(),
    this.getVisibleTodos
  );

  constructor(protected store: TodosStore) {
    super(store);
  }

  private getVisibleTodos(filter, todos): Todo[] {
    switch (filter) {
      case VISIBILITY_FILTER.SHOW_COMPLETED:
        return todos.filter(t => t.completed);
      case VISIBILITY_FILTER.SHOW_ACTIVE:
        return todos.filter(t => !t.completed);
      default:
        return todos;
    }
  }
}
```




使ってみる

Title* Choose release date* Introduction


Select

環境：

Angular: 11.2.5

akita: 6.1.2

PLAYLIST FAVORITES




Title2 2021/03/12

Introduction

Mark as played

LIKE VIEW




Title3 2021/03/22

Introduction

Mark as played

LIKE VIEW



Title1 2021/03/05

Introduction

Mark as played

LIKE VIEW

參考 資料

<https://datorama.github.io/akita/>

<https://stackblitz.com/edit/akita-todos-app>

Thanks

