

RxData

Reactive data store for offline-first web applications



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The image shows a code editor window with a title bar that reads "meetups-1.js — ~/Downloads". The editor has two tabs: "meetups-1.js" (active) and "meetups-2.js". The code in the active tab is as follows:

```
import { Database } from 'rxdata'

const db = new Database()
const Meetups = db.collection('meetups')

const meetups = Meetups.find({ topic: 'js' }).value()
meetups.subscribe(data => console.log('data:', data))
```

At the bottom left of the editor, it says "meetups-1.js 7:54". At the bottom right, it shows "LF UTF-8 JavaScript" and a Twitter icon.

It's a Document based Database with MongoDB like queries

A screenshot of a code editor window titled "meetups-2.js — ~/Downloads". The editor shows two tabs: "meetups-1.js" and "meetups-2.js". The "meetups-2.js" tab is active, displaying the following JavaScript code:

```
const now = new Date()
const meetups = Observable
  .combineLatest(
    Meetups.find({ date: { $gte: now } }).value(),
    Meetups.find({ date: { $lt: now }, recommended: true }).value()
  )
  .map([future, recommended] => future.concat(recommended))
  .distinctUntilChanged()

meetups.subscribe(data => console.log('data:', data))
```

The code uses RxJS Observables to combine two queries based on a current date. The bottom status bar shows "meetups-2.js 10:54", "LF UTF-8", "JavaScript", and a Twitter icon.

First class support for RxJS Observables

IndexedDB	LocalStorage
WebSQL	???

Stores data in the web browser for offline usage



Can be used as alternative to Redux when implementing Flux

Supports custom storage adapters.

In-memory cache of data to speed-up query time.

Experimental support for “Collection Inheritance”.

Demo

Write a simple Todo list app with Angular2 and RxData

It should store the tasks in the browser storage for offline use

It should list pending tasks and 3 completed tasks ordered by time

Demo

<https://github.com/mnmtanish/rxdata-demo>

<https://github.com/cinergix/rxdata>
npm install --save rxdata

it's open source :)