Hackbright <> Corvid

June 15+16

Sorry, who are you?

- Front end lady
- I like integrating things :)
- I also like tweeting random things
- Dev Advocate for Corvid by Wix

Meredith Hassett

@mlhassett

Corvid by Wix

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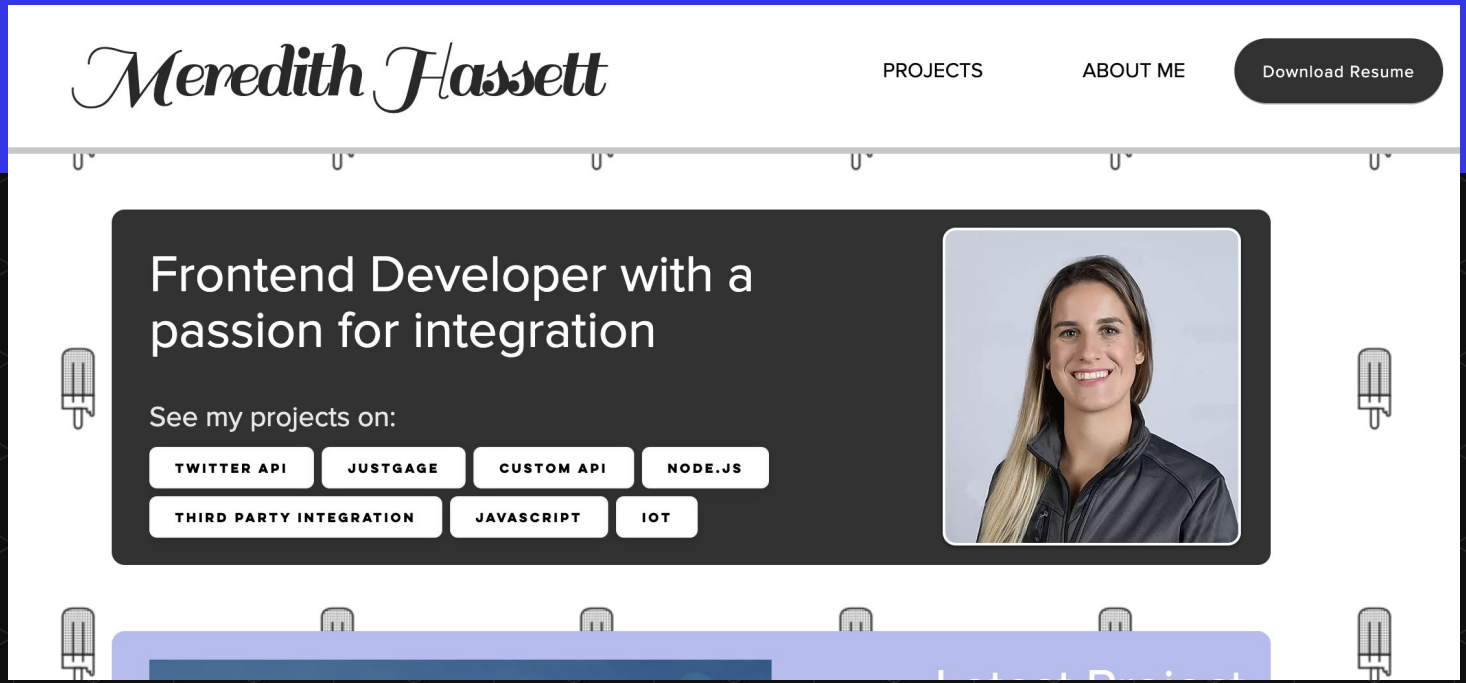
What are we doing today?



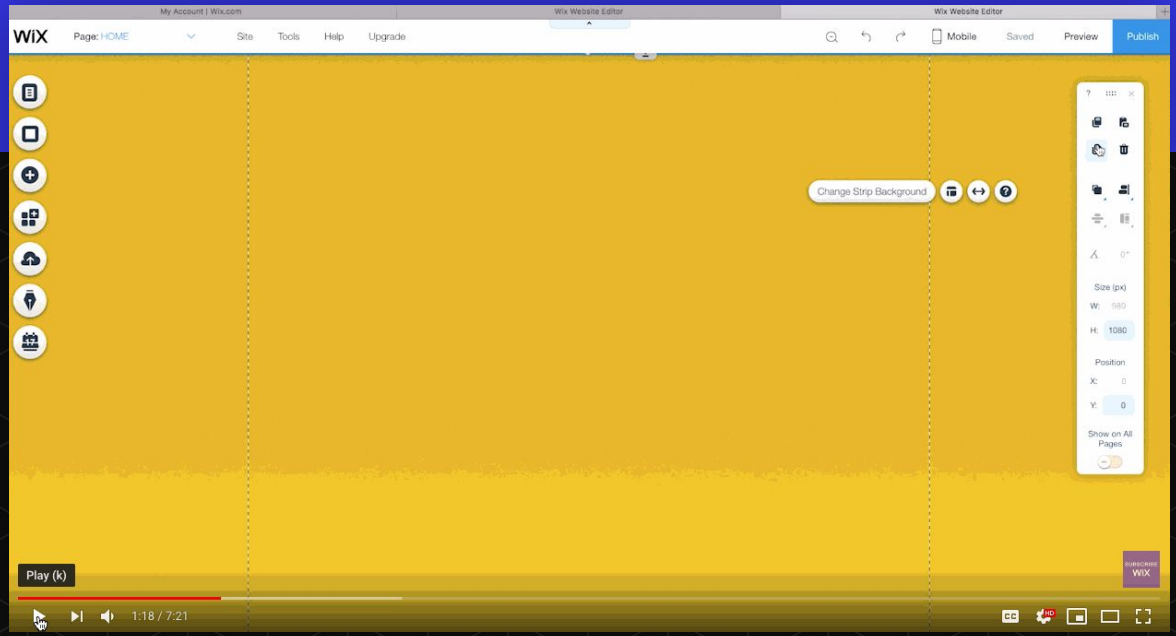
Follow along with the Exercises

https://github.com/corvid-by-wix

What is Corvid?

- Javascript Web Dev Platform
- Built-in IDE
- Integrated database
- Serverless, Node.js
- Zero setup, production-grade applications

Professional UI Builder from Wix



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Corvid Tool Set

Built-In Cloud IDE	Node.js Server	npm Packages	HTTP Functions
Front-End APIs	External Database Collections	Marketing Tools & Integrations	Dynamic Pages

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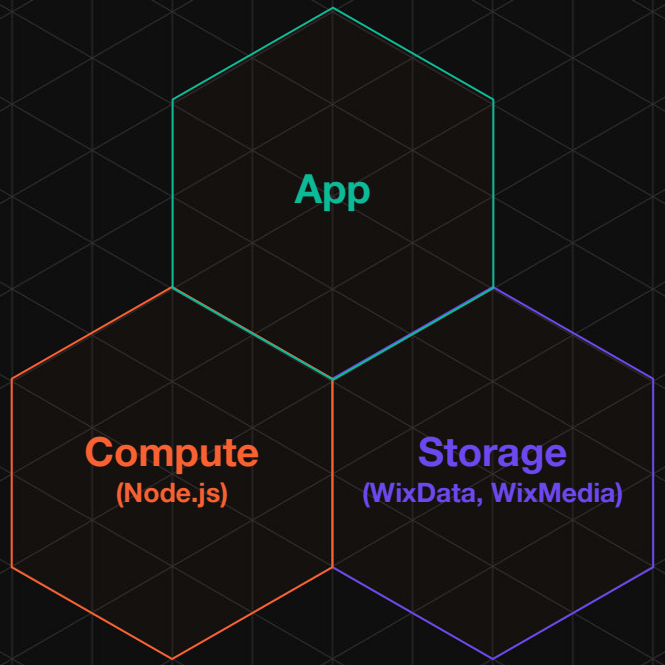
Fully Managed

- App:
  - Visual Builder
  - Identity Management
  - Business Applications
  - CRM
  - DataBinding
  - Content Pages
- Compute
  (Node.js):
  - HTTP functions
  - Events
  - Scheduler
  - NPM
  - Web modules
  - Routers
  - Secrets
  - Monitoring
- Storage
  (WixData, WixMedia):
  - CRUD
  - Video / Images
  - Batching
  - Aggregates
  - Hooks
  - External Collections
  - Permissions



What are we doing today?

- Corvid Basics
- Data and Dynamic Pages
- Twilio Integration

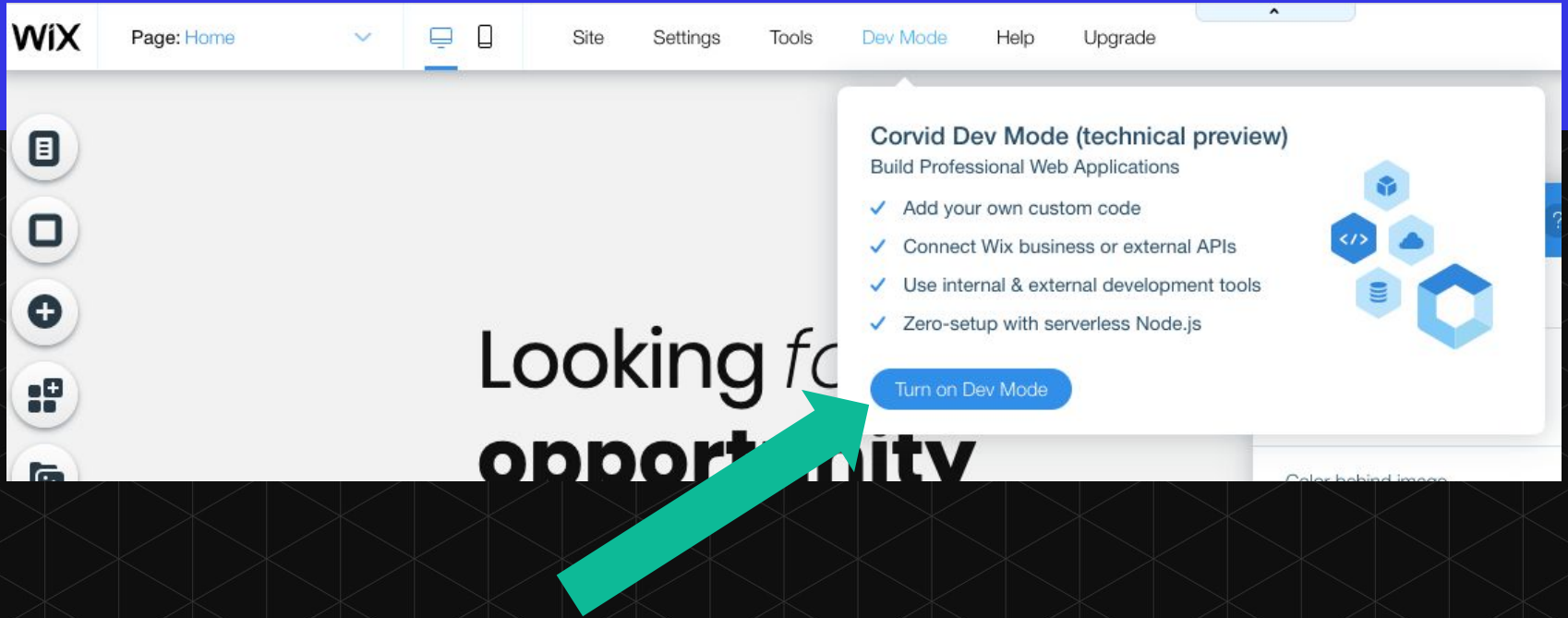
Corvid Basics

- Dev Mode On
- Wix Element Selector API
- Wix Element Events
- APIs & Reference

Corvid Basics

- **Dev Mode On**
- Wix Element Selector API
- Wix Element Events
- APIs & Reference

Dev Mode On!


WiX
Page: Home
Site
Settings
Tools
Dev Mode
Help
Upgrade
Corvid Dev Mode (technical preview)
Build Professional Web Applications
Add your own custom code
Connect Wix business or external APIs
Use internal & external development tools
Zero-setup with serverless Node.js
Turn on Dev Mode
Looking fo
opport nity

Corvid Basics

- Dev Mode On
- **Wix Element Selector API**
- Wix Element Events
- APIs & Reference

Corvid by Wix

$w()

Selects and returns elements from a page

```
$w.onReady(function () {
    const textVal = $w('#textInputId').value

    $w('#buttonId').onClick(() => {
        // do something
    })
});
```

Getting and Setting Values

```
Const oldValue = $w(‘#textInput’).text

$w('#textInput').text = 'new value'
```

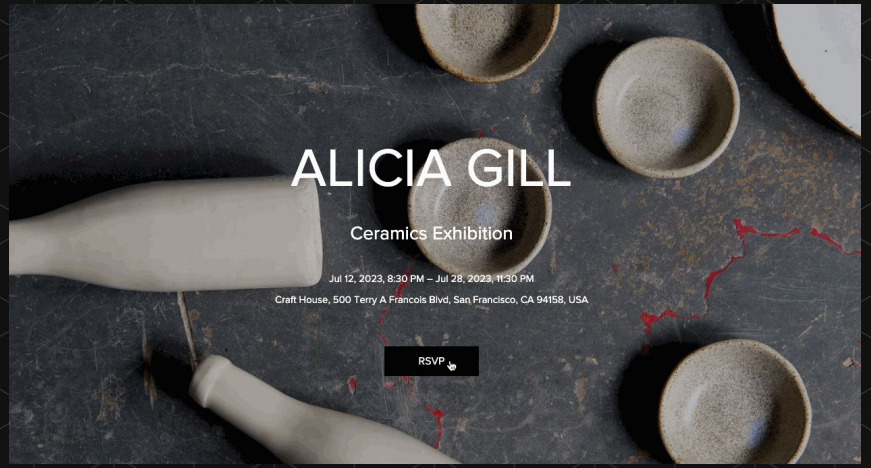
Corvid Basics

- Dev Mode On
- Wix Element Selector API
- **Wix Element Events**
- APIs & Reference

Corvid by Wix

Events

Events are fired when certain actions occur to elements



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Element Events

```
OnClick
onDblClick
onMouseIn
onMouseOut
onViewportEnter
onViewportLeave
```

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Button Events

- **OnClick**
- onDblClick
- onMouseIn
- onMouseOut
- onViewportEnter
- onViewportLeave

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Button onClick()

```
$w('#button').onClick((event) => {
        // action goes here
                });
```

Corvid Basics

- Dev Mode On
- Wix Element Selector API
- Wix Element Events
- **APIs & Reference**

Wix Data API

Functionality for working with data in collections

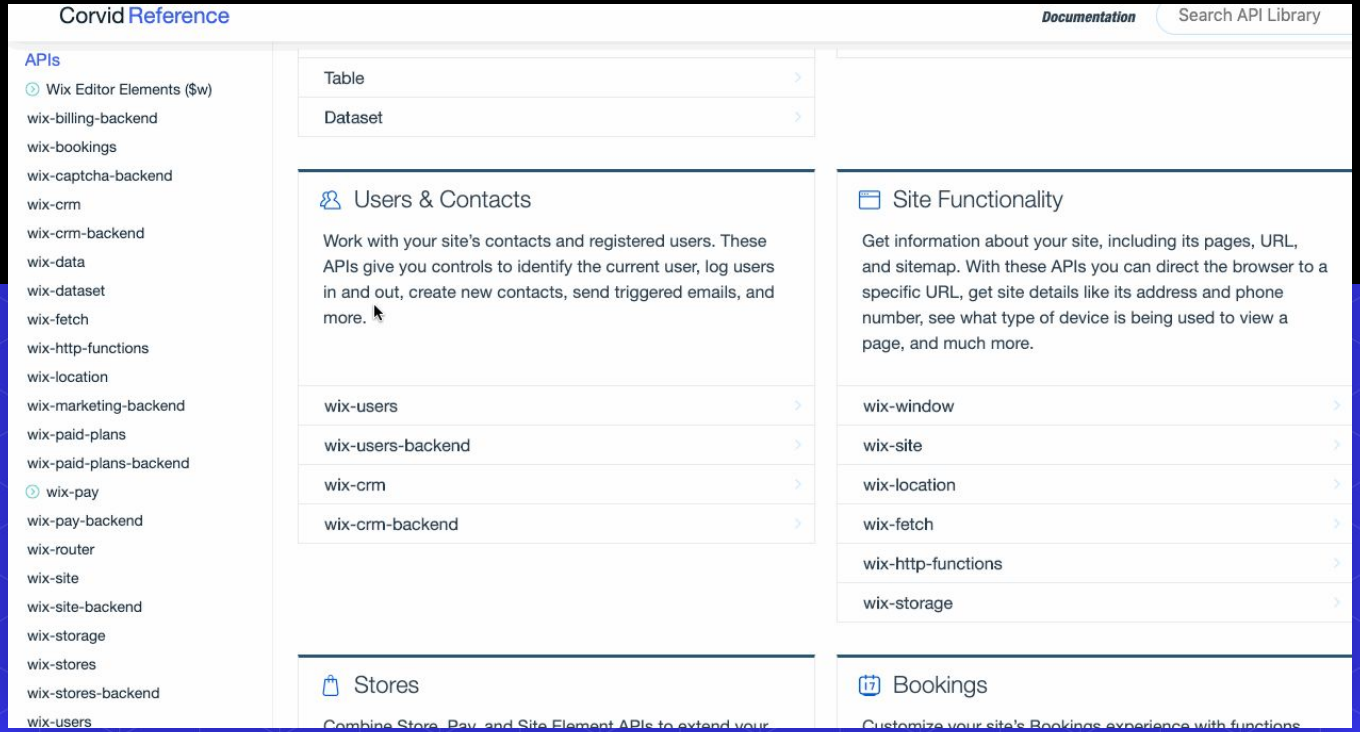
```
import wixData from 'wix-data'
```

Wix Data - Query

Get the items in a collection.

```
await wixData.query(collectionName).find()
```

Corvid API Reference



http://wix.com/corvid/reference

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Data and Dynamic Pages

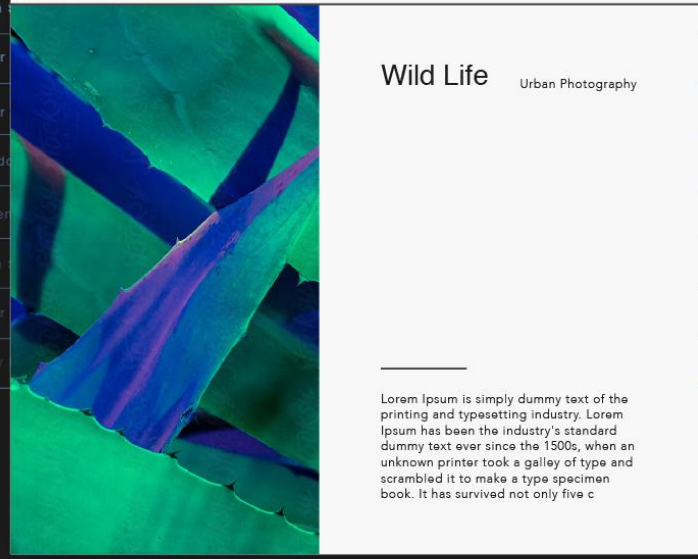
- Create a Database Collection
- Dynamic Pages
- Present Skills on the Screen

Data and Dynamic Pages

- **Create a Database Collection**
- Dynamic Pages
- Present Skills on the Screen

Integrated Database

	Name	Address	Days	Price
1	Roger Crontedt	459 Gayley Ave	July 5th - 10th	$900
2	Brandon Chen	753 Dartshire Way	August 4th - 9th	$950
3	Warren Fields	12 Palazzo Drive	August 4th - 12th	$900
4	Kevin			
5	Roger			
6	Roger			
7	Brand			
8	Warren			
9	Kevin			
10	Roger			
11	Emily			



Wix Data Field Types

Text	URL
Number	Boolean
Image	Date&Time
Address	Rich Text
Document	Audio

Data and Dynamic Pages

- Create a Database Collection
- **Dynamic Pages**
- **Present Skills on the Screen**

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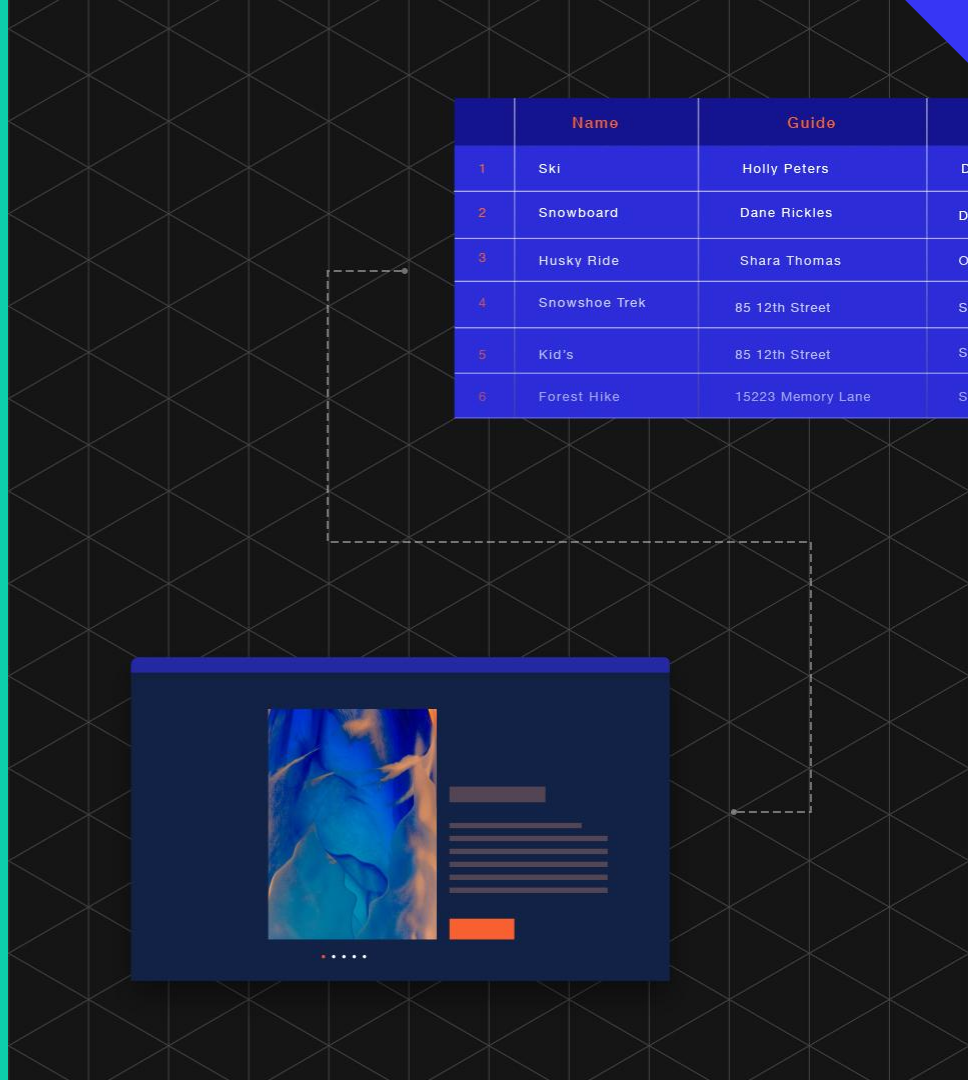
Connect Data to UI Components



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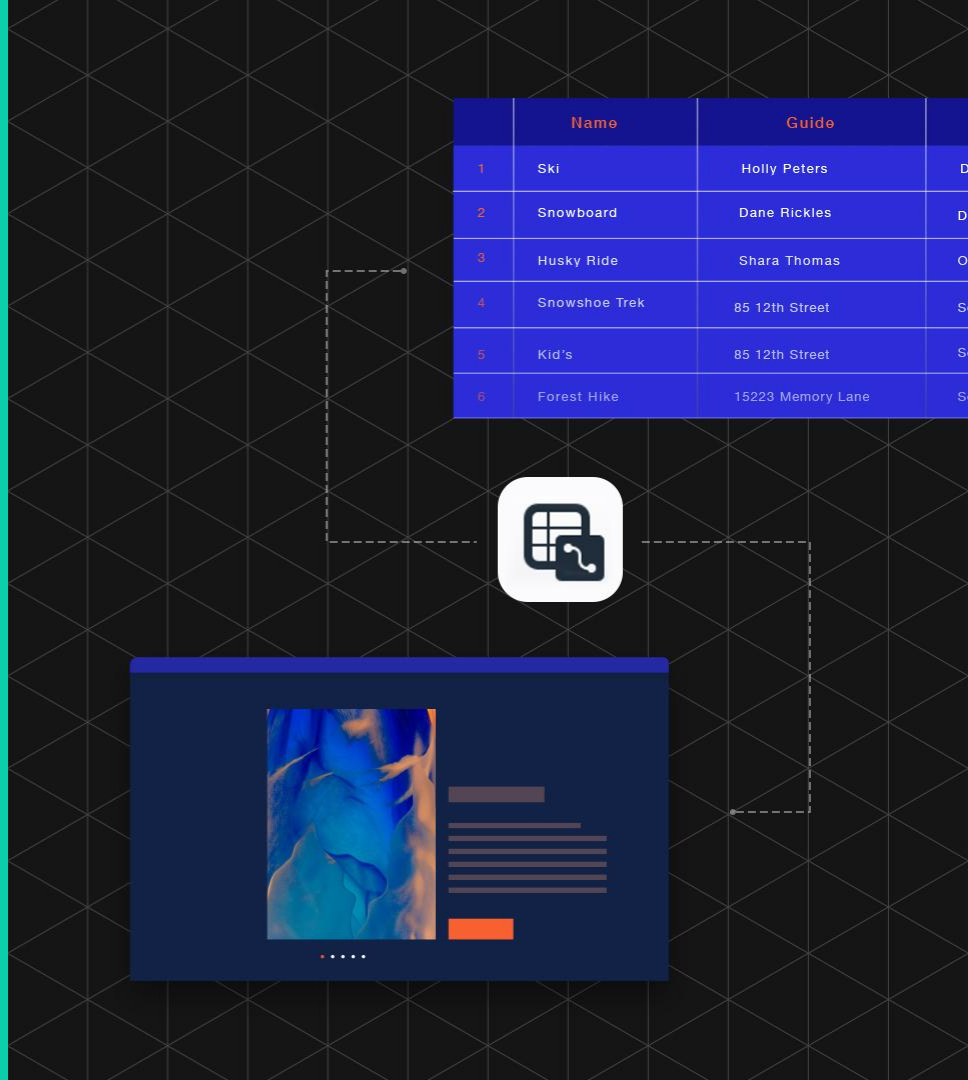
Dataset



Integrations

- Wix Fetch
- Backend Code & NPM!
- Call Backend Code on the UI

Integrations

- **Wix Fetch**
- Backend Code & NPM!
- Call Backend Code on the UI

Wix Fetch

Reach an external API

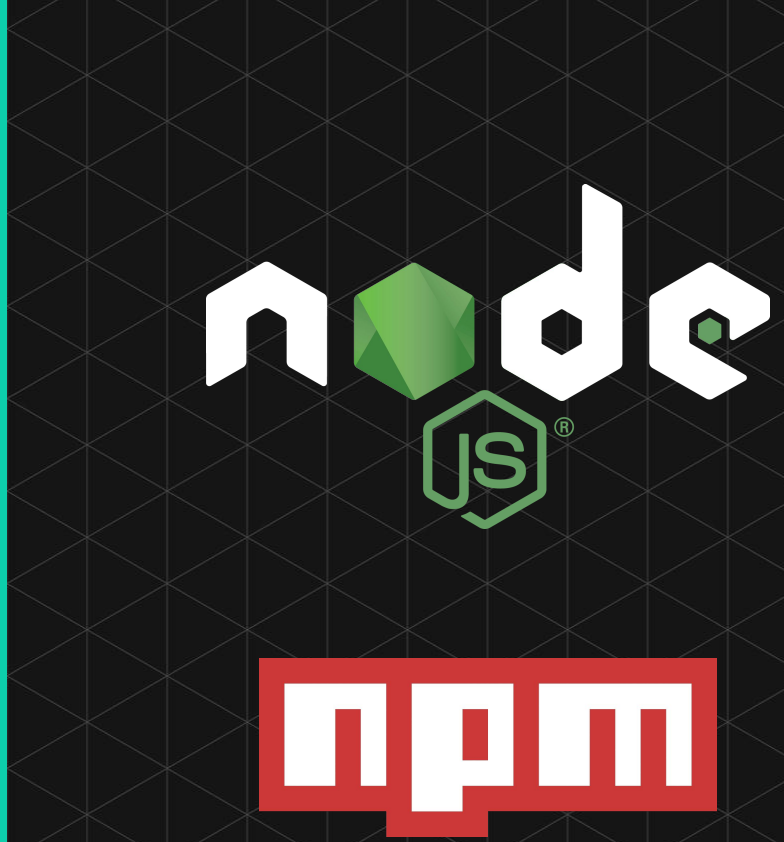
```
fetch(url, requestOptions)
```

Integrations

- Wix Fetch
- **Backend Code & NPM!**
- Call Backend Code on the UI

Backend Code!

- JavaScript web modules
- NPM Modules



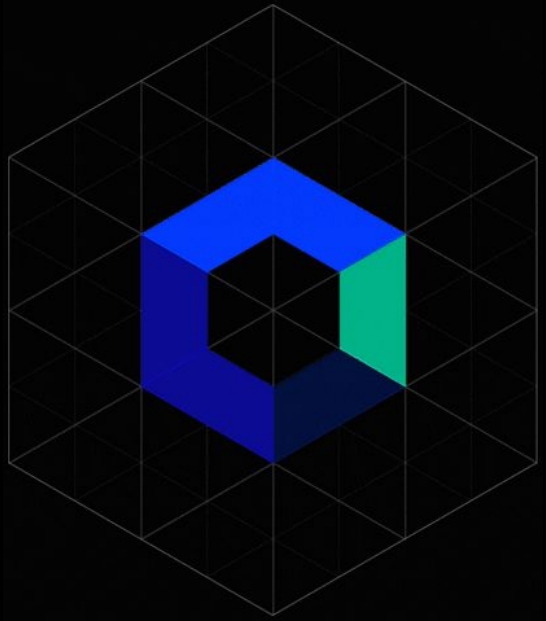
Integrations

- Wix Fetch
- Backend Code & NPM!
- **Call Backend Code on the UI**

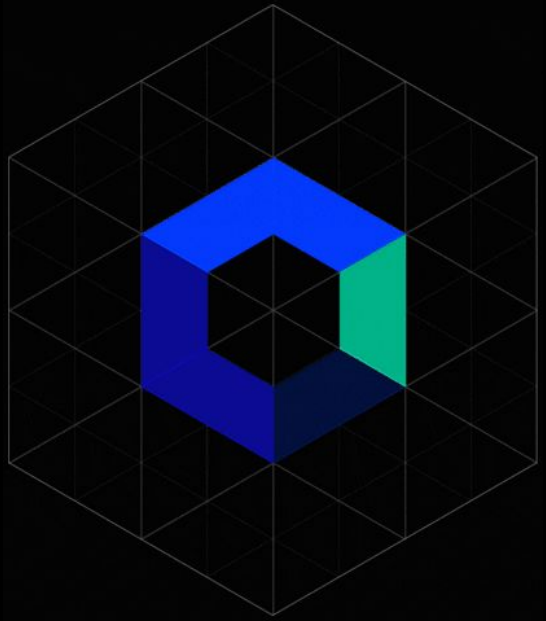
Access Backend Functions

```
Import {myFunction} from 'backend/code'
```

Let’s Publish!!!



And you're ready to fly!



Thank You!

Meredith Hassett

@mlhassett

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