Fetching Data from the Web

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“Without a network
connection,
your phone is nothing more
than an Angry Birds player.”

Overview

The Dart `http` package

- `http.read()`
- `http.get()`

`HttpClient`

- `dart:io`

The **http** Package

String

Future<String>

```
var contents = await http.read('http://myendpoint');
```

The **http** Package

Response

Future<Response>

```
var response = await http.get('http://myendpoint');
print('${response.body}');
var response = await http.post('http://myendpoint', 'data');
print('${response.statusCode}');
```

The `HttpClient` Class

```
import ‘dart:io’;
var client = HttpClient();
var request = await client.get(‘http://myendpoint’, 80, ‘/path’);
var request = await client.getUrl(Url(‘http://myendpoint/path’, ‘’));
```

The `HttpClient` Class

Future<HttpClientRequest>

```
import ‘dart:io’;
var client = HttpClient();
var request = await client.get(‘http://myendpoint’, 80, ‘/path’);
var response = await request.close()
```

Summary

Handling HTTP requests and responses with Dart

http.read()

http.get()

HttpClient

- Creates an HttpClientRequest but does not send it
- Call the close() method to send the request
- Transform the HttpClientResponse

Futures

Next up: generating JSON data