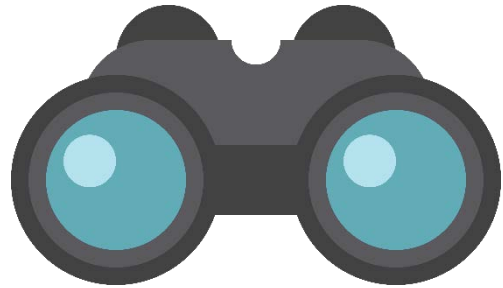


Course Overview



Introduction

Basic Builds

Advanced Builds

Tools

Specific Builds

Who Should Watch This Course?

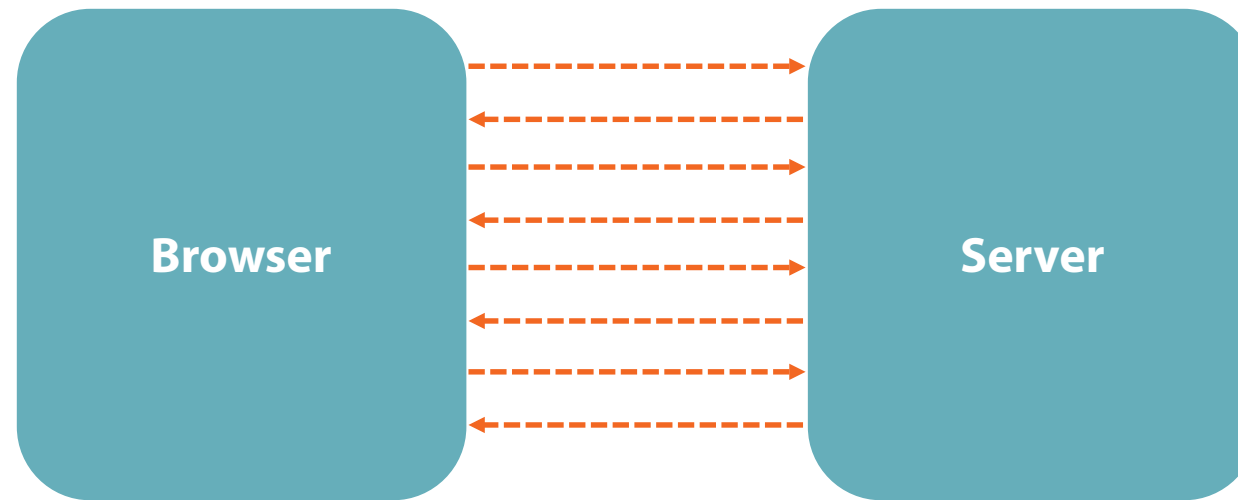


Front End Web Developers

Why Do We Need a Build?

?

Multiple Web Requests



Code Size

```
function rockOut(guitar) {  
    if(guitar.canShred) {  
        guitar.shred();  
    } else {  
        guitar.play();  
    }  
}
```

Minified

```
function  
rockOut(guitar){if(guitar.canShred){guitar.shred();}else{g  
uitar.play();}}
```

Really Minified

```
function rockOut(c){c.canShred?c.shred():c.play()}
```

File Order Dependencies

```
<head>  
  <script src="members.js"></script>  
  <script src="bands.js"></script>  
</head>
```


Transpilation

```
function playSolo(drums, duration = 5) {  
  drums.startSolo();  
  setTimeout(function() {  
    drums.endSolo();  
  }, duration * 60000);  
}
```

Linting

```
function tune(lead, bass, keyboard) {  
  lead.tune()  
  bass.tune()  
}
```

Why Do We Need a Build?



Combining Files

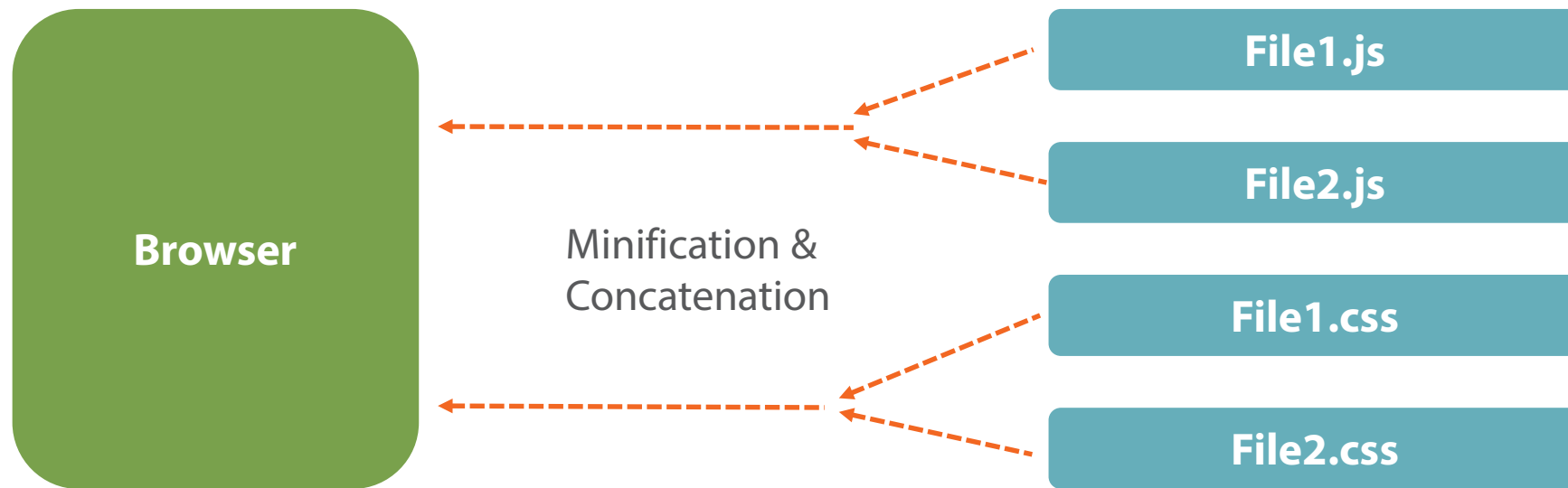
Minifying Files

Maintaining File Order

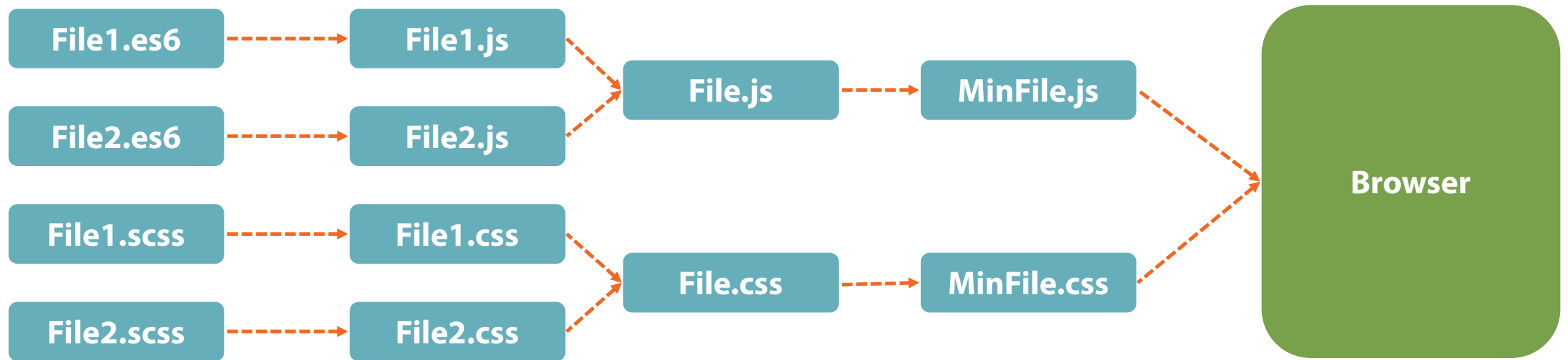
Transpilation

Linting

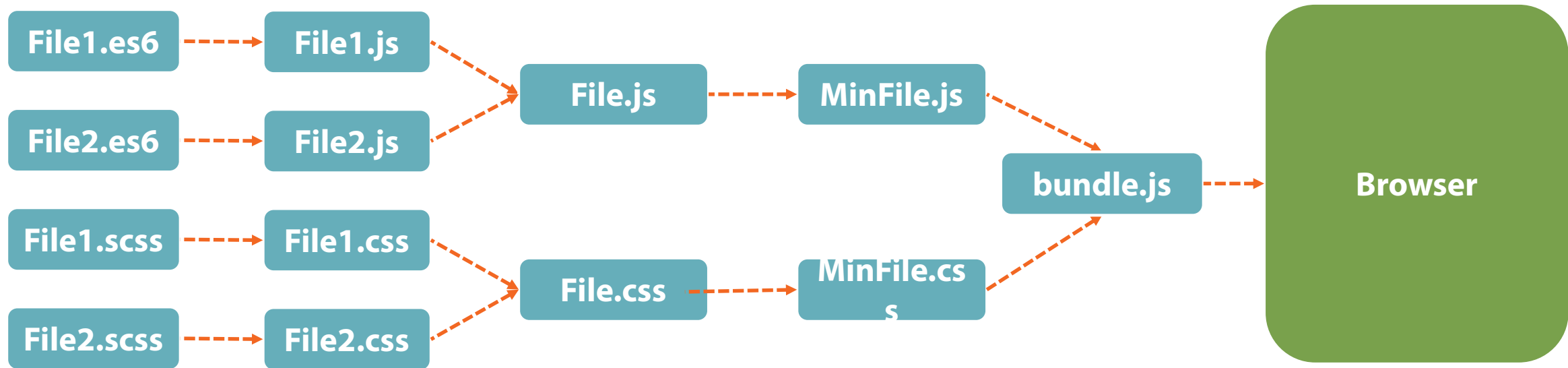
Server-Side Build Tools



Task Runners



Webpack

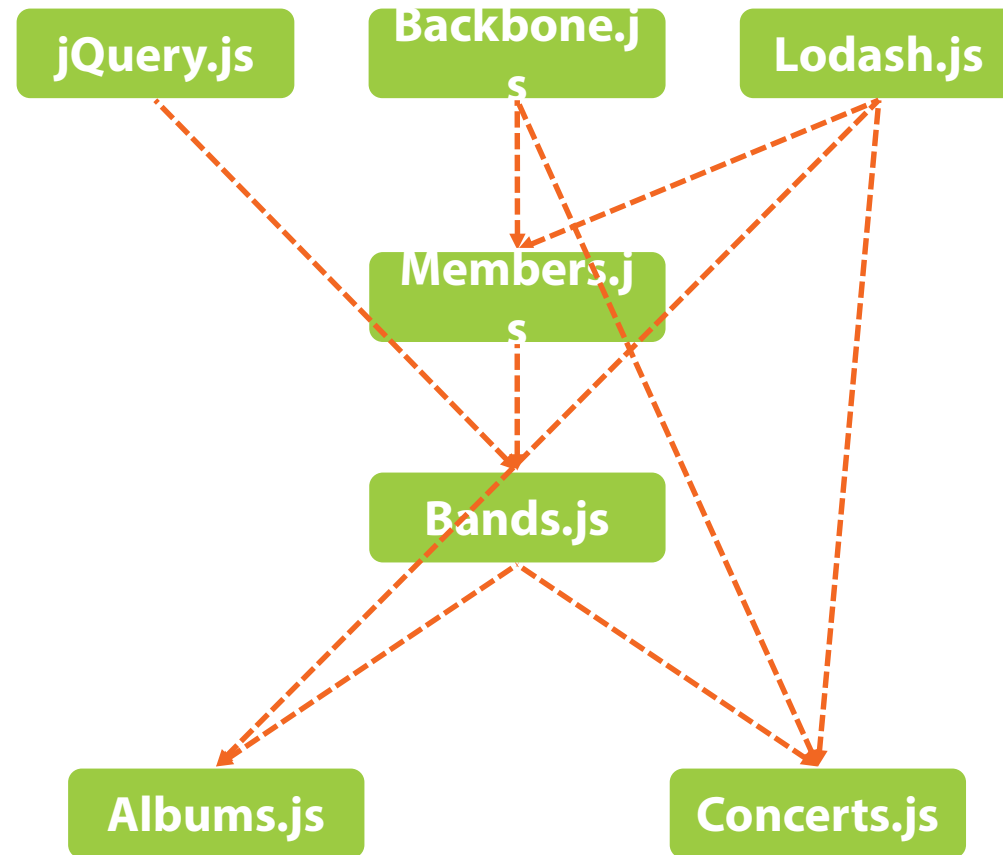


Webpack Conventions

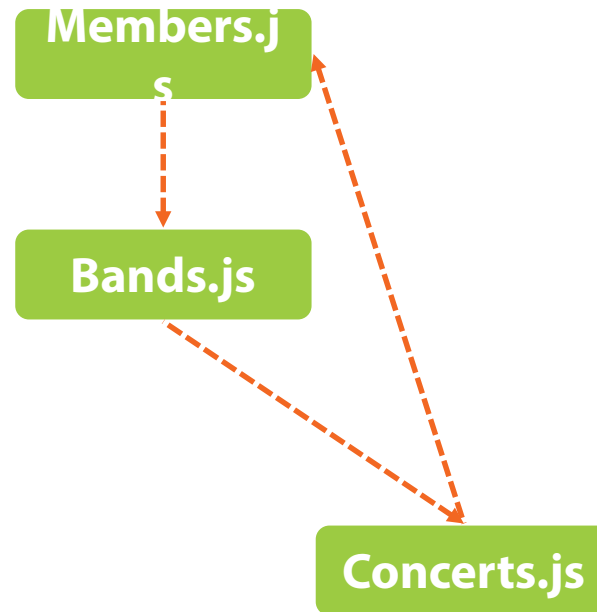
Use NPM not Bower

Use a Module System

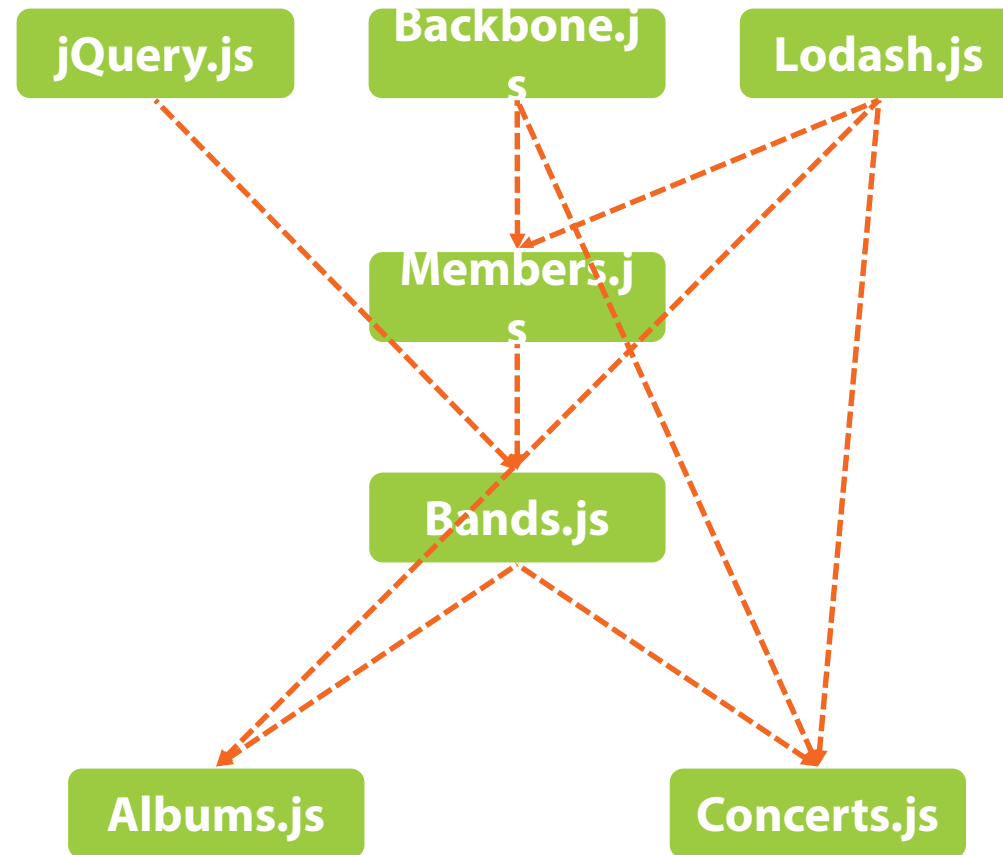
Module Systems



Module Systems



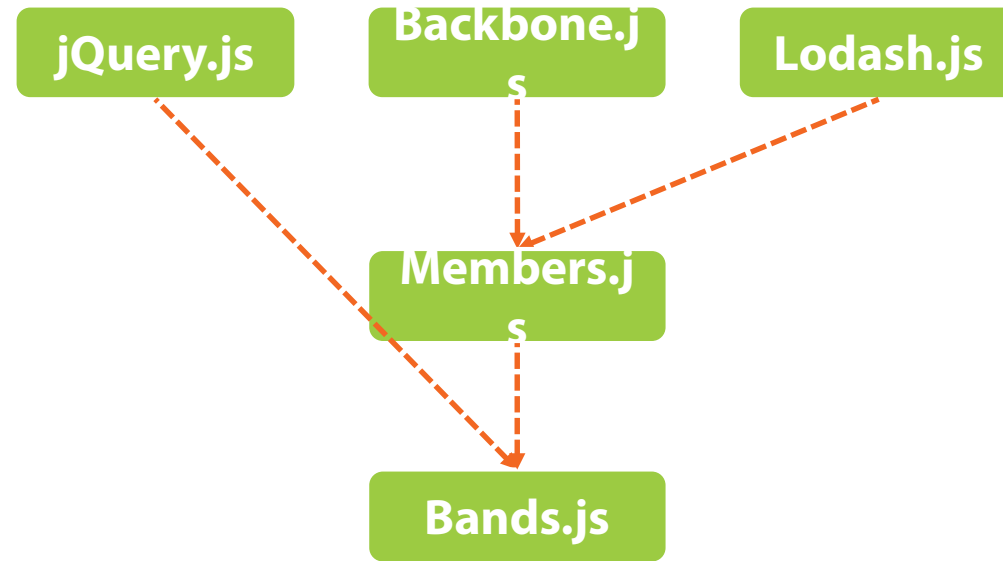
Module Systems



Concerts.js

```
var bands = require('./Bands');  
var Backbone = require('Backbone');  
var Lodash = require('Lodash');  
  
// code
```

Module Systems



Bands.js

```
var $ = require('jQuery');  
var members = require('./Members');
```

```
// code
```

Summary



Introduction

The Need for a Build

Alternate Solutions

Webpack

Module Systems