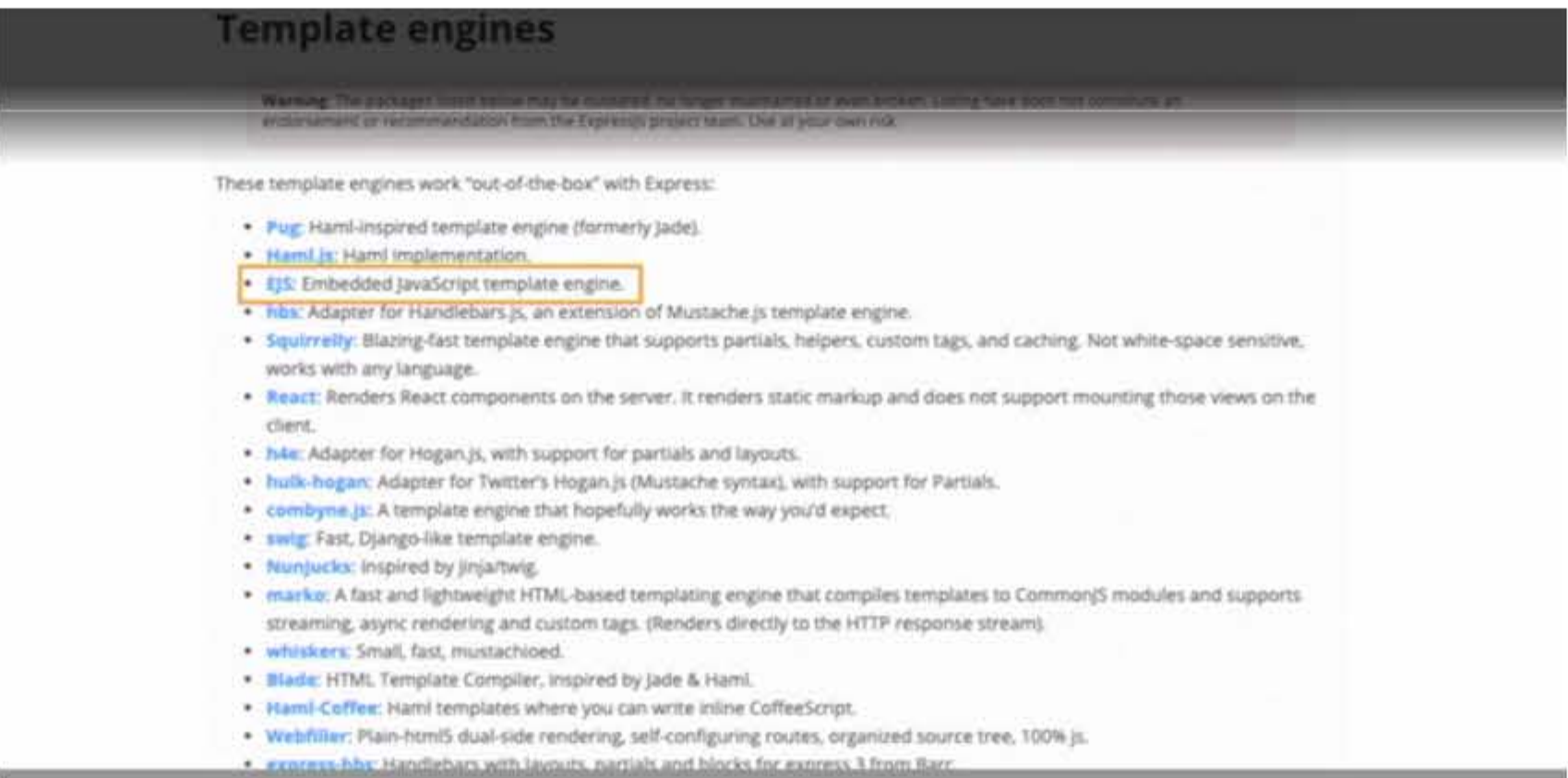
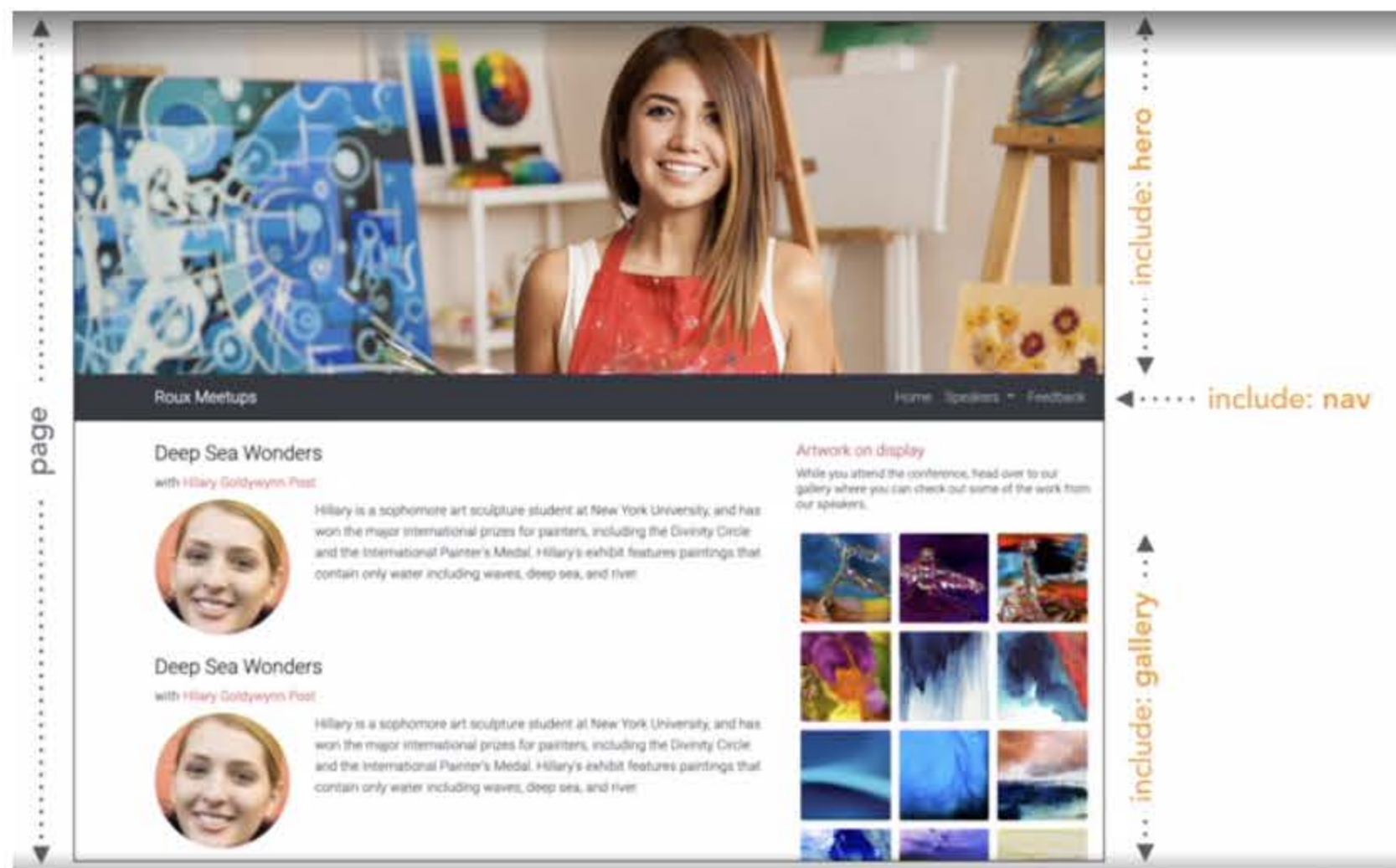
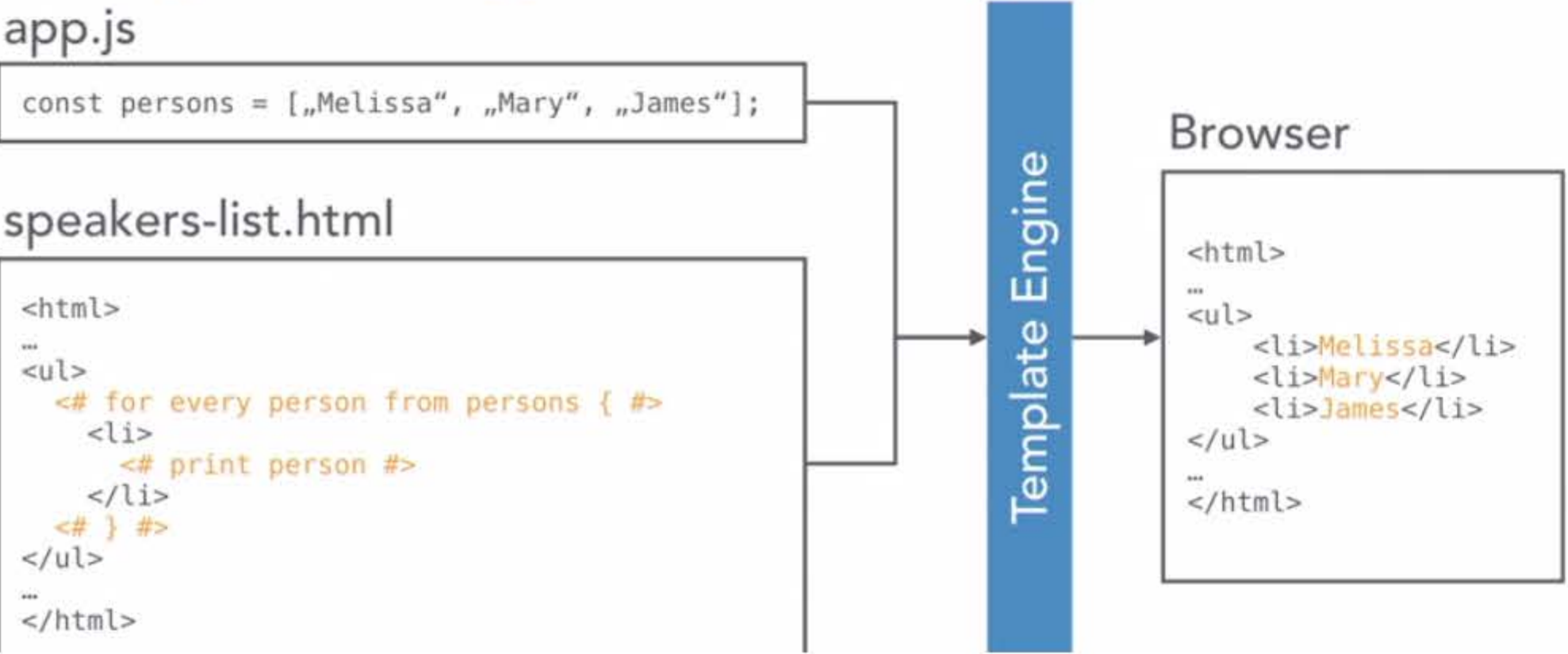
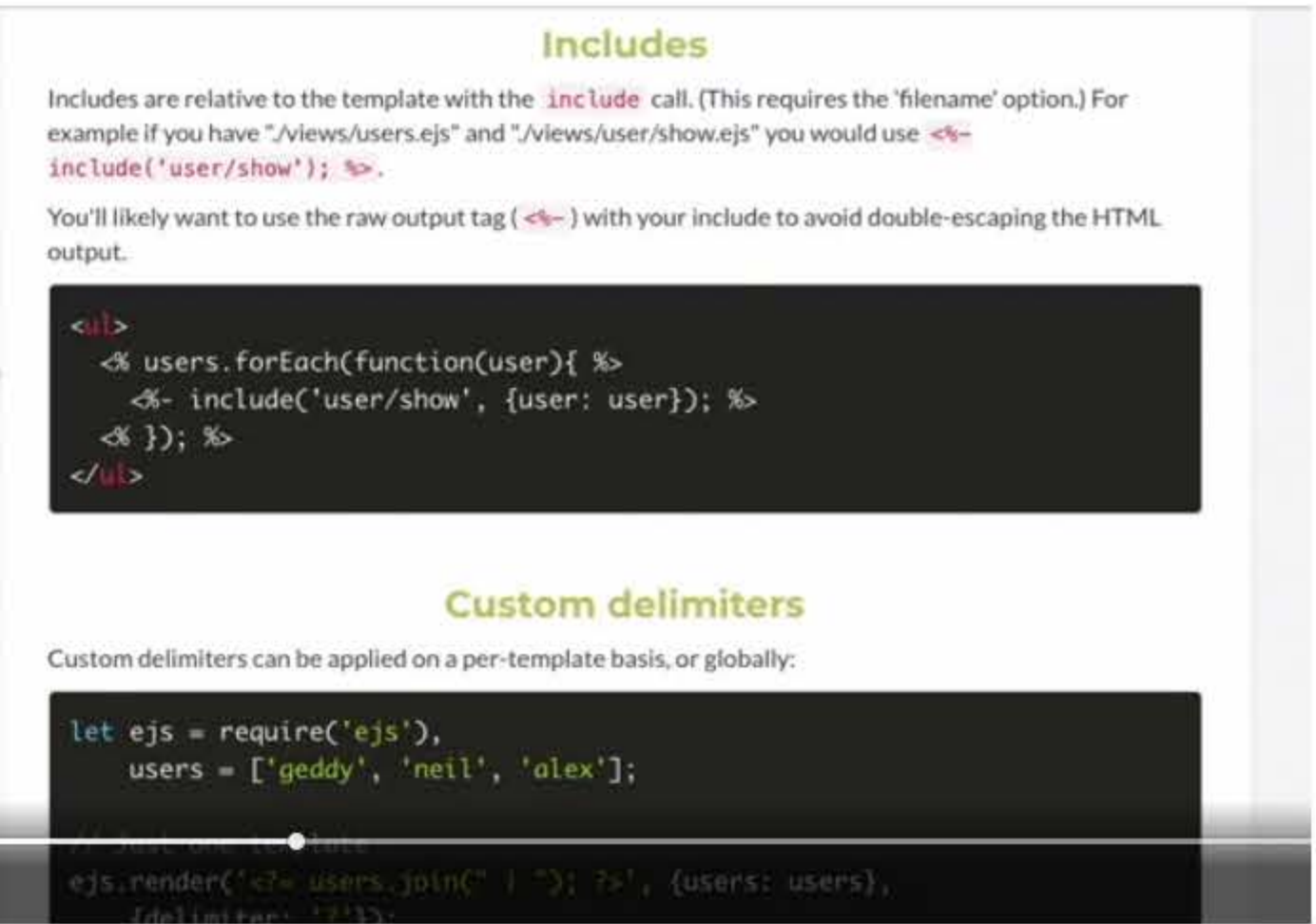
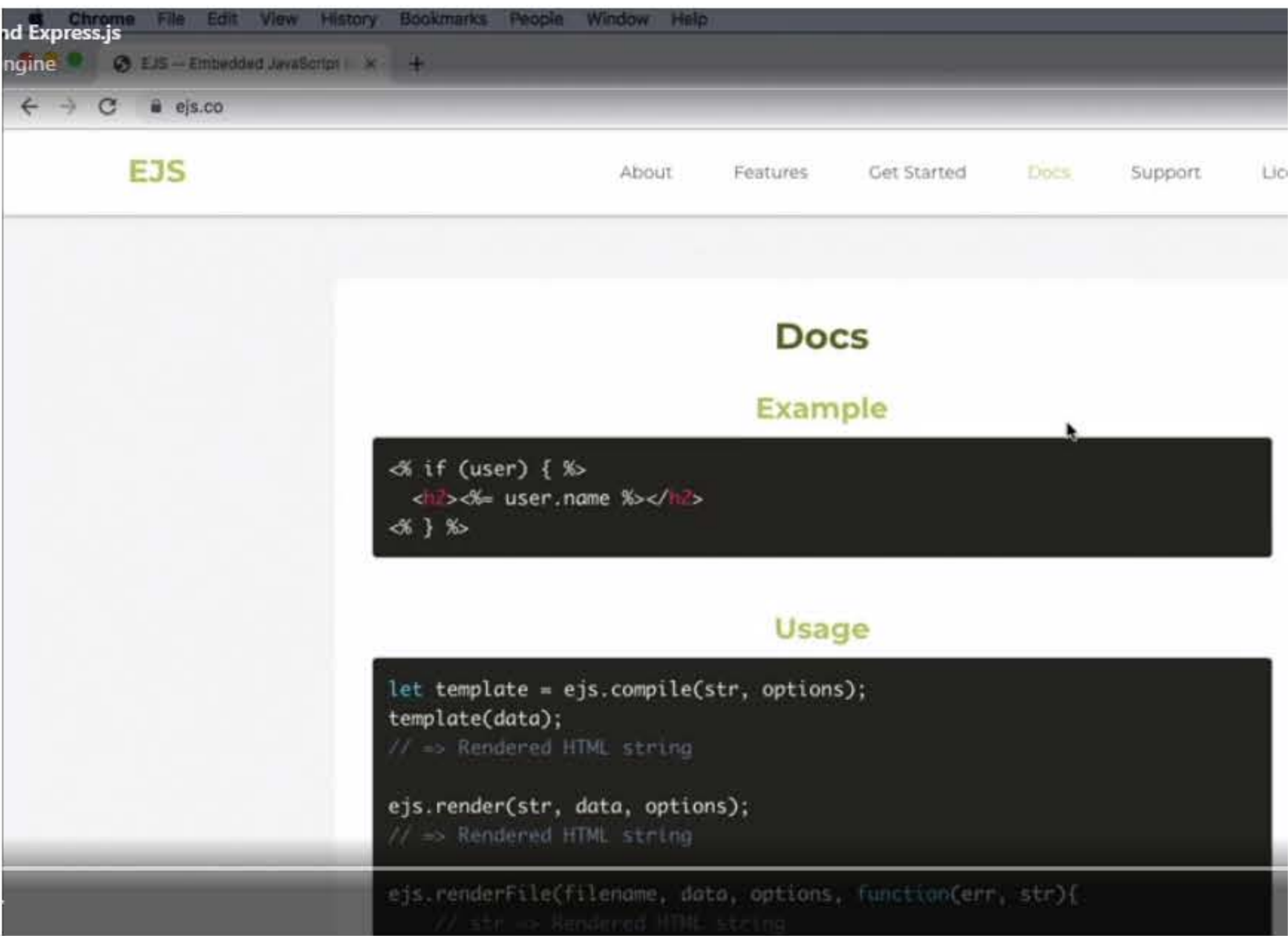


Template Engines and Express



Url: <https://expressjs.com/en/resources/template-engines.html>



Syntax

- `app.use(callback);`
- `app.use(path, callback);`
- `app.[get | post | put | delete | ...](path, callback);`

Express Middleware Can...

- Execute any code
- Change the request and response objects
- End the request-response cycle – mostly to send data back to the caller
- Call the next middleware in the stack

Express Middlewares

```
app.use((req, res, next) => {  
  // Do something  
  return next();  
});
```

Express Routing Middlewares

`http://localhost:3000/feedback`

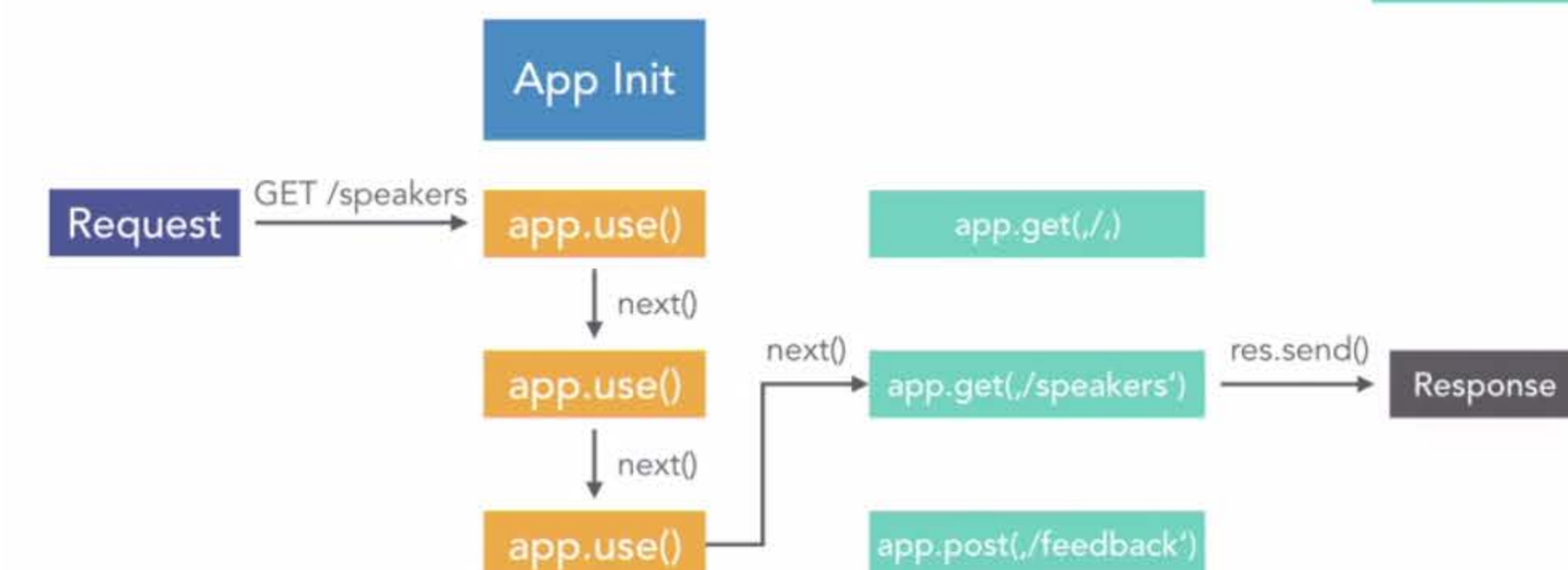
<code>.get</code>		
<code>.post</code>		
<code>.put</code>		
<code>.delete</code>		
Verb	Path	Handler Function

```
app.get('/feedback', (req, res, next) => {  
  // Do something  
  return res.send('Hello');  
});  
  
.sendFile(somefile);  
.render(mytemplate);
```

Parameter Routes

- `app.get(/speakers/:speakername', handler);`
`http://localhost:3000/users/melissa`
`http://localhost:3000/users/frank`
- `app.get(/speakers/:speakername?', handler);`
`http://localhost:3000/users`
`http://localhost:3000/users/melissa`

The Express Request Lifecycle



A Little Intro to REST

Representational State Transfer

HTTP Verbs and REST

🌐 http://localhost:3000/feedback

.get	Request a resource
.post	Create a resource
.put	Update a resource
.delete	Delete a resource

JSON →

Verb	Path
app.get	('/feedback', (req, res, next) => {
	// Do something
	return res.send('Hello');
	});

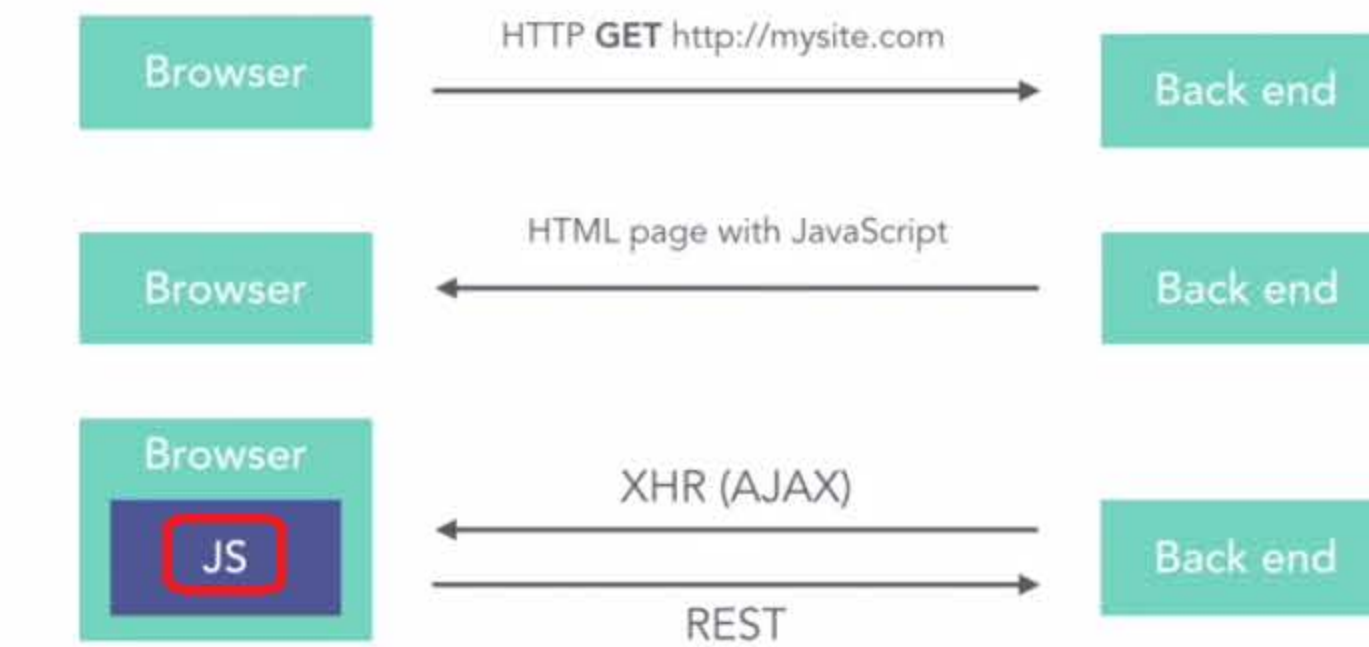
Create, Update, and Delete (CRUD) via REST

- HTTP **GET** http://mysite.com/users
Getting all users
- HTTP **POST (payload)** http://mysite.com/users
Creating a new user
- HTTP **GET** http://mysite.com/users/42
Getting the user with the ID 42

Create, Update, and Delete (CRUD) via REST

- HTTP **PUT (payload)** http://mysite.com/users/42
Getting all users
- HTTP **DELETE** http://mysite.com/users/42
Deleting the user with the ID 42

REST in Web Applications or SPA



Client side javascript: other client side frameworks can be used such as angular, react or vue.js
jquery is good and easiest solution for few dynamic requests, component is already available through bootstrap

```
scripts.ejs <
9   <script src="/js/pixgrid.js"></script>
10  </script>
11  <script
12    src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
13    integrity="sha384-JZR6Spejh4U02d8j0t6vLEHfe/3QJG1RRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
14    crossorigin="anonymous"
15  ></script>
16
17  <script src="/js/pixgrid.js"></script>
18  <script src="/js/feedback.js"></script>
19  </script>
20  <script src="/js/feedback.js"></script>
21  </script>
22
```

jquery - javascript inside ejs template

WHO SHOULD COME:

- Anybody interested in art and the creative industry
- Painters, sculptors, photographers and graphic artists
- Those interested in meeting and making a connection with others in the local art scene.

Artwork on display

While you attend the conference, head over to our gallery where you can check out some of the work from our speakers.

Network tab resources:

Name	Status	Type	Initiator	Size	Time	Waterfall
jquery-3.4.1.min.js	200	script	(index)	(memo...)	0 ms	
popper.min.js	200	script	(index)	(memo...)	0 ms	
bootstrap.min.js	200	script	(index)	(memo...)	0 ms	
pixgrid.js	304	script	(index)	242 B	5 ms	