

9. CRUD with Express

[Github Repository](#) | [Vimeo Video Recording](#)

Topics to cover

- [x] 1. Express.js Routes
- [x] 2. Implementing CRUD over HTTP
- [x] 3. EJS Templates
- [x] 4. Forms (action, method)
- [x] 5. Devtools network tab

Express

Framework for node.js apps to more easily accept HTTP Requests, and return HTTP responses. Simplifying the process of creating an HTTP server.

CRUD

Any time we are working with resources on a web server...

- CREATE (New Resource Form + Save)
- READ (Index + Show)
- UPDATE (Edit Form + Update)
- DELETE

EJS (Embedded JavaScript)

- Helps us format HTML strings
- You can sprinkle bits of JS logic in EJS files
- EJS is back-end, and helps us format a string BEFORE it is sent to the browser
- EJS does NOT run in a browser, and must be run in a back-end only
- Separation of concerns

GET vs. POST Forms

GET

- Is able to send a request with query parameters (right in the URL / address bar)
- Easy to share / reproduce
- Great for searches and reaching resources consistently

[myblog.com](http://myblog.com/?id=3)

OR

```
<form method="GET" action="https://google.com/search">  
  <input name="q">
```

https://google.com/search?q=query+parameter+strings

POST

- Not easily bookmarkable / reproducible
- Does not show submission values in address bar / URL
- Great for sign-ins, edits, etc. -> actions you don't want as easily repeated or visible

```
<form method="POST" action="https://site.com/sign-in">  
  <input name="user">  
  <input name="pass">
```

Useful Links

- [JS .splice documentation](#)
- [Status codes](#)

[View on Compass](#) | [Leave Feedback](#)