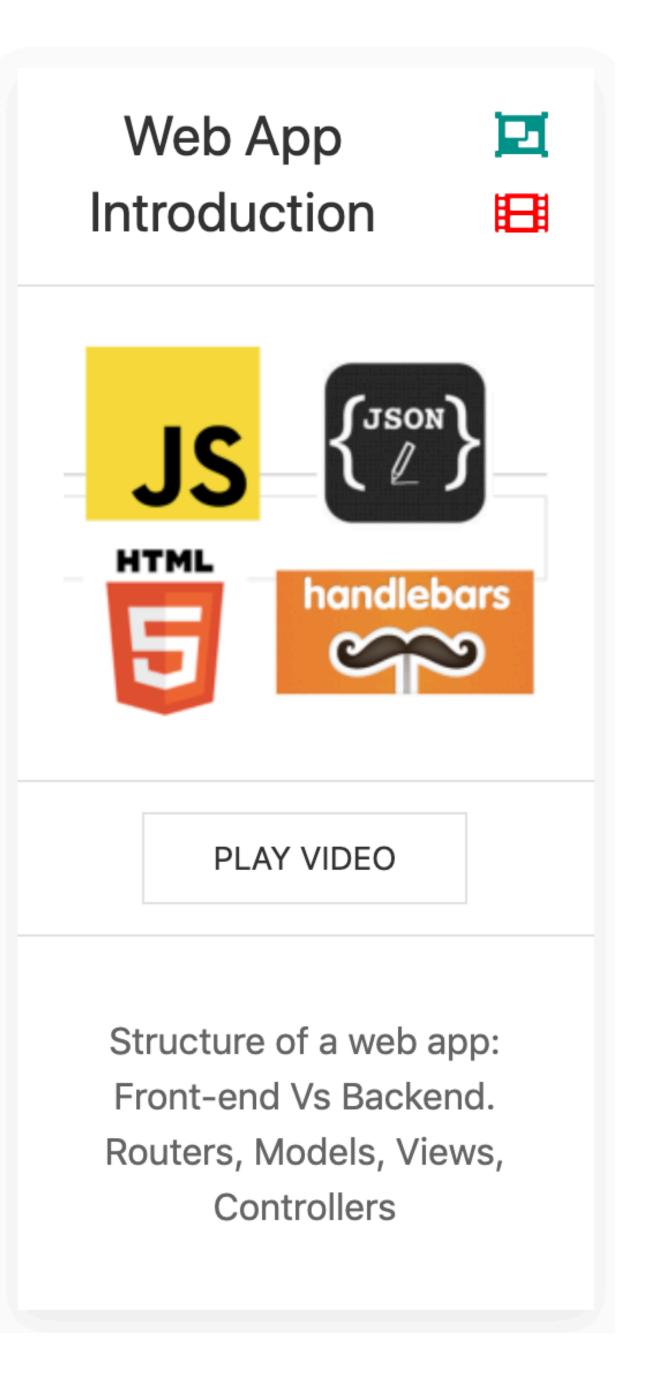
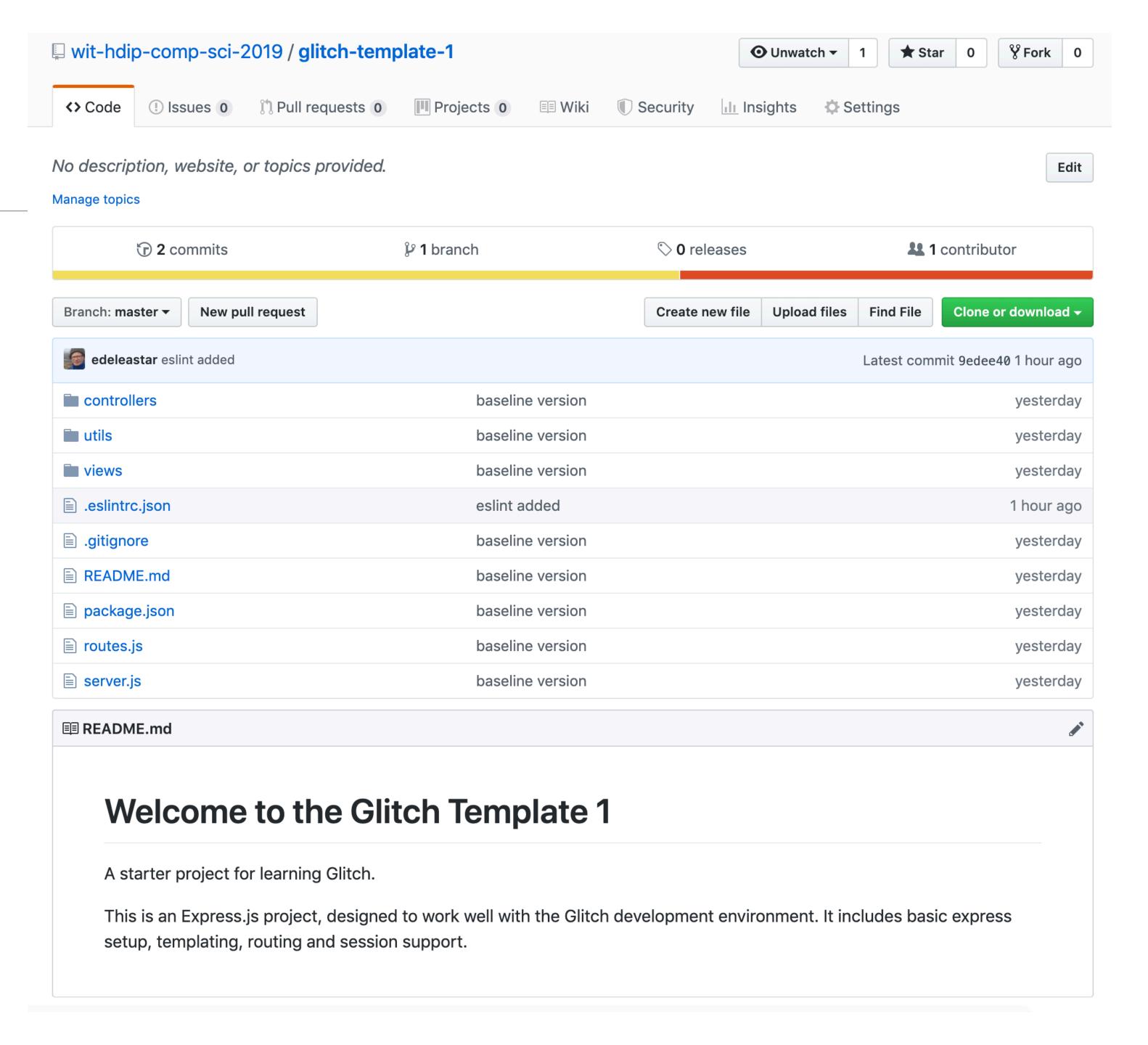
Web App Introduction

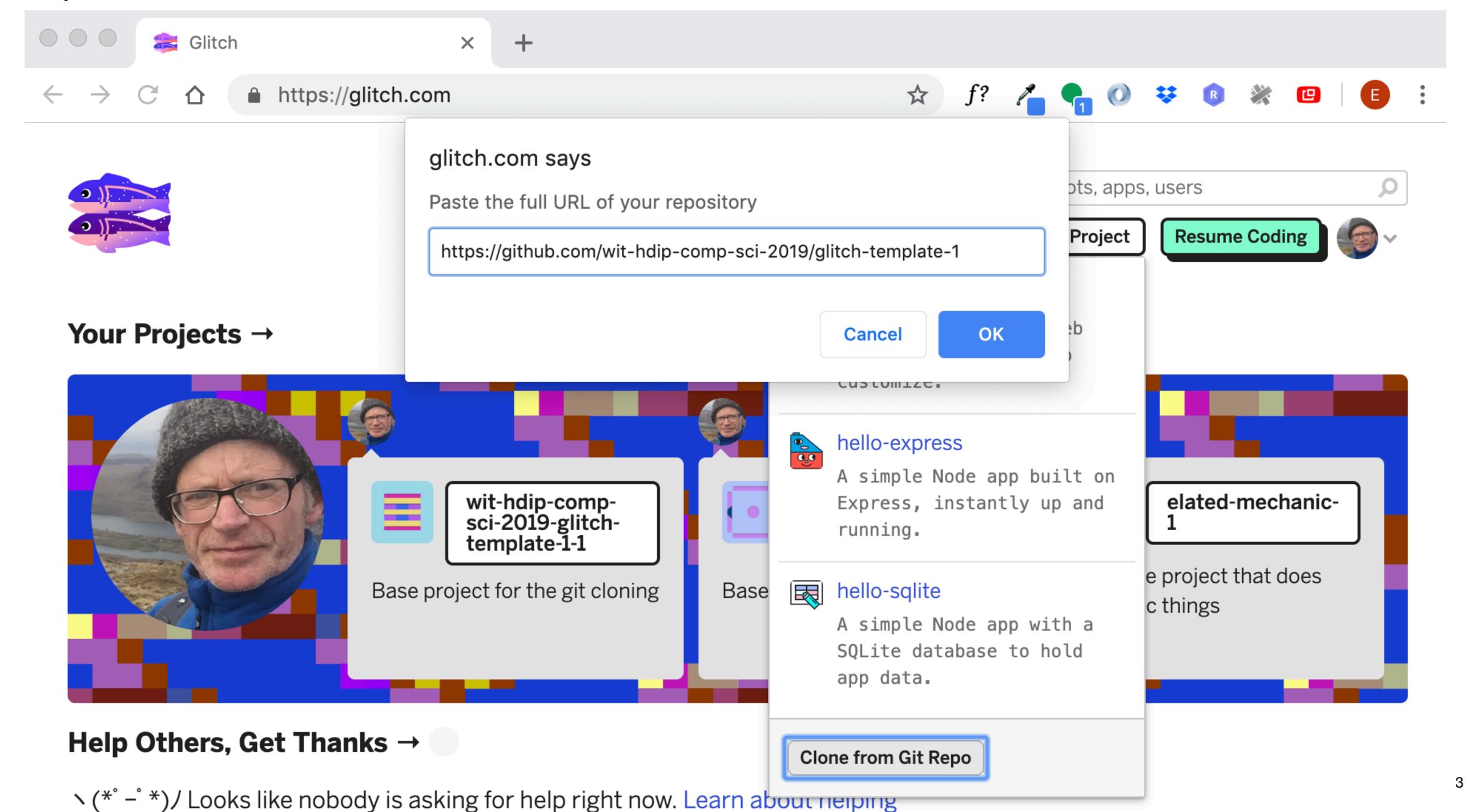


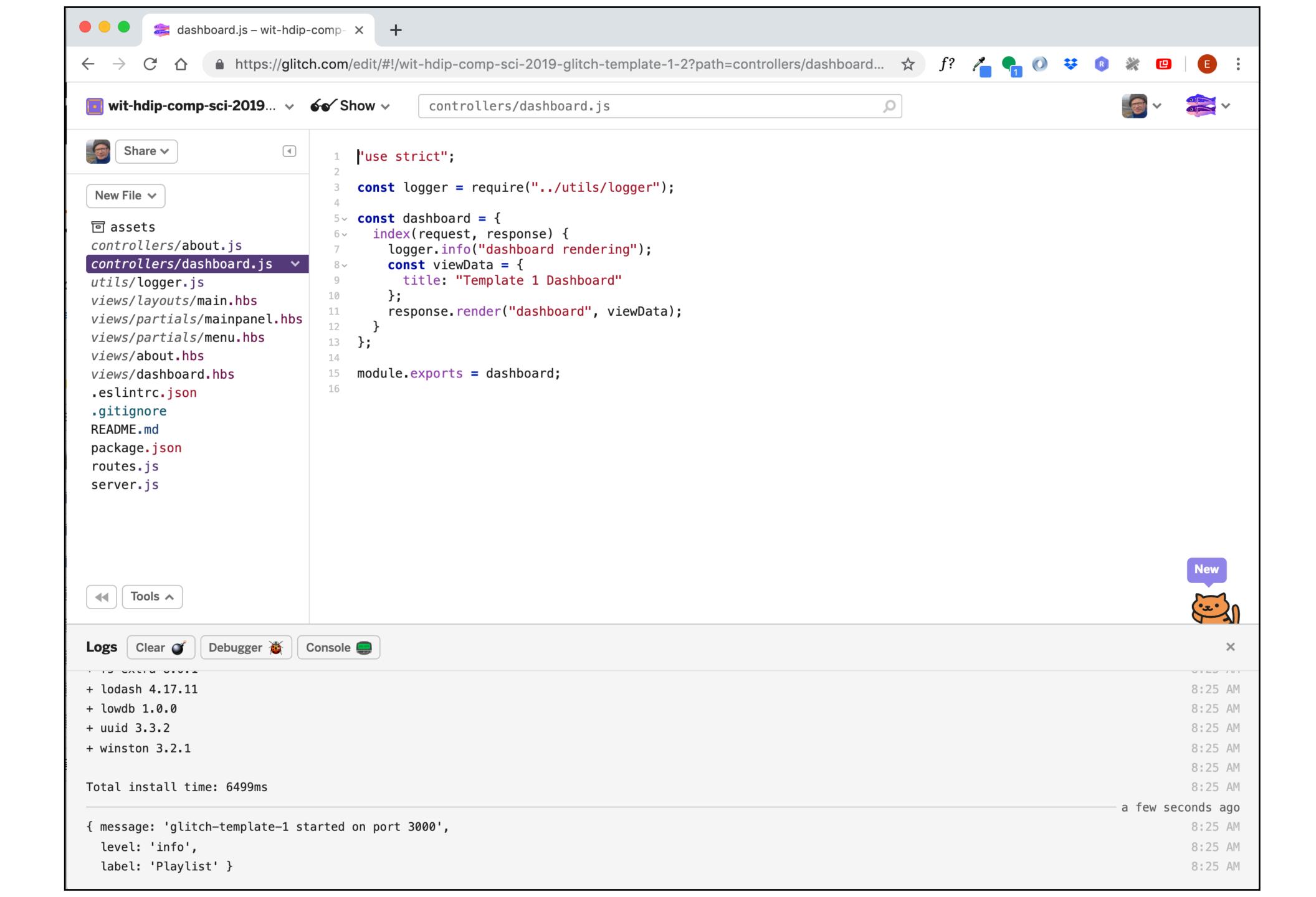
Starter App

- We will always start a new project by importing a template project from github.
- glitch-template-1 is a 'boilerplate' project providing foundation components for a starter application.
- Extend/repurpose this project to build interesting applications.

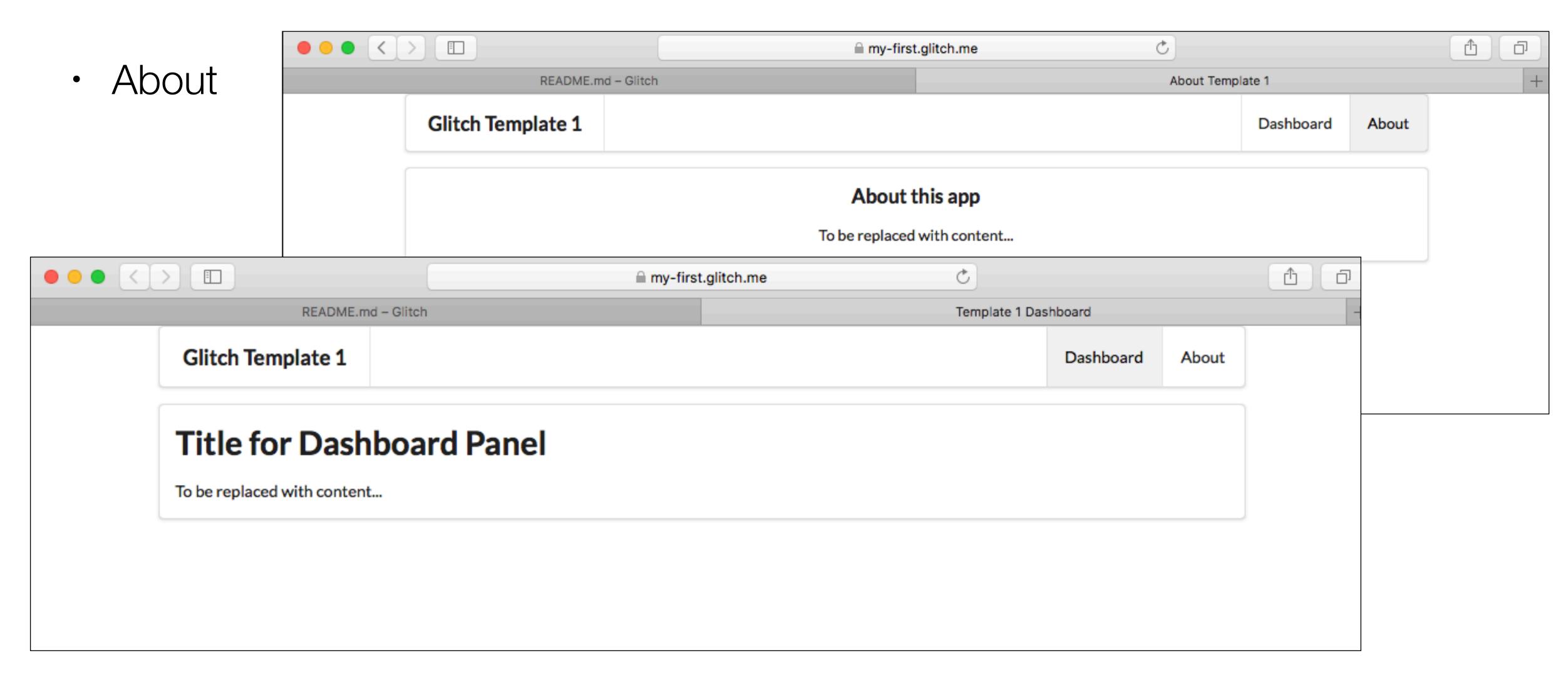


Import from Github...





- The starter app has a menu + 2 'Views':
 - Dashboard



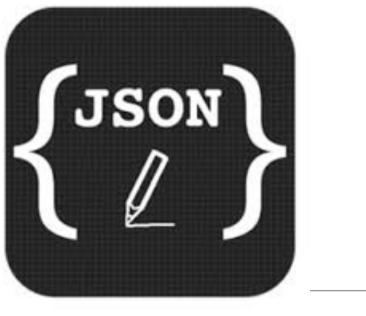
Application Structure

```
回 assets
controllers/about.js
controllers/dashboard.js
utils/logger.js
views/layouts/main.hbs
views/partials/mainpanel.hbs
views/partials/menu.hbs
views/about.hbs
views/dashboard.hbs
.eslintrc.json
.gitignore
README.md
package.json
routes.js
server.js
```

- App implements Routes + Model/View/ Controller Architecture
- These objects collaborate to support structured, predictable application workflow

Back-end

JS



- All written in Javascript + JSON
- Consists of:
 - Server main entry point
 - Routes supported urls
 - Controllers objects to handle the routes
 - Config .gitignore, .eslintrc.js, package.json, readme.md
- Will include Models later...

```
controllers/about.js
controllers/dashboard.js
utils/logger.js
.eslintrc.json
.gitignore
README.md
package.json
routes.js
server.js
```

Front-end





assets
 views/layouts/main.hbs
 views/partials/mainpanel.hbs
 views/partials/menu.hbs
 views/about.hbs

views/dashboard.hbs

- All written in HTML + handlebars
- Handlebars: Templating language
- Similar to EJS, it supports:
 - Layouts
 - Partials
 - Views
- These are very similar to EJS equivalents

Back-end + Front-end

```
回 assets
controllers/about.js
controllers/dashboard.js
utils/logger.js
views/layouts/main.hbs
views/partials/mainpanel.hbs
views/partials/menu.hbs
views/about.hbs
views/dashboard.hbs
.eslintrc.json
.gitignore
README.md
package.json
routes.js
server.js
```

- Building a new app:
 - Extend, modify, replace and create new routes + controllers
 - Rewrite handlebars templates to support new features, data and user experience.