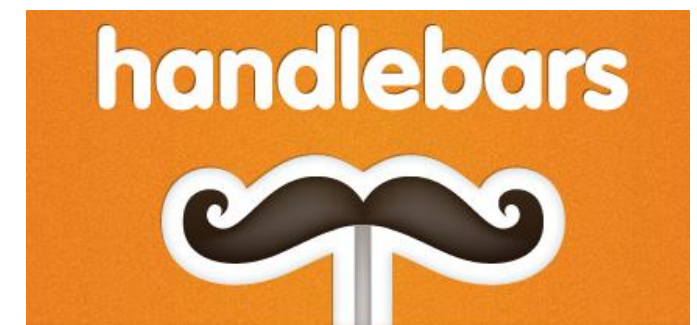
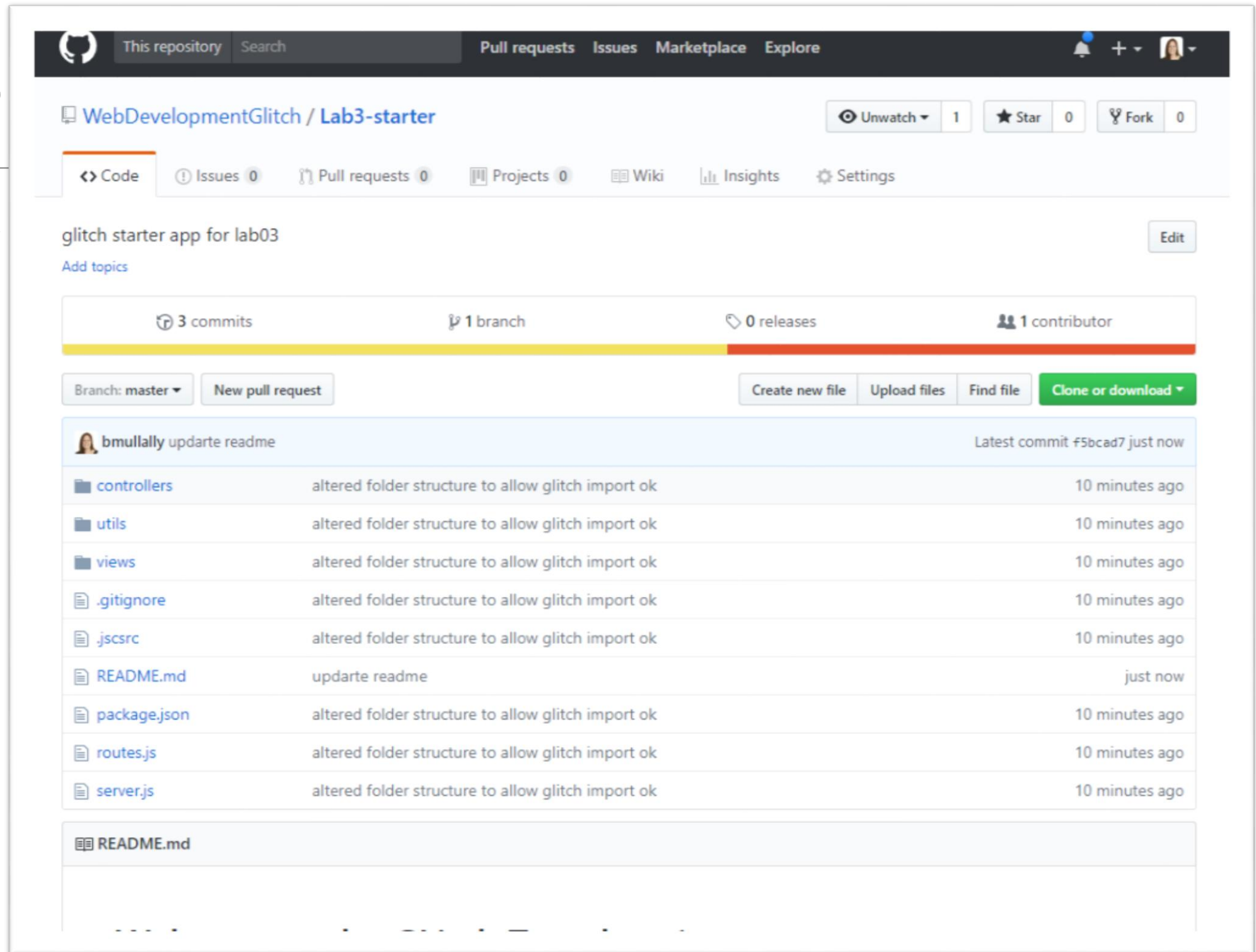


Web App Introduction



Starter App

- We will always start a new project by importing a template project from github.
- Lab3-starter is a 'boilerplate' project providing foundation components for a starter application.
- Extend/repurpose this project to build interesting applications.



Import from Github...

The screenshot shows a web browser window with the URL `https://glitch.com/edit/#!/recondite-euphonium?path=README.md:1:0`. The page title is `recondite-euphonium`. On the left sidebar, under **Advanced Options**, the project is marked as **public**. Below this are buttons for **Make Private**, **Open Console**, **Revoke repo access**, **Import from Github**, **Export to Github**, **Download Project**, and **Delete This Project**. The main content area displays a **Web** project description: "A star... This is an Express.js project, designed to work well with the Gornix development environment. It includes basic express setup, templating, routing and session support." An **Import from an existing GitHub Repo** dialog box is open in the foreground. The dialog contains the text: "glitch.com says: Import from an existing GitHub Repo. For best results repo size < 4MB, < 100 files, and no binary files. (NOTE: This will overwrite your current project)". A text input field contains the repository name `WebDevelopmentGlitch/Lab3-starter`. At the bottom of the dialog are **OK** and **Cancel** buttons.




Share



 Markdown

Logs

+ New File

 assets

controllers/about.js

controllers/dashboard.js

controllers/start.js

utils/logger.js

views/layouts/main.hbs


views/partials/mainpanel.hbs

views/partials/menu.hbs

views/about.hbs

views/dashboard.hbs

views/start.hbs

 .env

.gitignore

.jscsrc

README.md

package.json

routes.js

server.js

Welcome to the Gomix Template 1

A starter project for learning Gomix.

This is an Express.js project, designed to work well with the Gomix development environment. It includes basic express setup, templating, routing and session support.

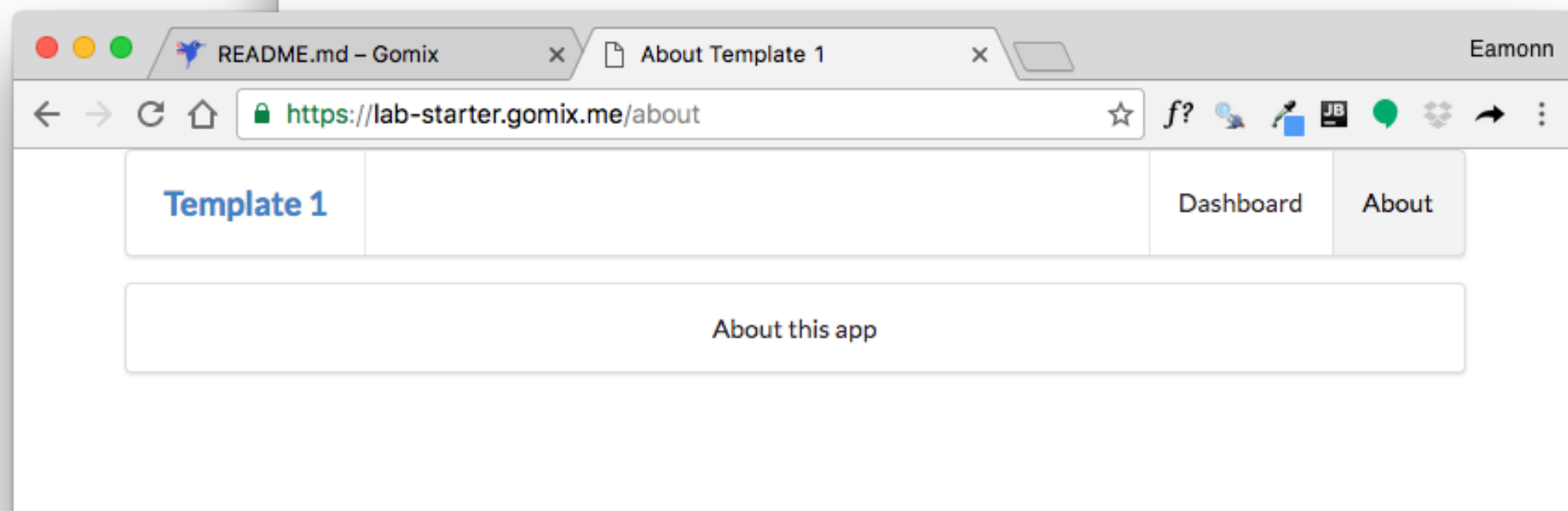
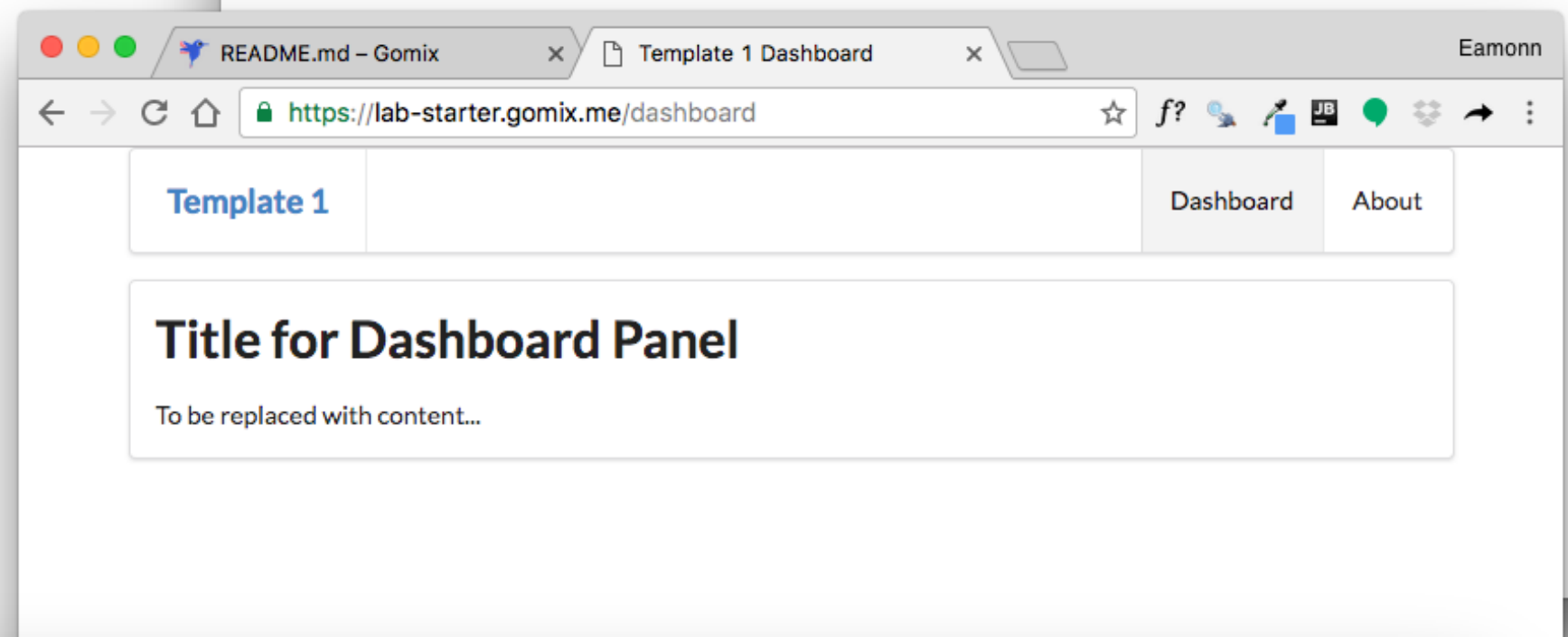
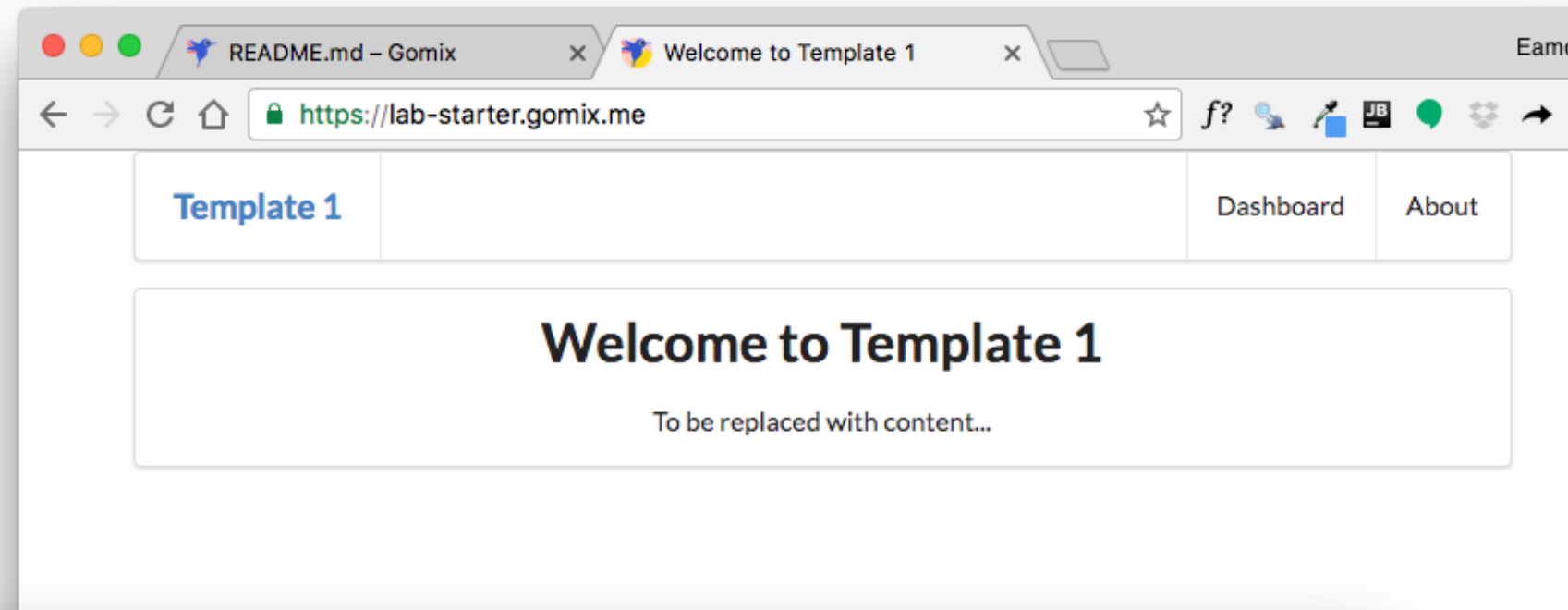
Activity Log

Clear 

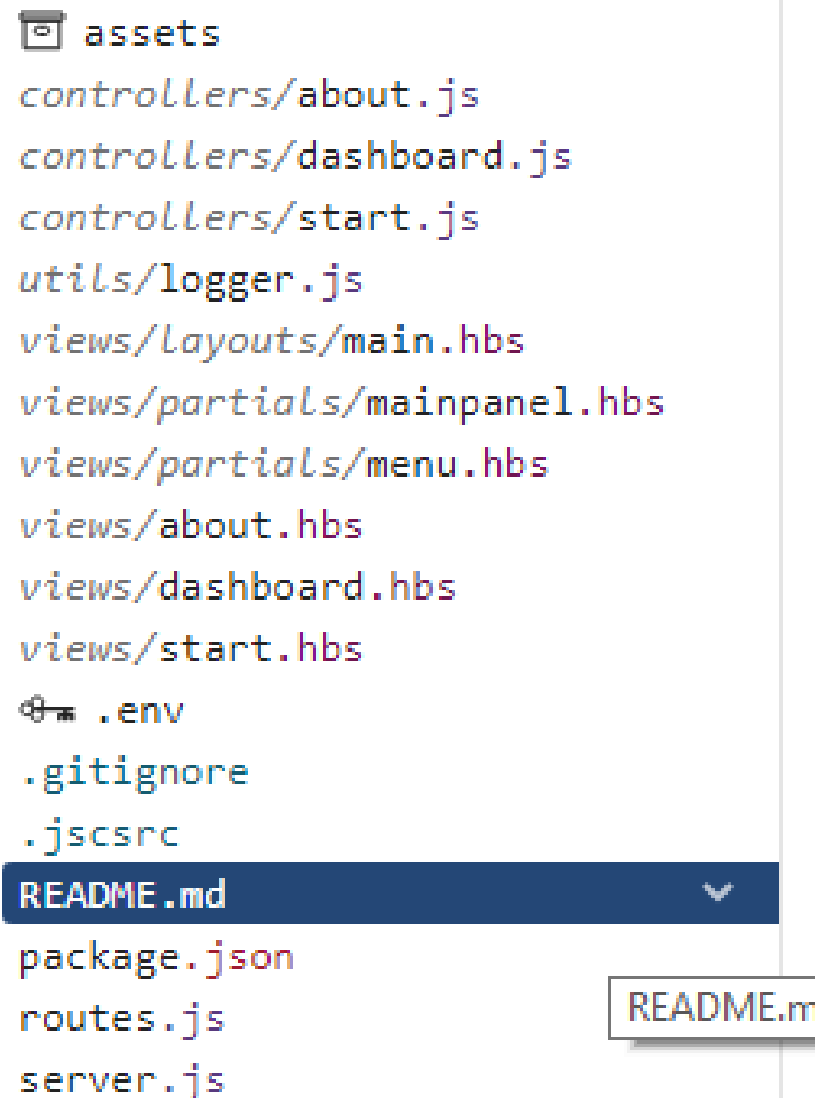
```
| winston@2.4.0 2:29 PM
├─ async@1.0.0 2:29 PM
├─ colors@1.0.3 2:29 PM
├─ cycle@1.0.3 2:29 PM
├─ eyes@0.1.8 2:29 PM
├─ isstream@0.1.2 2:29 PM
└─ stack-trace@0.0.10 2:29 PM
npm WARN gomix-list@0.0.1 No license field. 2:29 PM
```

- The starter app has a menu + 3 'Views':

- Start
- Dashboard
- About



Application Structure

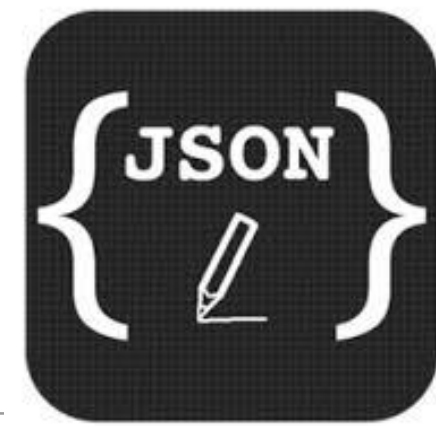


A screenshot of a file explorer interface showing the application structure. The files are listed in a monospaced font with syntax highlighting. The 'README.md' file is highlighted with a dark blue background. A small tooltip labeled 'README.m' is visible next to the highlighted file. The structure includes an 'assets' folder, a 'controllers' directory with 'about.js', 'dashboard.js', and 'start.js', a 'utils' directory with 'logger.js', and a 'views' directory containing 'layouts/main.hbs', 'partials/mainpanel.hbs', 'partials/menu.hbs', 'about.hbs', 'dashboard.hbs', and 'start.hbs'. At the root level, there are files for '.env', '.gitignore', '.jscsrc', 'package.json', 'routes.js', and 'server.js'.

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

- App implements Routes + Model/View/Controller Architecture
- Back-end + Front-end collaborate to support structured, predictable application workflow

Back-end

A yellow square containing the letters 'JS' in a bold, black, sans-serif font.

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

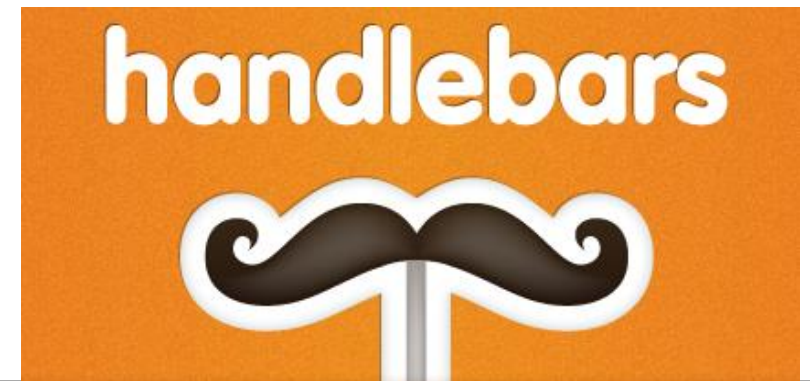
```
controllers/about.js  
controllers/dashboard.js  
controllers/start.js
```

```
🔑 .env  
.gitignore  
.jscsrc
```

```
README.md
```

```
package.json  
routes.js  
server.js
```

Front-end

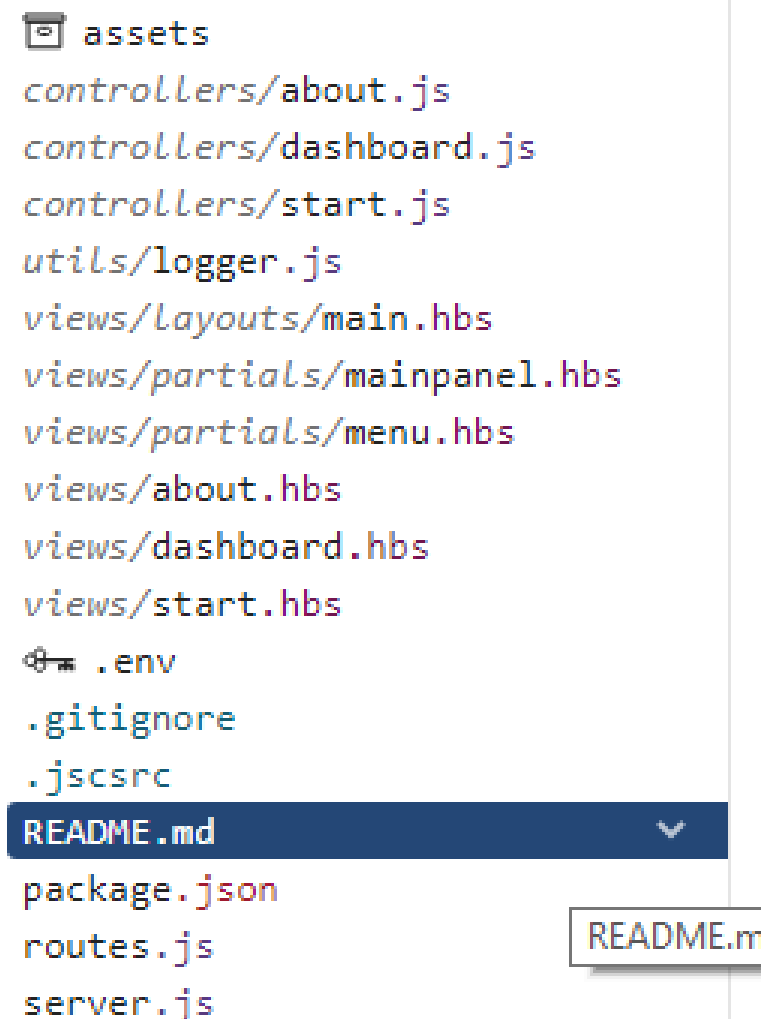


assets

```
views/layouts/main.hbs  
views/partials/mainpanel.hbs  
views/partials/menu.hbs  
views/about.hbs  
views/dashboard.hbs  
views/start.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



A screenshot of a file explorer interface showing a project structure. The files are listed in a monospaced font with syntax highlighting. The 'README.md' file is highlighted with a dark blue background. A small tooltip labeled 'README.m' is visible next to the highlighted file. The file list includes:

- assets
- controllers/about.js
- controllers/dashboard.js
- controllers/start.js
- utils/logger.js
- views/layouts/main.hbs
- views/partials/mainpanel.hbs
- views/partials/menu.hbs
- views/about.hbs
- views/dashboard.hbs
- views/start.hbs
- .env
- .gitignore
- .jscsrc
- 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.