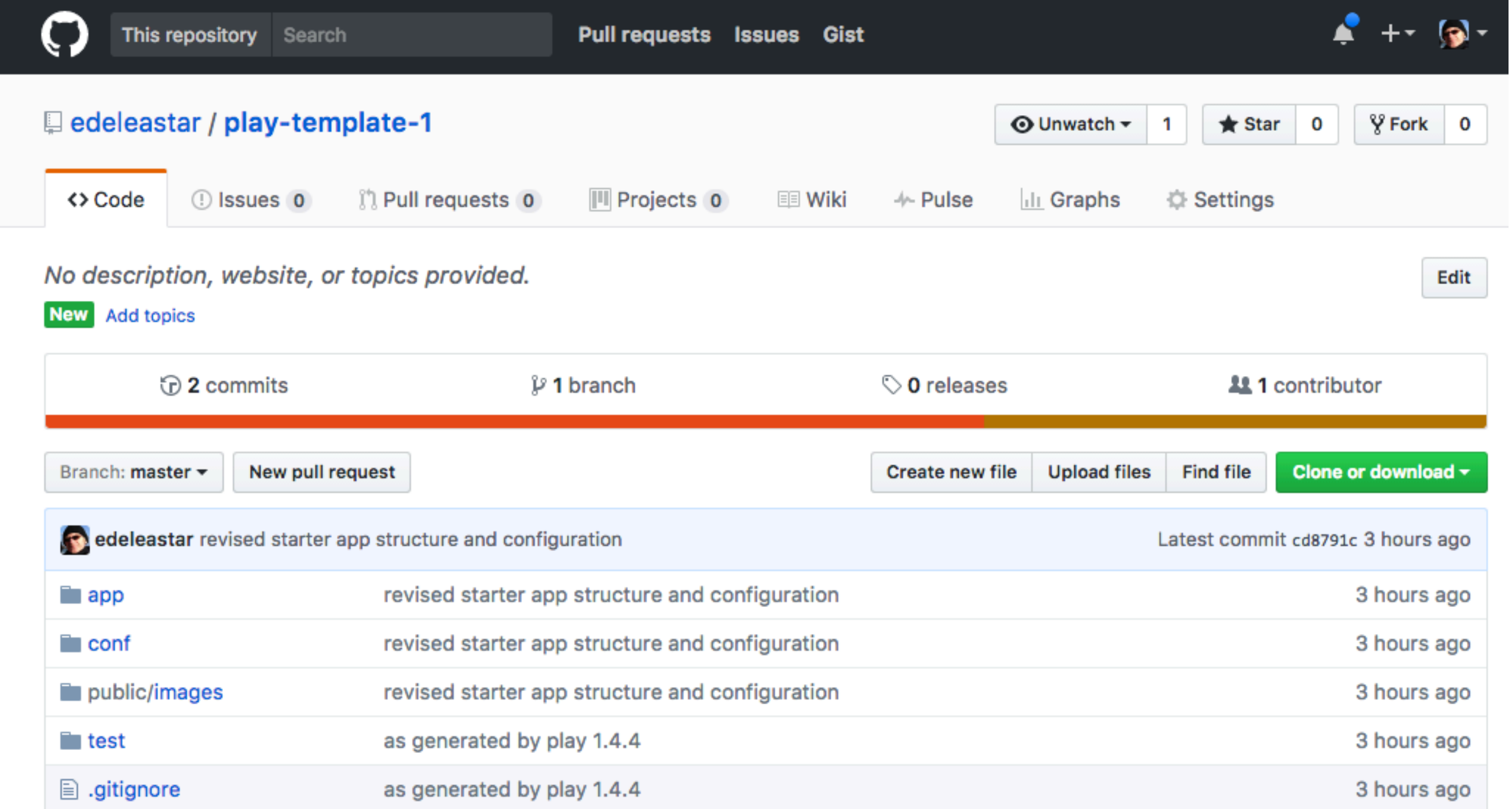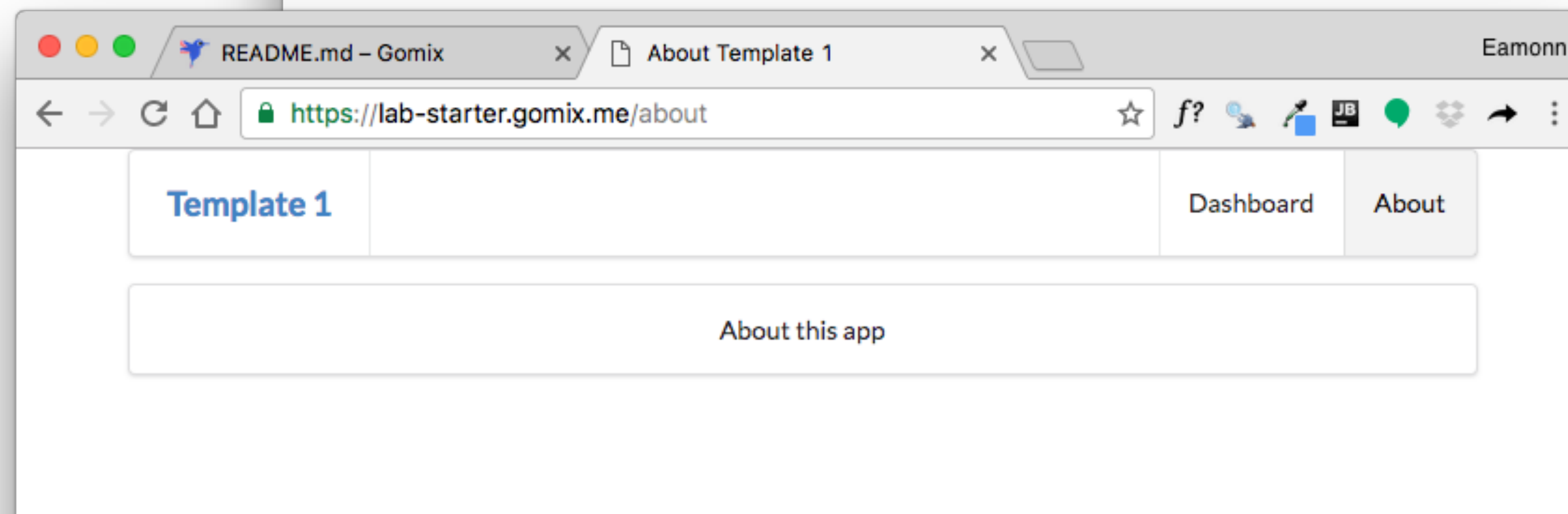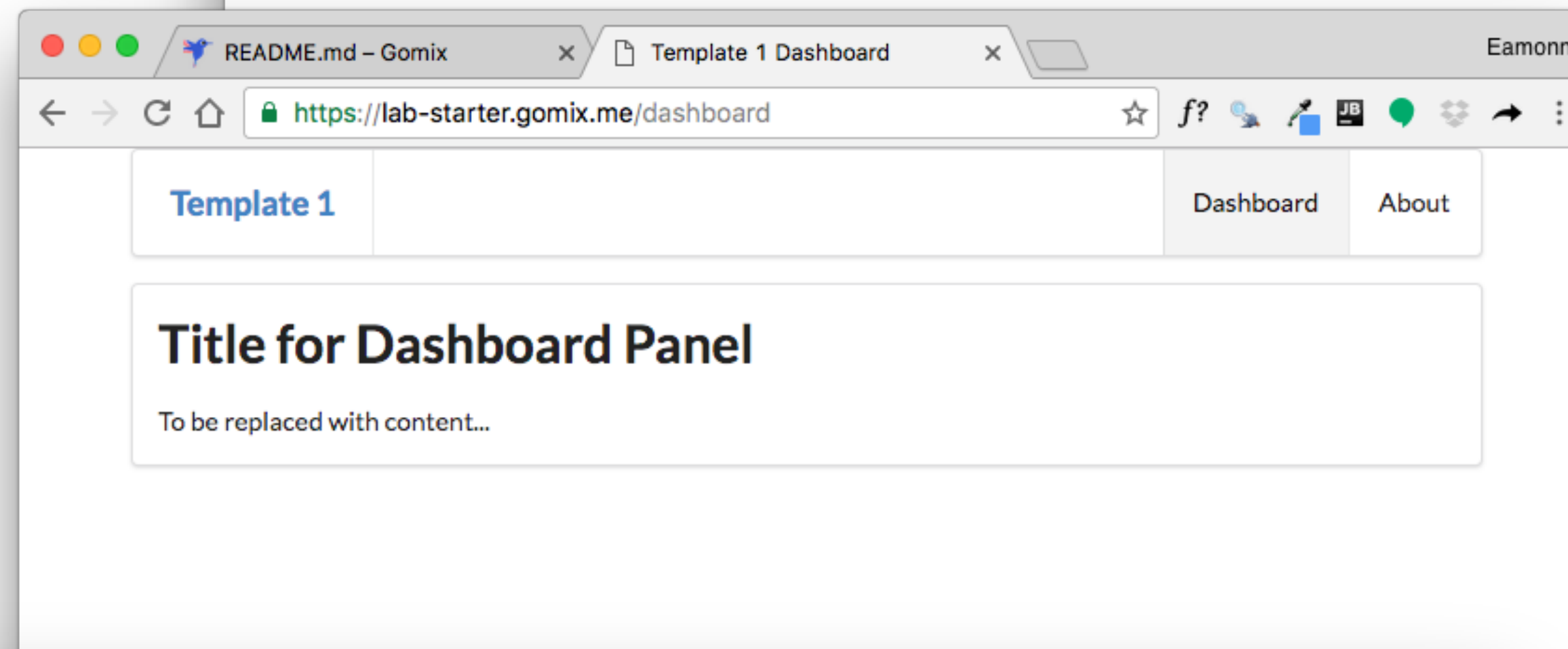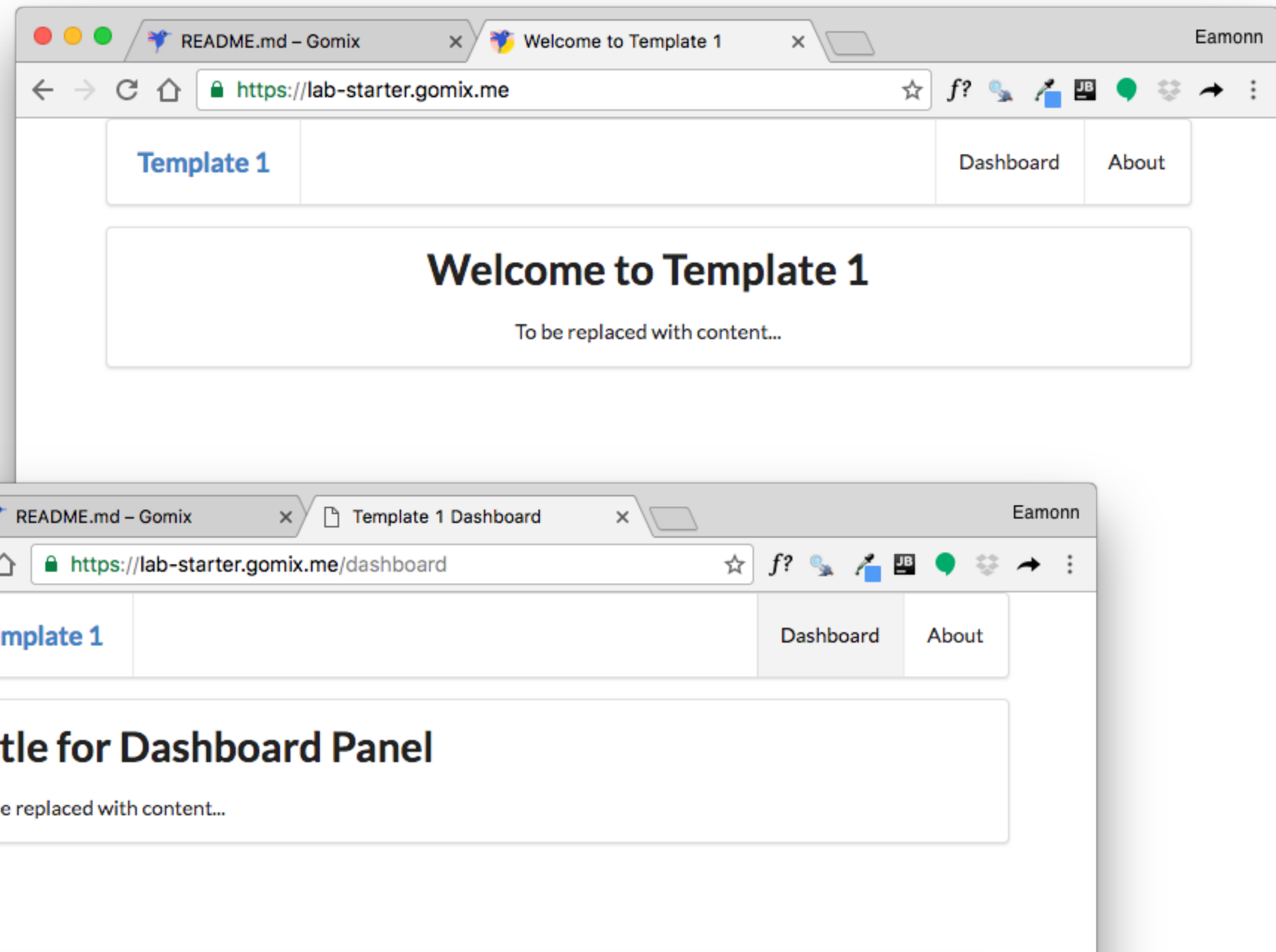# Web App Introduction

Starter App

- We will always start a new project by importing a template project from github.

- play-template-1 is a 'boilerplate' project providing foundation components for a starter application.

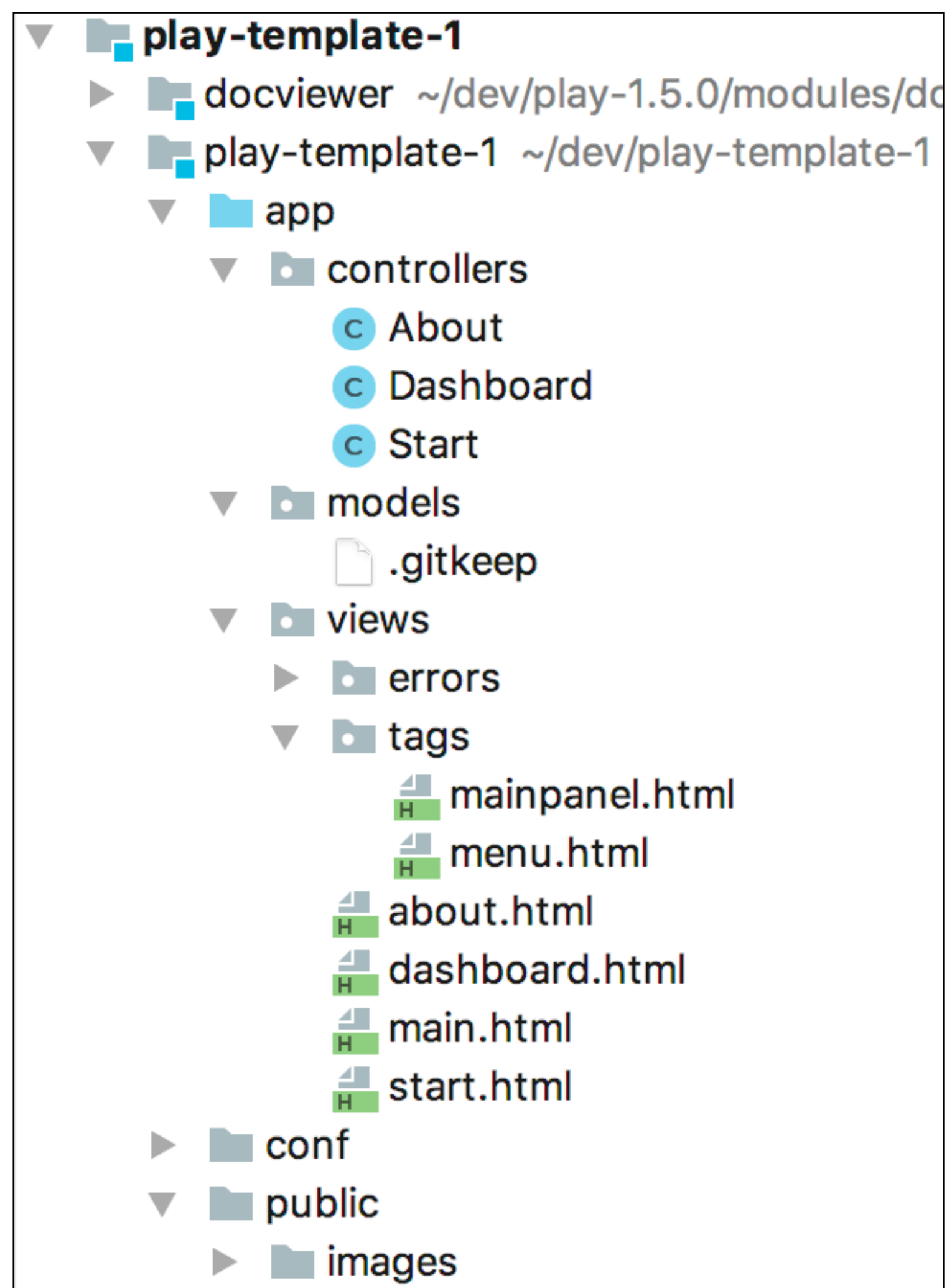- Extend/repurpose this project to build interesting applications.

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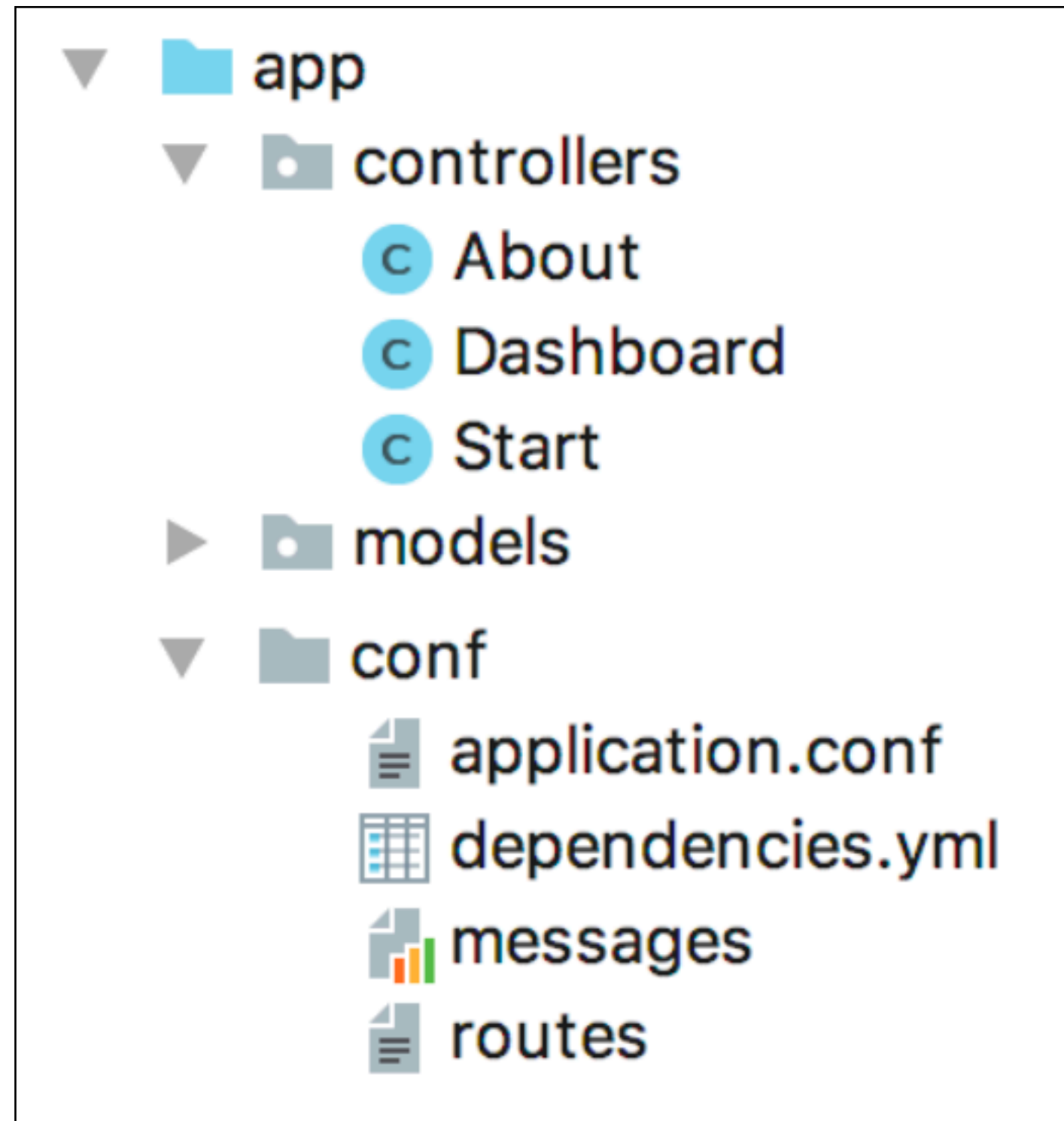
  - Start

  - Dashboard

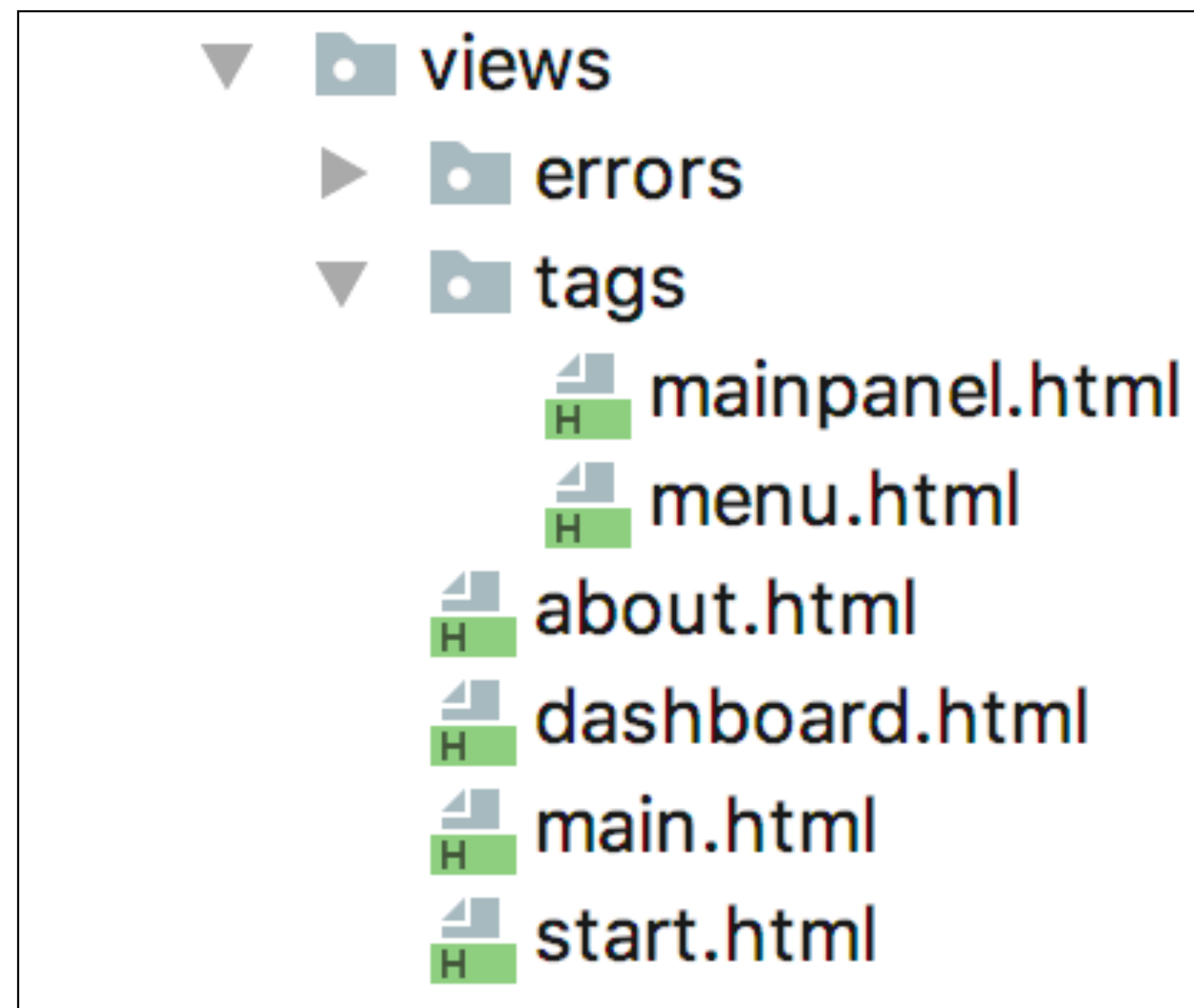 - About

Application Structure

- App implements Routes + Model/View/Controller Architecture

- Back-end + Front-end collaborate to support structured, predictable application workflow

Back-end

```
▼ 📁 app
  ▼ 📁 controllers
      ⓒ About
      ⓒ Dashboard
      ⓒ Start
  ▶ 📁 models
  ▼ 📁 conf
      📄 application.conf
      📊 dependencies.yml
      📊 messages
      📄 routes
```

- All written in Java

- Consists of:

  - **Server** - main entry point

  - **Routes** - supported urls

  - **Controllers** - objects to handle the routes

  - **Config** - system wide config of application
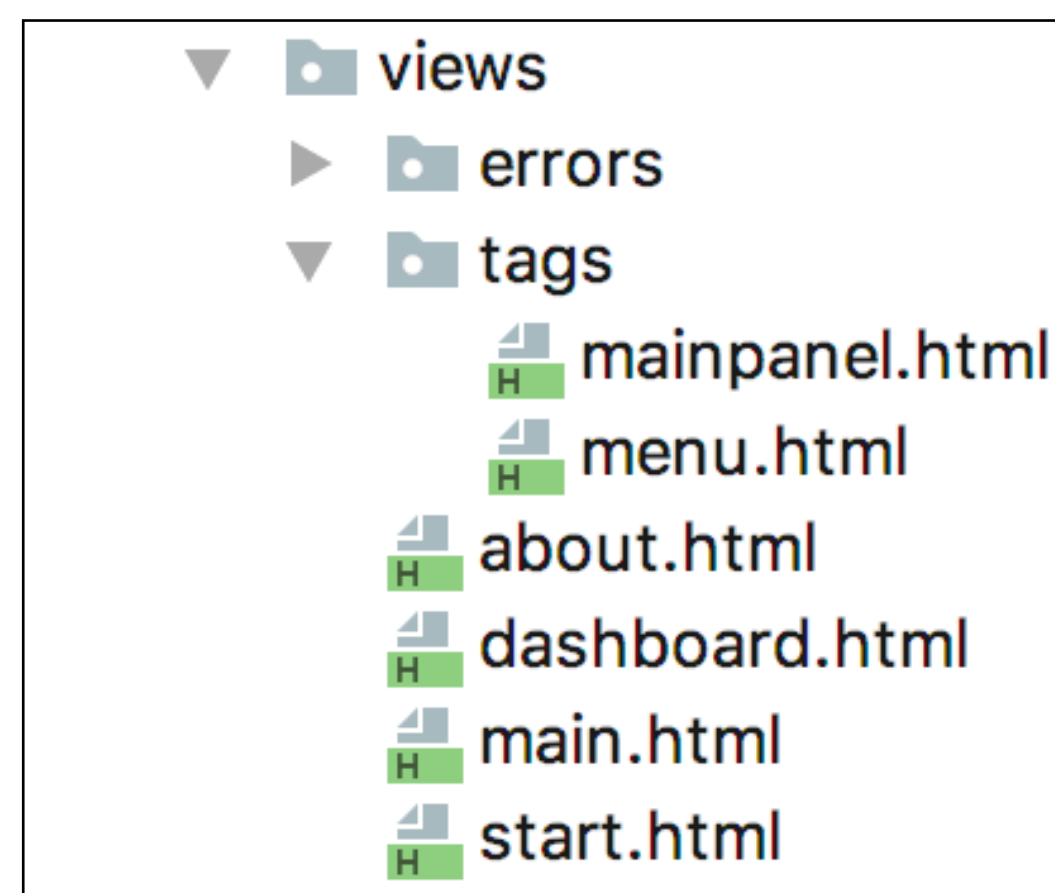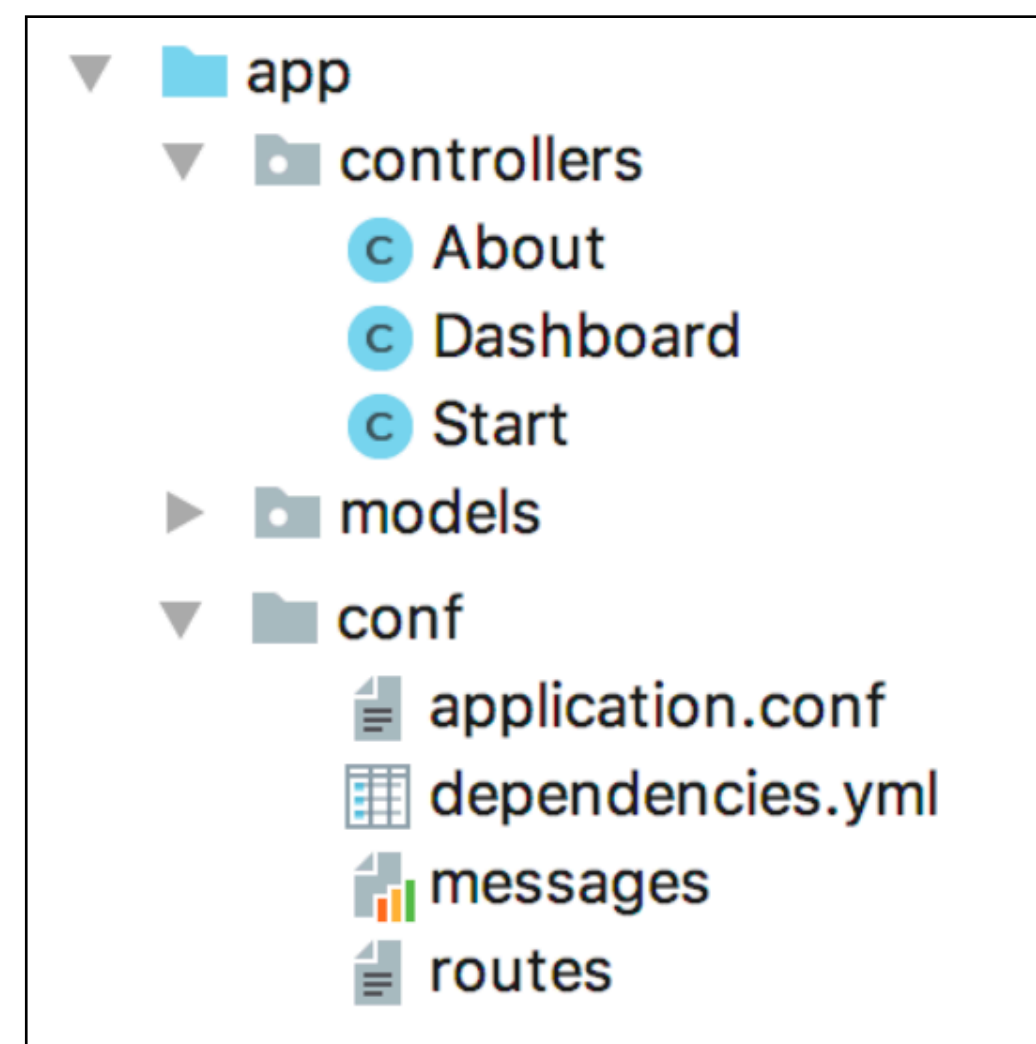
- Will include **Models** later…

Front-end

```
▼ 📁 views
  ▶ 📁 errors
  ▼ 📁 tags
      📄 mainpanel.html
      📄 menu.html
  📄 about.html
  📄 dashboard.html
  📄 main.html
  📄 start.html
```

• All written in HTML + templating

• Templating language supports:

  • **Layouts**

  • **Partials**

  • **Views**

• These are similar to EJS equivalents

Back-end + Front-end

- To build a new app:

- Extend, modify, replace and create new routes + controllers

- Rewrite templates to support new features, data and user experience.

=