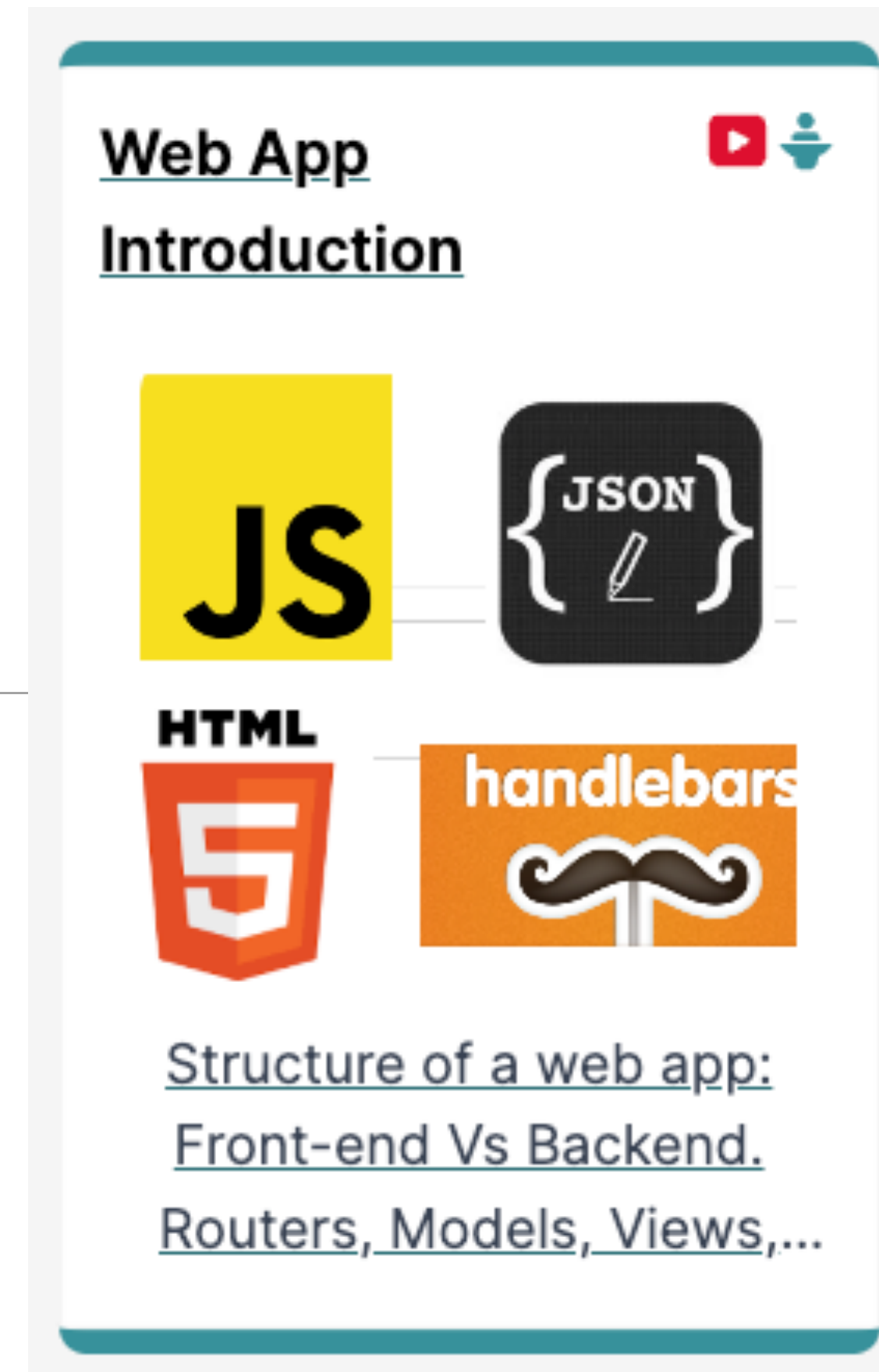
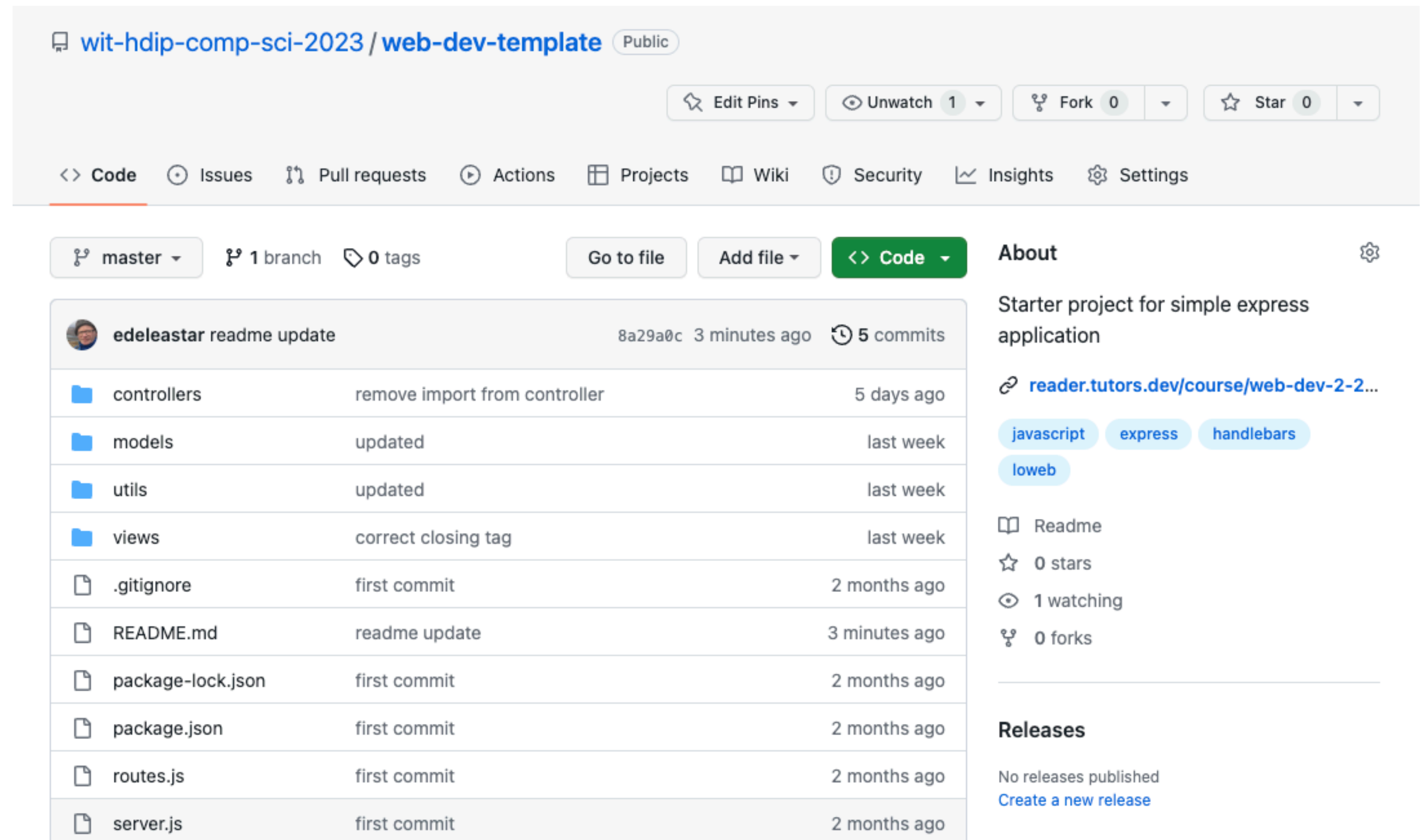


Web App Introduction



Starter App

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



<https://github.com/wit-hdip-comp-sci-2023/web-dev-template>

Import from Github...

menu.hbs – shy-eastern-radiu

Your Projects

wit-hdip-comp-sci-2023/web-

glitch.com/dashboard?group=owned&sortColumn=boost&sortDirection=DESC&page=1&showAll=false&filterDomain=

Glitch

Dashboard

New project

glitch.com says

Paste the full URL of your repository

https://github.com/wit-hdip-comp-sci-2023/web-dev-template

CancelOK

Manage your projects

You have 1,000 active hours per month for all of your projects. [Learn more](#) →

Project Hours ⓘ

0% | 2/1000 hours/month

Projects you no longer own

Become a Glitch

Upgrade your ac

Unlimited hours

five projects.

Upgrade

Starter apps

Find More

glitch-hello-website

Your very own basic web page, ready for you to customize.

glitch-hello-node

A simple Node app built with Fastify, instantly up and running.

glitch-hello-react

Get started with a new React project on Glitch!

glitch-hello-eleventy

Build a new Eleventy blog on Glitch!

glitch-hello-sqlite

Use a persistent SQLite database with your Node.js app.

Import from GitHub

Projects

You own

You're a member

Archived

Project name

Boosted

Project

🌐

todo-list-3-2023

This project is a base for importing git repos – if this is your project you can upd...

OFF

1

🌐

donation-service

This project is a base for importing git repos – if this is your project you can upd...

OFF

2

Mar 9, 2023

🌐

todo-list-2-2023

This project is a base for importing git repos – if this is your project you can upd...

OFF

0

Feb 28, 2023

New

3

Glitch

README.md

RemixShare

aware-aerial-anchovy

SettingsAssetsFiles

> controllers/

> models/

> utils/

> views/

.env

.gitignore

README.md

package.json

routes.js

server.js

README.md

EDIT MARKDOWN

Web Development Template

A starter project for learning web development

This is an Express.js project, designed to work well with the Glitch development environment. It includes basic express setup, handlebars templating, routing, + lowdb database.

This template is prepared in support of [Web Development II](#) module in the [Higher Diploma in Computing](#) at [SETU](#), Ireland.

aware-aerial-anchovy.glitch.me/

Template Application 1.0

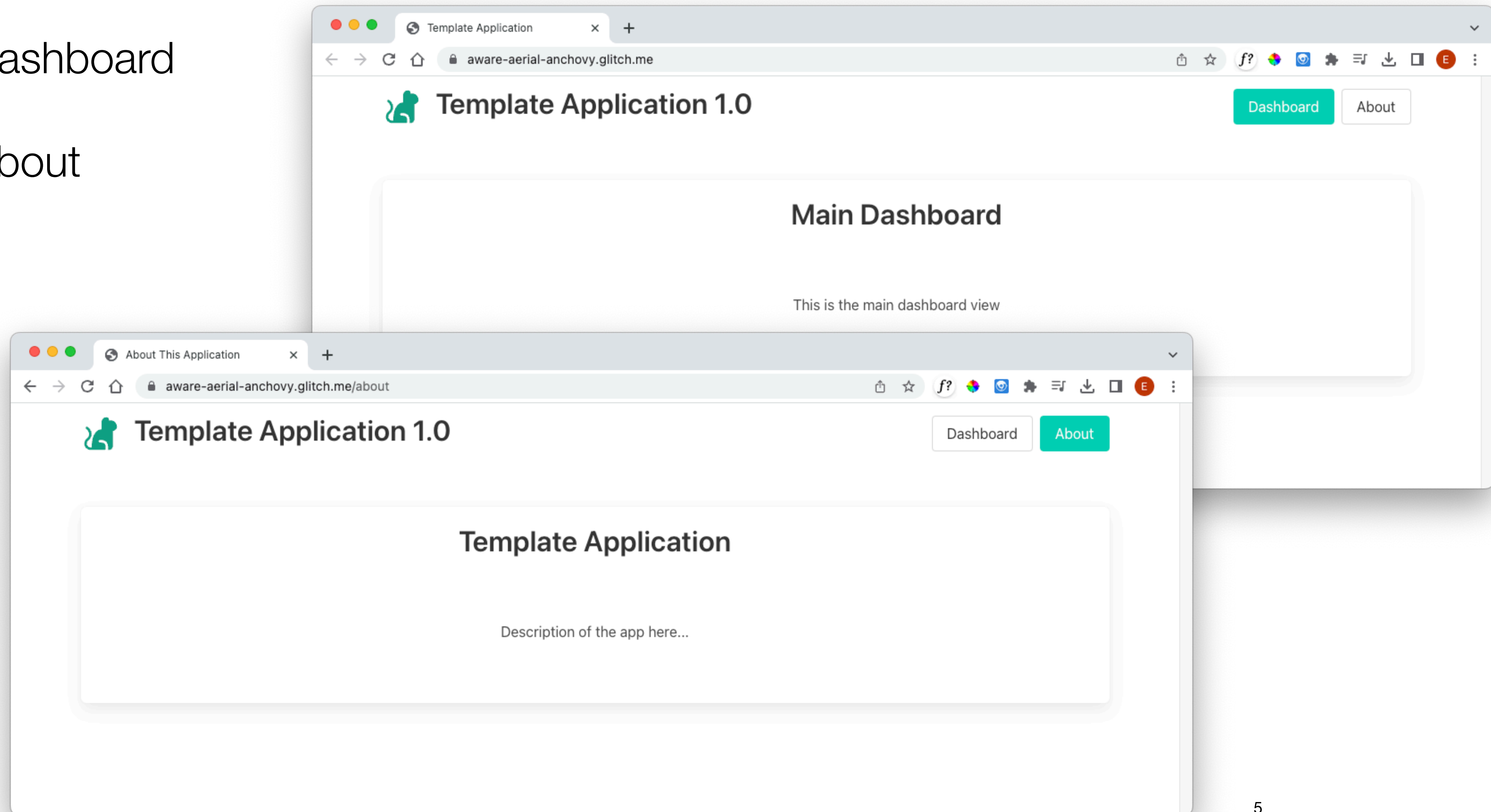
Main Dashboard

This is the main dashboard view

New

STATUSLOGSTERMINALTOOLSPREVIEW

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

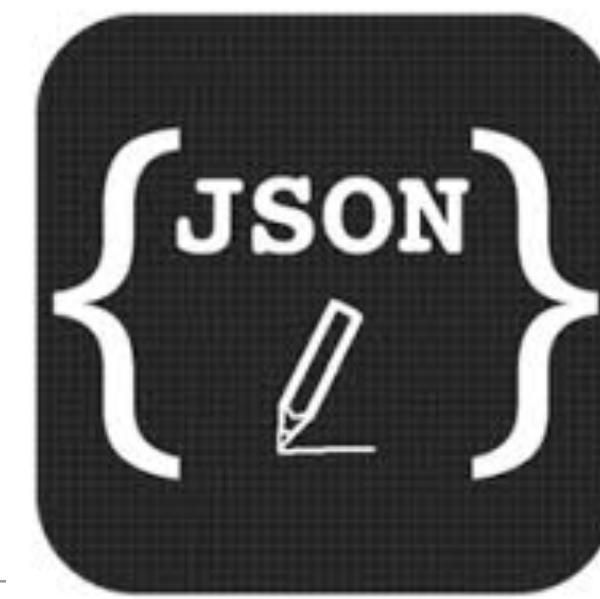


Application Structure

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

```
▼ controllers/  
  about-controller.js  
  dashboard-controller.js  
▼ models/  
  object-store.js  
▼ utils/  
  store-utils.js  
▼ views/  
  ▼ layouts/  
    main.hbs  
  ▼ partials/  
    brand.hbs  
    menu.hbs  
    about-view.hbs  
    dashboard-view.hbs  
.env ✎  
.gitignore  
README.md  
package.json  
routes.js  
server.js
```

Back-end

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

```
▼ controllers/  
  about-controller.js  
  dashboard-controller.js  
▼ models/  
  object-store.js  
▼ utils/  
  store-utils.js  
package.json  
routes.js  
server.js
```


- All written in Javascript + JSON
- Consists of:
 - **Server** - main entry point
 - **Routes** - supported urls
 - **Controllers** - objects to handle the routes
 - **Models** - Core information models represented by the application
 - **Config** - package.json

Front-end



```
▼ views/  
  ▼ layouts/  
    main.hbs  
  ▼ partials/  
    brand.hbs  
    menu.hbs  
    about-view.hbs  
    dashboard-view.hbs
```

- All written in HTML + handlebars
- Handlebars: Templating language
- Supports:
 - **Layouts**
 - **Partials**
 - **Views**


```
▼ controllers/  
  about-controller.js  
  dashboard-controller.js  
▼ models/  
  object-store.js  
▼ utils/  
  store-utils.js  
▼ views/  
  ▼ layouts/  
    main.hbs  
  ▼ partials/  
    brand.hbs  
    menu.hbs  
    about-view.hbs  
    dashboard-view.hbs  
.env   
.gitignore  
README.md  
package.json  
routes.js  
server.js
```

Back-end + Front-end

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

Web App Introduction

