## What is the main.hbs file & why it is in the layouts folder?

* main.hbs is the main handlebars template file. It is typically located in the layouts folder because it serves as the layout template that other templates will be injected into. The other handlebars templates, such as ones for specific pages or components, are typically included within main.hbs using the handlebars {{{body}}} helper.

## How would you use the main.hbs file with a template?

### This is the main.hbs file:

**<!**DOCTYPE html**>**

**<**html**>**

**<**head**>**

**<**title**>**My Website**</**title**>**

**</**head**>**

**<**body**>**

**<**header**>**

**<**nav**>**

**<**a href**=**"/"**>**Home**</**a**>**

**<**a href**=**"/about"**>**About**</**a**>**

**<**a href**=**"/contact"**>**Contact**</**a**>**

**</**nav**>**

**</**header**>**

**{{{**body**}}}**

**<**footer**>**

Copyright © **{{**year**}}**

**</**footer**>**

**</**body**>**

**</**html**>**

In this example, {{{body}}} is where the other templates are included.

### For example, let's say we have a template called home.hbs that looks like this:

**<**div **class=**"home-page"**>**

**<**h1**>**Welcome to my website**!</**h1**>**

**<**p**>**Here you can find information about me **and** my projects**.</**p**>**

**</**div**>**

### When the server renders the home.hbs template, it will be injected into the {{{body}}} section of main.hbs, resulting in the following HTML being sent to the client:

**<!**DOCTYPE html**>**

**<**html**>**

**<**head**>**

**<**title**>**My Website**</**title**>**

**</**head**>**

**<**body**>**

**<**header**>**

**<**nav**>**

**<**a href**=**"/"**>**Home**</**a**>**

**<**a href**=**"/about"**>**About**</**a**>**

**<**a href**=**"/contact"**>**Contact**</**a**>**

**</**nav**>**

**</**header**>**

**<**div **class=**"home-page"**>**

**<**h1**>**Welcome to my website**!</**h1**>**

**<**p**>**Here you can find information about me **and** my projects**.</**p**>**

**</**div**>**

**<**footer**>**

Copyright © **{{**year**}}**

**</**footer**>**

**</**body**>**

**</**html**>**

## How would this work with multiple templates?

When you have multiple templates, you can use the same main.hbs layout template for all of them by including the {{{body}}} helper in the appropriate location, and then rendering the appropriate template in the route handler function of the server.js file.

### For example, let's say you have two additional templates called about.hbs and contact.hbs, in addition to home.hbs from the previous example. The about.hbs template might look like this:

**<**div **class=**"about-page"**>**

**<**h1**>**About Me**</**h1**>**

**<**p**>**I am a software developer **with** experience **in** various programming languages **and** frameworks**.</**p**>**

**</**div**>**

### And the contact.hbs template might look like this:

**<**div **class=**"contact-page"**>**

**<**h1**>**Contact Me**</**h1**>**

**<**p**>**You can reach me at **<**a href**=**"mailto:example@email.com"**>**example**@**email**.**com**</**a**>.</**p**>**

**</**div**>**

In the server.js file, you would have route handler functions for each of the routes, such as '/', '/about', and '/contact', that render the appropriate template using the res.render() function, passing in the name of the template as the first argument.

### For example, the handler function for the '/about' route might look like this:

app**.**get**(**'/about'**,** **(**req**,** res**)** **=>** **{**

res**.**render**(**'about'**);**

**});**

### When a client makes a request to the '/about' route, the server will render the about.hbs template and inject it into the {{{body}}} section of main.hbs, resulting in the following HTML being sent to the client:

**<!**DOCTYPE html**>**

**<**html**>**

**<**head**>**

**<**title**>**My Website**</**title**>**

**</**head**>**

**<**body**>**

**<**header**>**

**<**nav**>**

**<**a href**=**"/"**>**Home**</**a**>**

**<**a href**=**"/about"**>**About**</**a**>**

**<**a href**=**"/contact"**>**Contact**</**a**>**

**</**nav**>**

**</**header**>**

**<**div **class=**"about-page"**>**

**<**h1**>**About Me**</**h1**>**

**<**p**>**I am a software developer **with** experience **in** various programming languages **and** frameworks**.</**p**>**

**</**div**>**

**<**footer**>**

Copyright © **{{**year**}}**

**</**footer**>**

**</**body**>**

**</**html**>**

### Similarly, when a client makes a request to the '/contact' route, the server will render the contact.hbs template and inject it into the {{{body}}} section of main.hbs.

## REFERENCES:

1. <https://developers.google.com/maps/documentation/places/web-service/search-text>