Quick Note About Phoenix

Section 7, Lecture 50

Quick Note: all of the content following from here is using Phoenix 1.2, which is the most up to date release of Phoenix. Version 1.3 is expected to come out in December. When it does, I will be rewriting this entire Phoenix app to follow the 1.3 release.

What this means for you:

- All the knowledge you'll pick up is still 100% relevant. The biggest breaking change is that the locations of some files are changing. This is not an issue at all for *you*, but it is an issue for the course, because my videos constantly refer to specific directories :)
- A week before I release the updated 1.3 videos, I'll send out an announcement to let you know that an update is coming. If you chose to finish up everything this section has (about 75% of the finished app), I will provide a 1.3-compatible version of the project that you can continue working on

Chrome File Edit View History Bookmarks People Window Help

Fri 3:05 PM

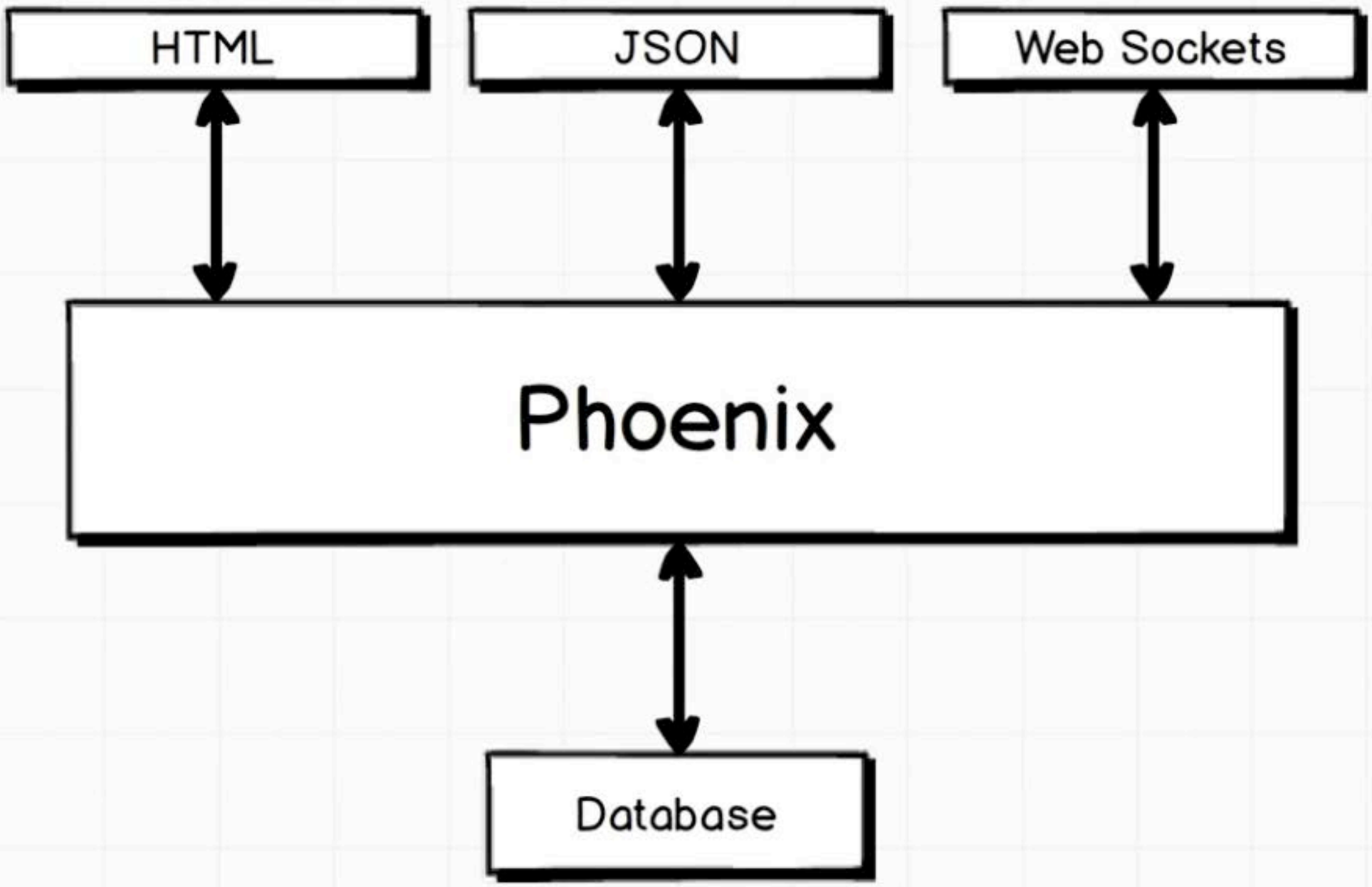
New Tab

Stephen

https://www.google.com/search?q=phoenix+framework&oq=phoenix+framework&aqs=chrome..69i57j0j69i60l3j0.1813j0j7&sourceid=chrome&ie=UT...

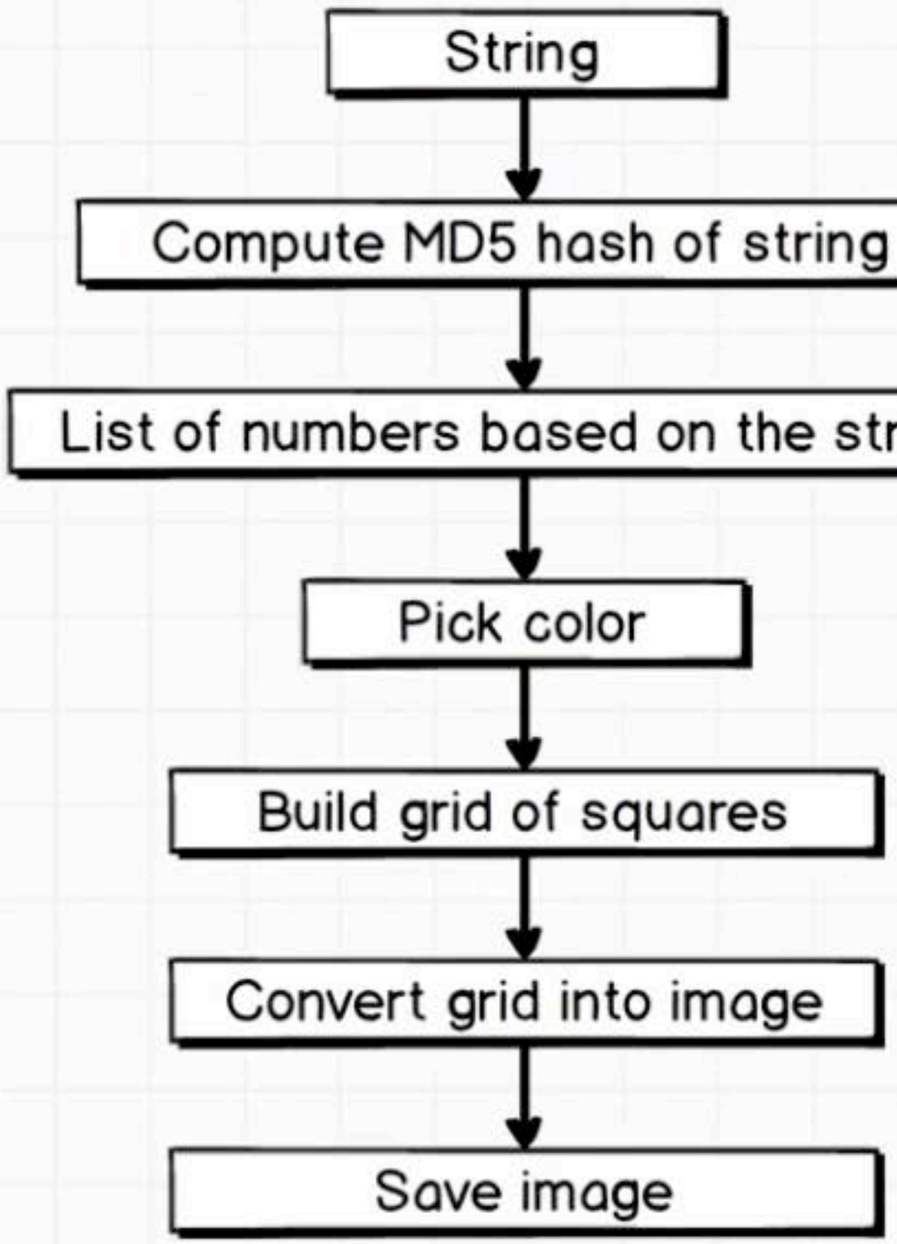
Apps | Good Copy • Email... | Ecto · Elixir School | Posting a Photo to I... | hotJS - It's Kinda Li... | Motion AI - Chatbot... | "It's 106 miles to C... | Quantopian Commu... | Postman

Balsamiq Mockups 3 Project Edit View Window Help
Fri 3:18 PM
03 - phoenix purpose - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add

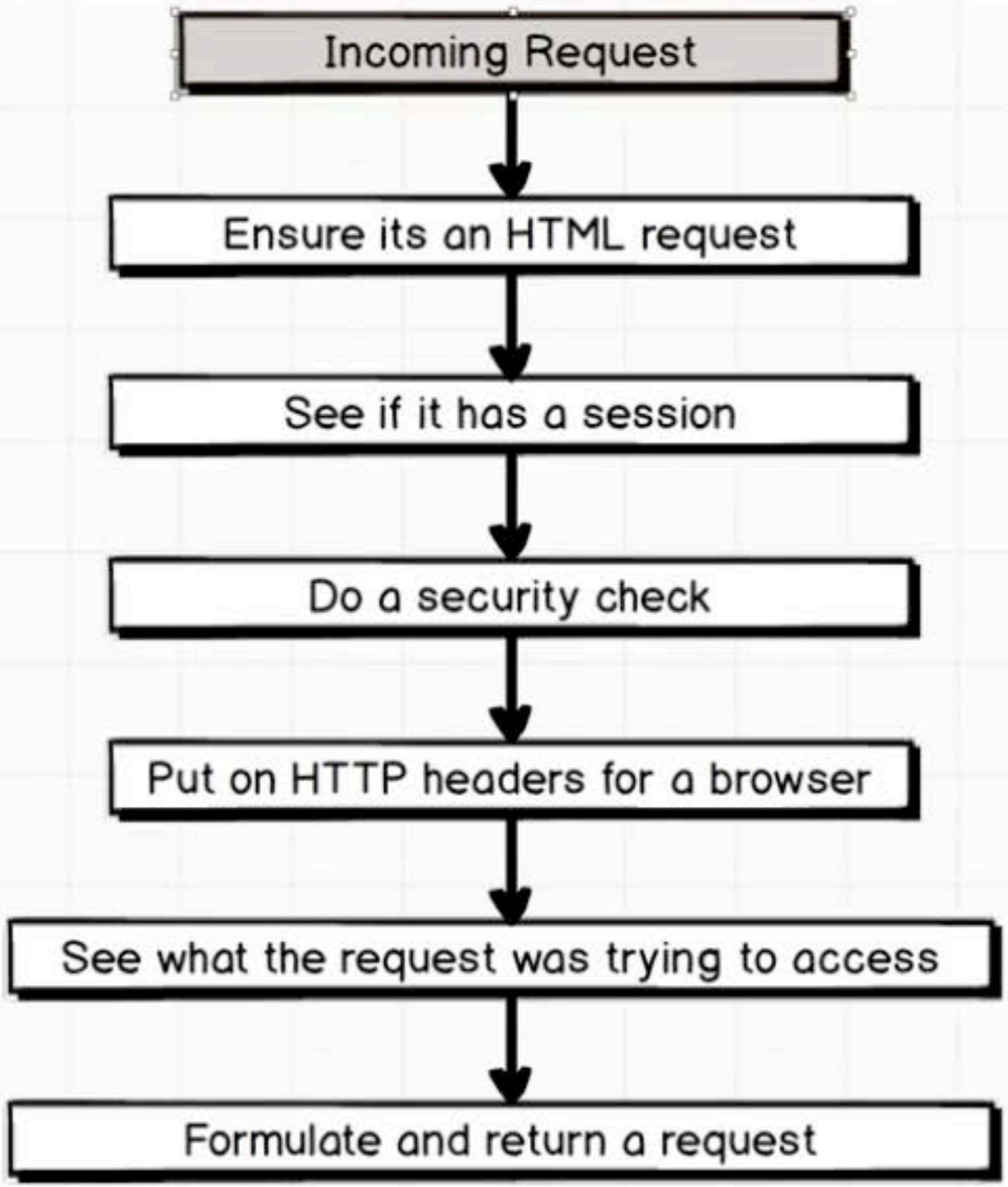


double-click to edit

Balsamiq Mockups 3 Project Edit View Window Help
Fri 3:21 PM
03 - phoenix process related to identicon - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add



Balsamiq Mockups 3 Project Edit View Window Help
Fri 3:22 PM
03 - phoenix process - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add



double-click, ENTER or F2 to edit

```
→  prod git:(072-app-overview) mix phoenix.new discuss
```

Edit View Profiles Toolbelt Window Help
Fri 3:26 PM
Go to Dashbo


```
* creating discuss/web/static/js/app.js
* creating discuss/web/static/js/socket.js
* creating discuss/web/static/assets/robots.txt
* creating discuss/web/static/assets/images/phoenix.png
* creating discuss/web/static/assets/favicon.ico
* creating discuss/test/controllers/page_controller_test.exs
* creating discuss/test/views/layout_view_test.exs
* creating discuss/test/views/page_view_test.exs
* creating discuss/web/controllers/page_controller.ex
* creating discuss/web/templates/layout/app.html.eex
* creating discuss/web/templates/page/index.html.eex
* creating discuss/web/views/layout_view.ex
* creating discuss/web/views/page_view.ex

Fetch and install dependencies? [Yn]
```

Balsamiq Mockups 3 Project Edit View Window Help
Fri 3:27 PM
03 - mockup - elixir - [.../Google Drive/Mocks/elixir.bmpr]

elixir

Quick Add

List of Topics

A Web Page

http://

Sign in With Github

Topics For Discussion

JS Frameworks

Elixir Lang Edit Delete

Postgres in Production?

Create a Topic

A Web Page

http://

Sign Out

JS Frameworks

Create Post

Edit a Topic

A Web Page

http://

Sign Out

JS Frameworks

Edit Post

Showing a Topic with Comments

A Web Page

http://

Sign Out

JS Topics

A comment

Submit

Here are my thoughts on this topic.

I, too, have an expert opinion!!!

```
→  prod git:(072-app-overview)
```

iTerm2 Shell Edit View Profiles Toolbelt Window Help Fri 3:37 PM
1. stephengrider@stephens-MacBook-Pro: ~/workspace/ElixirWorkspace/prod/discuss (zsh)

```
→  prod git:(072-app-overview) ls
cards      discuss    identicon
→  prod git:(072-app-overview) cd discuss
→  discuss git:(072-app-overview) ls
README.md          lib                priv
_build             mix.exs            test
brunch-config.js   mix.lock           web
config             node_modules
deps               package.json
→  discuss git:(072-app-overview)
```

Term 2 Shell Edit View Profiles Toolbelt Window Help
Fri 3:38 PM
Go to Dashbo


```
→  prod git:(072-app-overview) ls
cards     discuss   identicon
→  prod git:(072-app-overview) cd discuss
→  discuss git:(072-app-overview) ls
README.md          lib                priv
_build             mix.exs            test
brunch-config.js   mix.lock           web
config             node_modules
deps               package.json
→  discuss git:(072-app-overview) mix ecto.create
```

```
** (Mix) The database for Discuss.Repo couldn't be created:
FATAL (invalid_authorization_specification): role "postgres"
 does not exist

15:38:17.782 [error] GenServer #PID<0.172.0> terminating
** (Postgrex.Error) FATAL (invalid_authorization_specificati
on): role "postgres" does not exist
    (db_connection) lib/db_connection/connection.ex:148: DBC
onnection.Connection.connect/2
    (connection) lib/connection.ex:622: Connection.enter_con
nect/5
    (stdlib) proc_lib.erl:247: :proc_lib.init_p_do_apply/3
Last message: nil
State: Postgrex.Protocol
➜  discuss git:(072-app-overview)
```

iTerm2 Shell Edit View Profiles Toolbelt Window Help Fri 3:40 PM


```
    (db_connection) lib/db_connection/connection.ex:148: DBC
onnection.Connection.connect/2
    (connection) lib/connection.ex:622: Connection.enter_con
nect/5
    (stdlib) proc_lib.erl:247: :proc_lib.init_p_do_apply/3
Last message: nil
State: Postgrex.Protocol
→  discuss git:(072-app-overview) atom .
→  discuss git:(072-app-overview) whoami
stephengrider
→  discuss git:(072-app-overview) mix ecto.create
Compiling 12 files (.ex)
Generated discuss app
The database for Discuss.Repo has already been created
→  discuss git:(072-app-overview) x
```

```
    (db_connection) lib/db_connection/connection.ex:148: DBC
onnection.Connection.connect/2
    (connection) lib/connection.ex:622: Connection.enter_con
nect/5
    (stdlib) proc_lib.erl:247: :proc_lib.init_p_do_apply/3
Last message: nil
State: Postgrex.Protocol
➜  discuss git:(072-app-overview) atom .
➜  discuss git:(072-app-overview) whoami
stephengrider
➜  discuss git:(072-app-overview) mix ecto.create
Compiling 12 files (.ex)
Generated discuss app
The database for Discuss.Repo has already been created
➜  discuss git:(072-app-overview) ✗ mix phoenix.server
```

Chrome File Edit View History Bookmarks People Window Help Fri 3:41 PM

Installation · Phoenix | Homebrew — The missing pac | Download | Node.js | Hello Discuss! | Stephen

localhost:4000

Apps | Good Copy • Email... | Ecto · Elixir School | Posting a Photo to I... | hotJS - It's Kinda Li... | Motion AI - Chatbot... | "It's 106 miles to C... | Quantopian Commu... | Postman

Phoenix Framework

Get Started

Welcome to Phoenix!

A productive web framework that
does not compromise speed and maintainability.

Resources

- Guides
- Docs
- Source

Help

- Mailing list
- #elixir-lang on freenode IRC
- @elixirphoenix

discuss
_build
config
deps
lib
node_modules
priv
test
web
channels
controllers
models
static
templates
layout
page
index.html.eex
views
gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

index.html.eex

```
10      <li>
11        <a href="http://phoenixframework.org/docs/overview"
12      </li>
13      <li>
14        <a href="https://hexdocs.pm/phoenix">Docs</a>
15      </li>
16      <li>
17        <a href="https://github.com/phoenixframework/phoeni
18      </li>
19      <li>
20        <a href="https://google.com">Google</a>
21      </li>
22    </ul>
23  </div>
24
```

Chrome File Edit View History Bookmarks People Window Help
Fri 3:43 PM
Installation · Phoenix
Homebrew — The missing pac
Download | Node.js
Hello Discuss!
Stephen
localhost:4000
Apps
Good Copy • Email...
Ecto · Elixir School
Posting a Photo to I...
hotJS - It's Kinda Li...
Motion AI - Chatbot...
"It's 106 miles to C...
Quantopian Commu...
Postman

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Resources

- Guides
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- Source
- Google

Help

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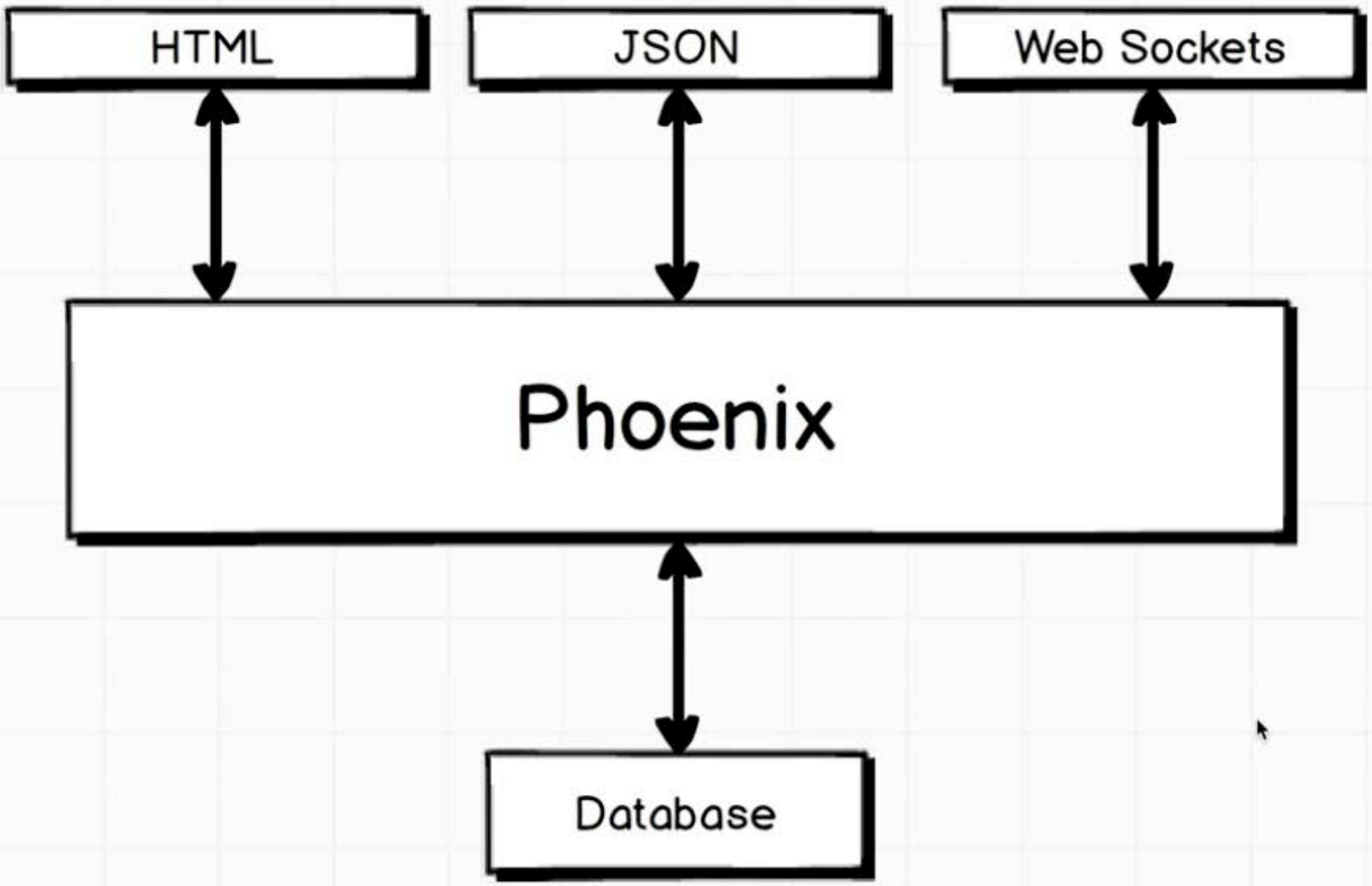
- @elixirphoenix

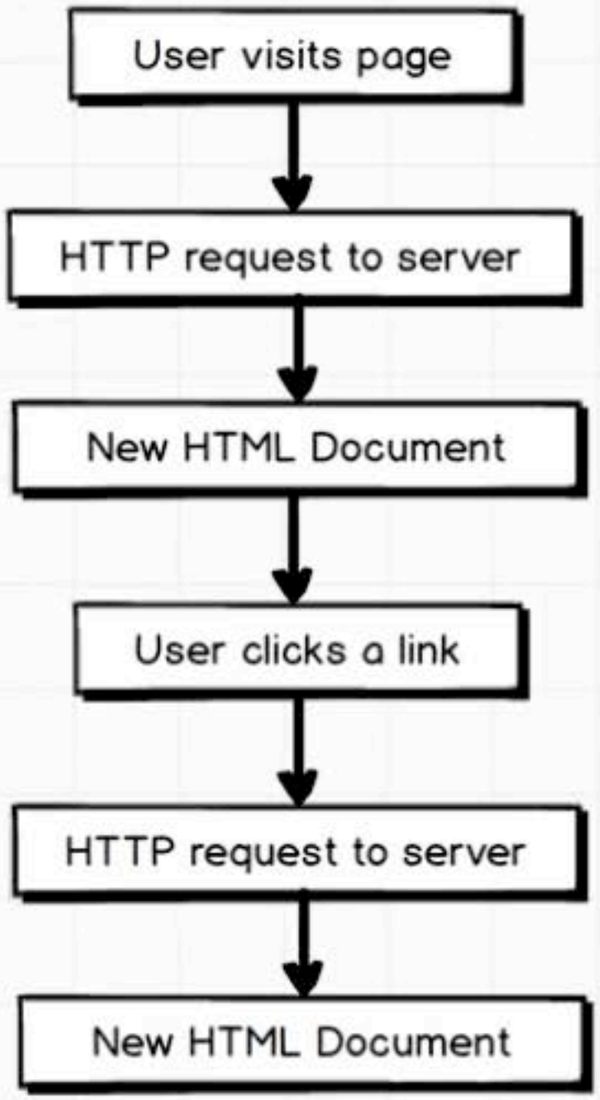
https://google.com

Balsamiq Mockups 3 Project Edit View Window Help
Fri 3:47 PM
03 - phoenix purpose - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add

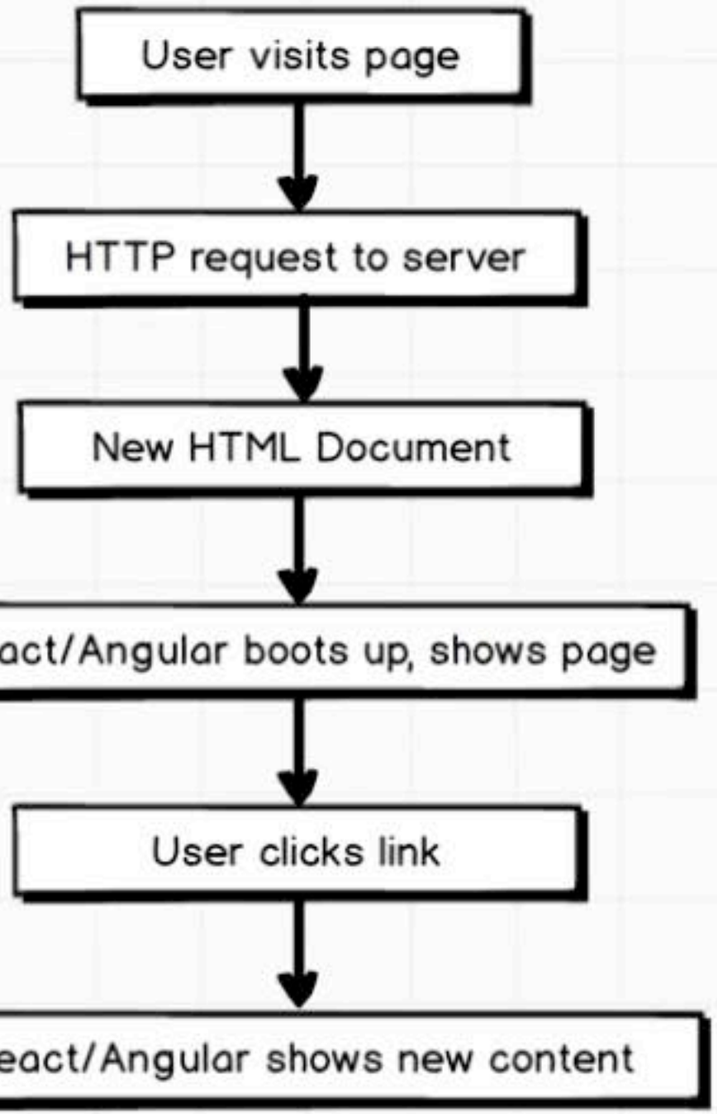


Balsamiq Mockups 3 Project Edit View Window Help Fri 3:47 PM
03 - server templating - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add

Server Side Templating



Single Page App



discuss
_build
config
deps
lib
node_modules
priv
test
web
channels
controllers
models
static
templates
layout
page
index.html.eex
views
gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

index.html.eex

```
1  <div class="jumbotron">
2    <h2><%= gettext "Welcome to %{name}", name: "Phoenix!"
3    <p class="lead">A productive web framework that<br />do
4  </div>
5
6  <div class="row marketing">
7    <div class="col-lg-6">
8      <h4>Resources</h4>
9      <ul>
10       <li>
11         <a href="http://phoenixframework.org/docs/overvie
12       </li>
13       <li>
14         <a href="https://hexdocs.pm/phoenix">Docs</a>
15       </li>
16       <li>
```

Balsamiq Mockups 3 Project Edit View Window Help
Fri 5:01 PM
03 - View vs Layout copy - elixir - [.../Google Drive/Mocks/elixir.bmpr]
elixir
Quick Add

Common to all pages

double-click to edit

A Web Page

http://

Discussions

Sign in With Github

Topics For Discussion

JS Frameworks

Elixir Lang Edit Delete

Postgres in Production?

A Web Page

http://

Discussions

Sign Out

JS Frameworks

Create Post

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views
gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

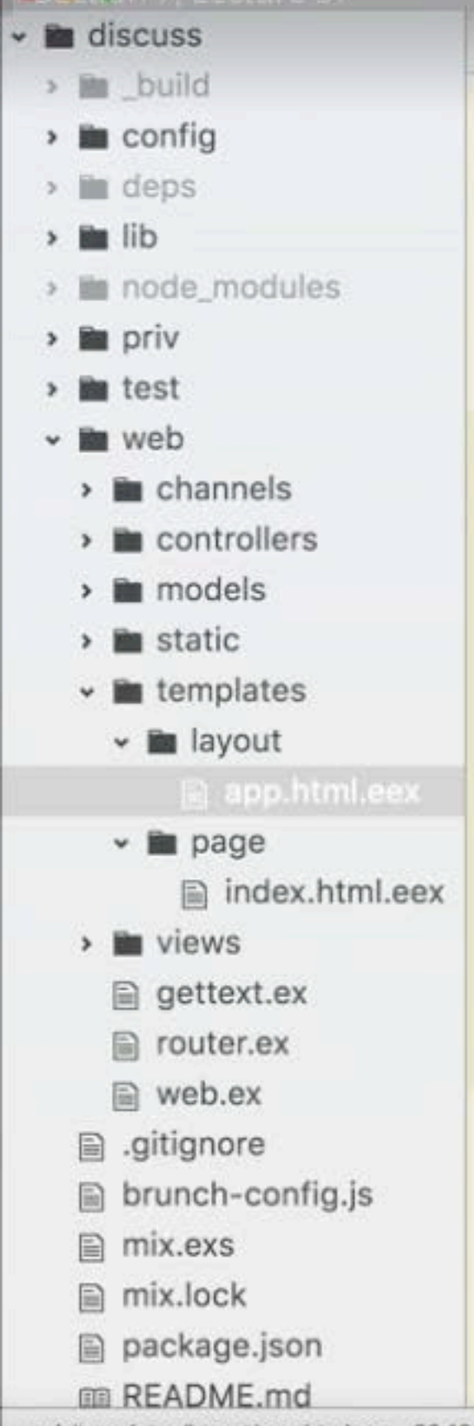
index.html.eex
app.html.eex

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, in
7      <meta name="description" content="">
8      <meta name="author" content="">
9
10     <title>Hello Discuss!</title>
11     <link rel="stylesheet" href="<%= static_path(@conn, "
12   </head>
13
14   <body>
15     <div class="container">
16       <header class="header">
```

Atom File Edit View Selection Find Packages Window Help
Fri 5:03 PM

app.html.eex — /Users/stephengrider/workspace/ElixirWorkspace/prod/discuss

Go to Dashb



index.html.eex | app.html.eex

```
12    </head>
13
14    <body>
15      <div class="container">
16        <header class="header">
17          <nav role="navigation">
18            <ul class="nav nav-pills pull-right">
19              <li><a href="http://www.phoenixframework.org/
20            </ul>
21          </nav>
22          <span class="logo"></span>
23        </header>
24
25        <p class="alert alert-info" role="alert"><%= get_fl
26        <p class="alert alert-danger" role="alert"><%= get_
27
```

discuss
_build
config
deps
lib
node_modules
priv
test
web
channels
controllers
models
static
templates
layout
app.html.eex
page
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gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

index.html.eex | app.html.eex

```
12    </head>
13
14    <body>
15      <div class="container">
16
17
18        <p class="alert alert-info" role="alert"><%= get_fl
19        <p class="alert alert-danger" role="alert"><%= get_
20
21        <main role="main">
22          <%= render @view_module, @view_template, assigns
23        </main>
24
25      </div> <!-- /container -->
26      <script src="<%= static_path(@conn, "/js/app.js") %>"
27    </body>
```

Chrome File Edit View History Bookmarks People Window Help
Fri 5:03 PM
Go to Dashb
Stephen

Installation · Phoenix | Homebrew — The missing pa | Download | Node.js | Hello Discuss!

localhost:4000

Welcome to Phoenix!

A productive web framework that
does not compromise speed and maintainability.

Resources

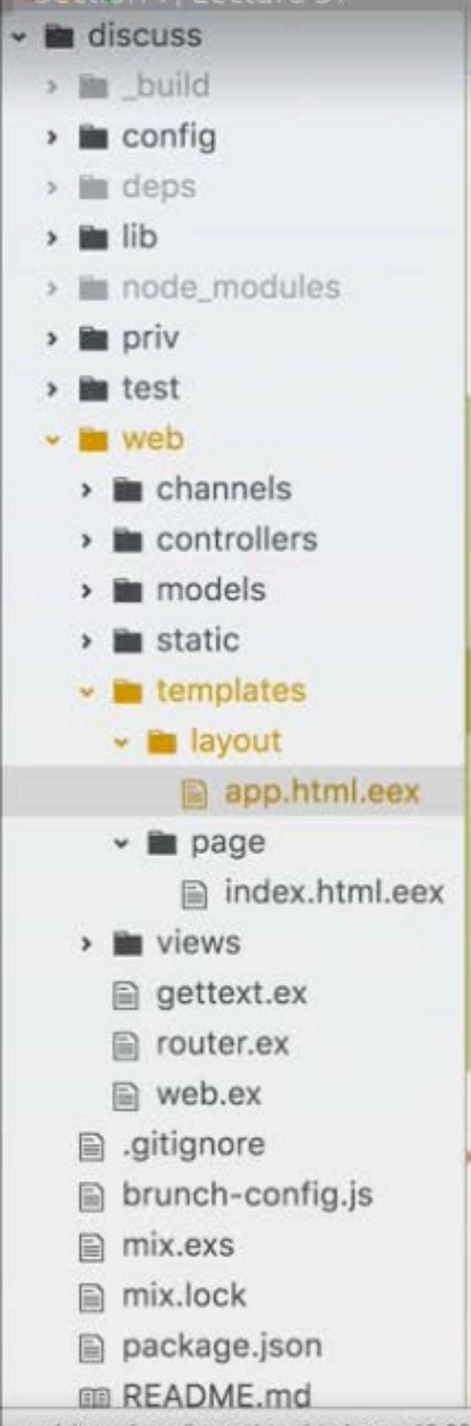
- Guides
- Docs
- Source
- Google

Help

- Mailing list
- #elixir-lang on freenode IRC
- @elixirphoenix

Atom File Edit View Selection Find Packages Window Help
Fri 5:04 PM
Go to Dashbo

app.html.eex — /Users/stephengrider/workspace/ElixirWorkspace/prod/discuss



index.html.eex | app.html.eex

```
11    <link rel="stylesheet" href="<%= static_path(@conn, "
12  </head>
13
14  <body>
15    <nav class="light-blue">
16      <div class="nav-wrapper container">
17        <a href="/" class="brand-logo">
18          Discussions
19        </a>
20      </div>
21    </nav>
22
23  <div class="container">
24
25    <p class="alert alert-info" role="alert"><%= get_fl
26    <p class="alert alert-danger" role="alert"><%= get_
```

Google Chrome

Chrome File Edit View History Bookmarks People Window Help
Fri 5:04 PM
Installation · Phoenix
Homebrew — The missing pac
Download | Node.js
Hello Discuss!
Stephen
localhost:4000

Discussions

Welcome to Phoenix!

A productive web framework that
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Resources

- Guides
- Docs
- Source
- Google

Help

- Mailing list
- #elixir-lang on freenode IRC

Chrome File Edit View History Bookmarks People Window Help Fri 5:04 PM

Installation · Phoenix | Homebrew — The missing pac | Download | Node.js | Hello Discuss! | Stephen

localhost:4000

Discussions

Welcome to Phoenix!

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Resources

- Guides
- Docs
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- Google

Help

- Mailing list
- #elixir-lang on freenode IRC

Chrome File Edit View History Bookmarks People Window Help
Fri 5:05 PM
Go to Dashb

About
Getting Started
CSS
Components
JavaScript
Mobile
Showcase

Materialize

A modern responsive front-end framework based on Material Design

GET STARTED

beta release v0.97.7

MODE
Query. Chart. Repeat.
Pull data with SQL, build charts, & share reports with your team. Try Mode free.
ads via Carbon

this if you are unfamiliar with Sass.

MATERIALIZE

Sass compiler if you choose this option.

SOURCE

CDN

You can find all the versions of the CDN at cdnjs.

language-markup

```
<!-- Compiled and minified CSS -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/

<!-- Compiled and minified JavaScript -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.7/js/materi
```

NPM

You can also get the latest release using NPM. This release contains source files as well as the compiled CSS and JavaScript files.

language-bash

```
npm install materialize-css
```

Download
Setup
Templates
Third-party Options
Sass

About
Getting Started
CSS
Components
JavaScript
Mobile
Showcase

Processing request...
English

About
Getting Started
CSS
Components
JavaScript
Mobile
Showcase

the minified and unminified CSS and JavaScript files. This option requires little to no setup. Use this if you are unfamiliar with Sass.

choosing this version you have more control over which components to include. You will need a Sass compiler if you choose this option.

MATERIALIZE

SOURCE

Download
Setup
Templates
Third-party Options
Sass

CDN

You can find all the versions of the CDN at cdnjs.

language-markup

```
<!-- Compiled and minified CSS -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/

<!-- Compiled and minified JavaScript -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.7/js/materi
```

NPM

You can also get the latest release using NPM. This release contains source files as well as the compiled CSS and JavaScript files.

language-bash

```
npm install materialize-css
```

Atom

English

discuss
_build
config
deps
lib
node_modules
priv
test
web
channels
controllers
models
static
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gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

index.html.eex | app.html.eex

```
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, in
7   <meta name="description" content="">
8   <meta name="author" content="">
9
10  <title>Hello Discuss!</title>
11  <link rel="stylesheet" href="<%= static_path(@conn, "
12  <link rel="stylesheet" href="https://cdnjs.cloudflare
13  </head>
14
15  <body>
16    <nav class="light-blue">
17      <div class="nav-wrapper container">
18        <a href="/" class="brand-logo">
19          Discussions
20        </a>
```

Chrome File Edit View History Bookmarks People Window Help
Fri 5:06 PM
Go to Dashb
Stephen

Installation · Phoenix | Homebrew — The missing p | Download | Node.js | Hello Discuss! | Getting Started - Materialize

localhost:4000

Discussions

Welcome to Phoenix!

A productive web framework that
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Resources

Guides
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Source
Google

discuss
_build
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lib
node_modules
priv
test
web
channels
controllers
models
static
templates
layout
app.html.eex
page
index.html.eex
views
gettext.ex
router.ex
web.ex
.gitignore
brunch-config.js
mix.exs
mix.lock
package.json
README.md

index.html.eex | app.html.eex

```
13    </head>
14
15    <body>
16      <nav class="light-blue">
17        <div class="nav-wrapper container">
18          <a href="/" class="brand-logo">
19            Discussions
20          </a>
21        </div>
22      </nav>
23
24      <div class="container">
25
26        <p class="alert alert-info" role="alert"><%= get_flash(@conn, :i
27        <p class="alert alert-danger" role="alert"><%= get_flash(@conn,
28
29        <main role="main">
30          <%= render @view_module, @view_template, assigns %>
31        </main>
32
```