

Haskell Web Server

Functional Programming

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Haskell

Web Server with Scotty

WebSockets with Warp

- <http://adit.io/posts/2013-04-15-making-a-website-with-haskell.html>
- <https://www.paramander.com/blog/playing-with-websockets-in-haskell-and-elm>

```
> mkdir haskell-scotty  
> cd haskell-scotty  
> cabal sandbox init  
> git init  
> atom .
```

```
{-# LANGUAGE OverloadedStrings #-}  
import Web.Scotty  
  
main = scotty 3000 $ do  
  get "/" $ do  
    html "Hello World!"
```

□ Name it `your-project-name.cabal`

□ Run:

```
> cabal install  
> .cabal-sandbox/bin/haskell-scotty
```

```
get "/" $ do
  text "gotten!"

delete "/" $ do
  text "deleted!"

post "/" $ do
  text "posted!"

put "/" $ do
  text "put-ted!"
```

```
get "/hello" $ do
  name <- param "name"
  text name

get "[:word]" $ do
  beam <- param "word"
  html $ mconcat ["<h1>Scotty, ", beam, " me up!</h1>"]
```



```
module Todo.Views.Index where

render = do
  html $ do
    body $ do
      h1 "My_todo_list"
      ul $ do
        li "learn_haskell"
        li "make_a_website"
```

```
import qualified Todo.Views.Index
blaze = S.html . renderHtml

scotty 3000 $ do
  get "/" $ do
    blaze Todo.Views.Index.render
```

