

# WhichSandwich

## Design Specification

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# Overview

WhichSandwich is a website for designing, sharing and rating sandwiches.

It provides a platform for users to design sandwiches and share them with other sandwich enthusiasts who can then comment and rate. They can also keep track of their favourite contributions from other users.

Visitors will see a ranking of the top, new and most controversial sandwiches, which can be a valuable tool for small business owners to gauge their market.

# User Persona 1

## Krishna Burak Guillory, 51



Krishna likes to keep an eye on WhichSandwich as he likes to update his menu with new options to please his customers. He is looking for innovative yet simple (easy to make, accessible ingredients) sandwiches to compete with the growing amount of rival fast-food chains. As he has a wide-range of customers, he is very interested in discovering different type of sandwiches (vegan, vegetarian, halal...) to fulfil their demands.

He does not get involved as far as uploading content to the website, but he has created a user profile to benefit from the “favourite” option. Krishna takes pride in keeping his business well-organised, and he makes sure to use this option to keep track of his most successful sandwiches. He is also very interested by the ranking page, as this gives him a good overview of which sandwiches are most likely to sell well if he decides to start producing them.

## User Persona 2

Suzana Maria Havelka, 68



Suzana spent her entire life in Brazil, where she now enjoys a peaceful retirement in Bangu, Rio de Janeiro. She often takes care of her grandchildren as their single father, her son, spends most of his time working at sea to provide for his family. Suzana places family above all, and desires the best for her grandchildren; she also wants to keep up with her time, and is a regular user of WhichSandwich. She likes to try new, sometimes unheard of, sandwich recipes for when she has her grandkids stay with her. With the time she had on her hands, she has already tried all the most popular sandwiches from this website, and is always looking for new ones.

Aside from trying out the different sandwiches, Suzana also likes to upload her own creations which often comprise local Brazilian ingredients such as Brazil nuts, erva mate or coloral.

## User Persona 3

### Andrew Herman Mayes, 33



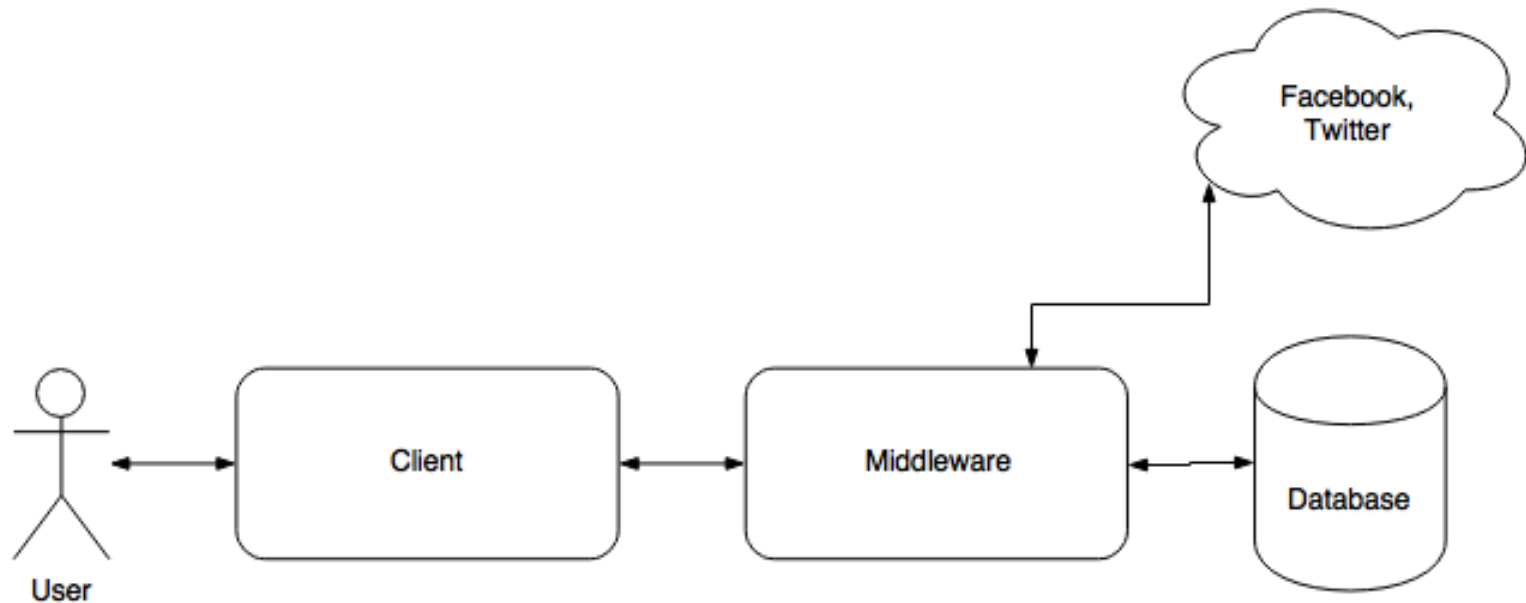
Andrew has created his own start-up 5 years ago which has since then experienced growing success. This comes at a price, as Andrew must work around 50 hours per week to ensure the well-being of his company. As a result, he does not have time to go out for lunch and often finds himself eating in his office. He has discovered WhichSandwich when he realised he was not having proper healthy meals, which was taking a toll on his efficiency at work. He decided to use this website to make himself a sandwich early in the morning before he left for work. His primary concern is the calories included in his meals, as he wants to make sure he remains productive. He also enjoys some variety in the different sandwiches he prepares for himself.

He is not afraid to purchase high quality ingredients to prepare his meals, although they often come at a higher price. However, he will avoid sandwiches with too many ingredients, or unclear preparation instructions (i.e. No pictures) as his time in the morning is also very limited.

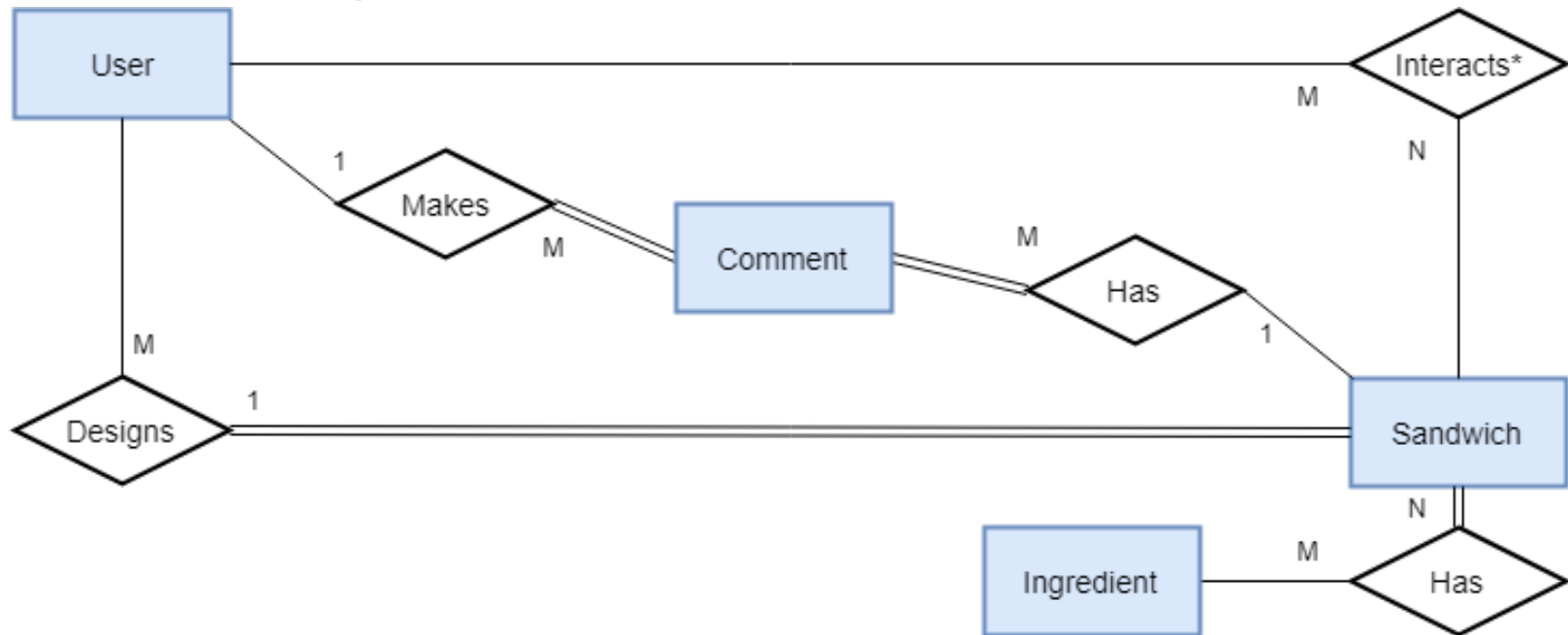
# Specification

- Users must be able to create/edit/delete an account.
- Users must be able to log in and log out of an account.
- Users must be able to view a sandwich's image/list of ingredients.
- Users must be able to view comments on a sandwich.
- Users must be able to view the rating of a sandwich.
- Users must be able to view the calories of ingredients and sandwiches.
- Users must be able to sort sandwiches by top, new and most controversial.
- When logged in, users can create/edit/delete a sandwich using the list of ingredients.
- When logged in, users can comment on a sandwich.
- When logged in, users can rate a sandwich.
- When logged in, users can share a sandwich to Facebook/Twitter.

# System Architecture Diagram



# ER Diagram



\* Includes favourites, share and rate.

User
ID (Char 128)
Password (Char 128)
Username (Char 128)
Email (Char 128)

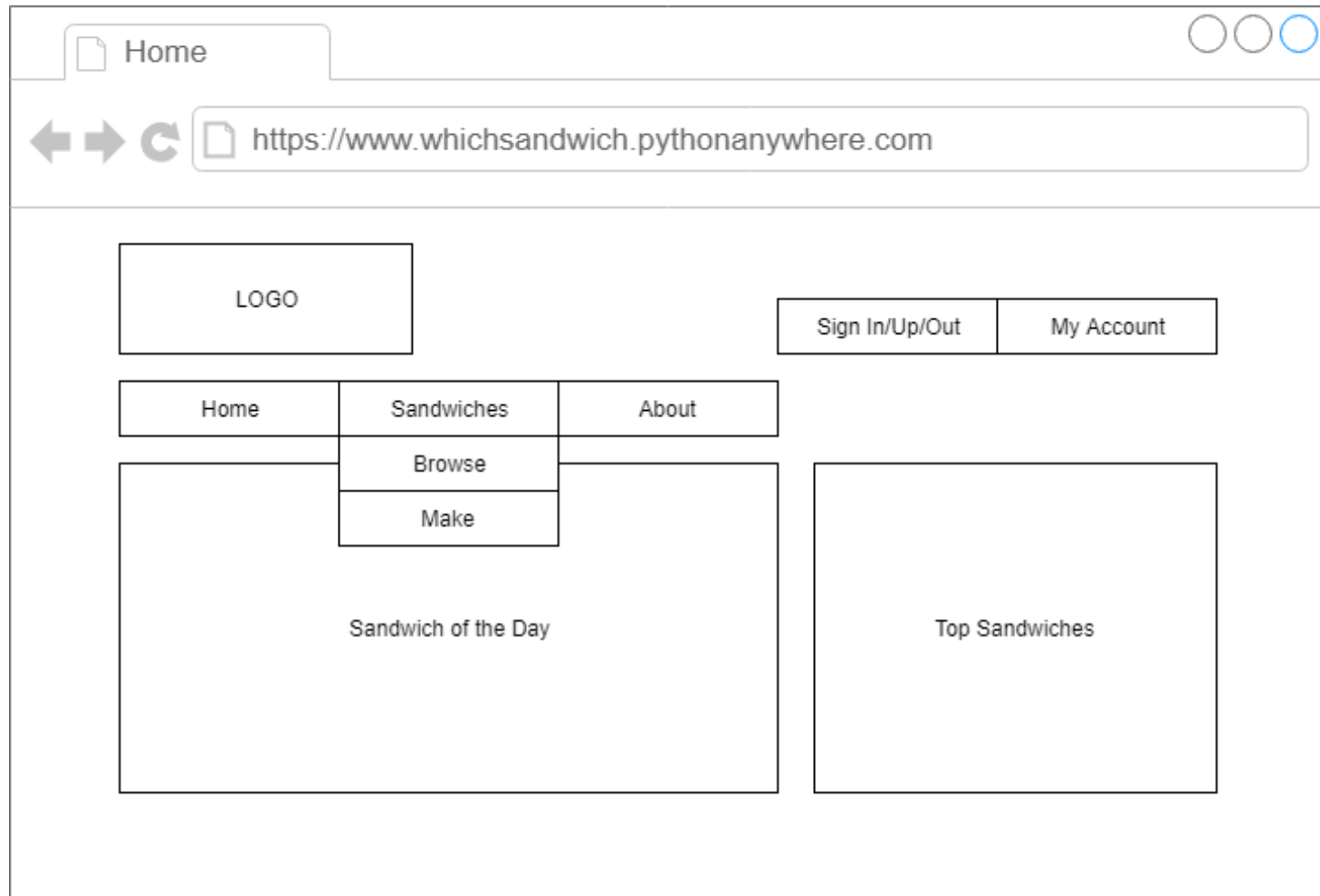
Sandwich
ID (Integer)
fk_Creator (Char 128)
Name (Char 128)
Image Path (Char 128)
Calories (Integer)
Rating (Integer)

Ingredient
ID (Integer)
Name (Char 128)
Calories (Integer)

Comment
ID (Integer)
fk_Commenter (Char 128)
fk_Sandwich (Integer)
Comment (Char 128)



# Wireframe - Home



# Wireframe - Sign In

A wireframe of a web browser window showing a sign-in page. The browser's address bar displays the URL `https://www.whichsandwich.pythonanywhere.com`. The page layout includes a header with a logo, navigation links, and a sign-in form.

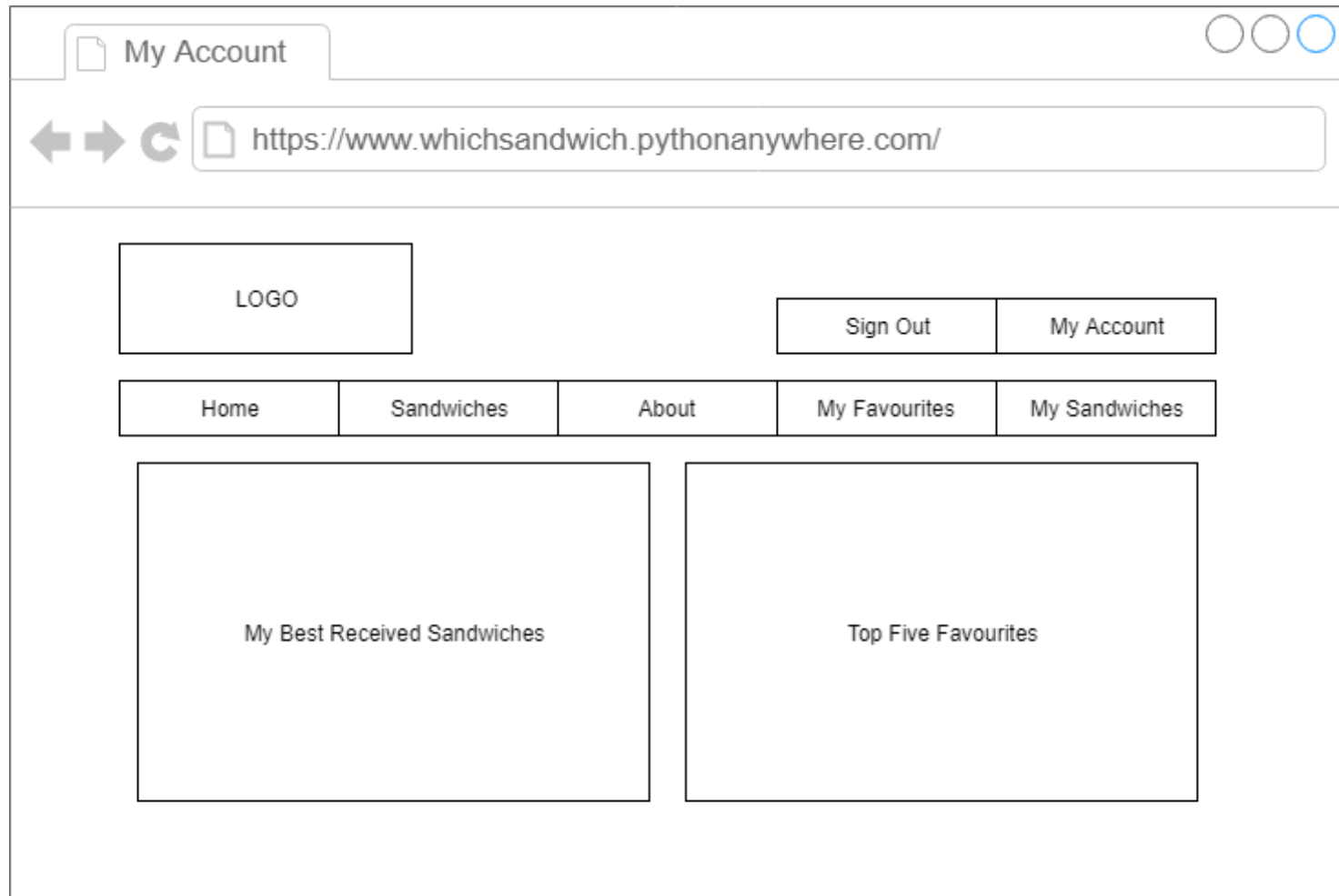
**Browser Window:**

- Tab:** Sign In
- Address Bar:** `https://www.whichsandwich.pythonanywhere.com`

**Page Content:**

- Logo:** A rectangular box labeled "LOGO".
- Navigation Links:** A horizontal row of three buttons: "Home", "Sandwiches", and "About".
- Sign In Section:** A large rectangular box containing:
  - Sign In:** A heading for the sign-in section.
  - Username:** A text input field.
  - Password:** A text input field.
- User Actions:** Two buttons in the top right corner: "Sign In/Up/Out" and "Profile".

# Wireframe - My Account



# Wireframe - Design Sandwich

Design

https://www.whichsandwich.pythonanywhere.com/

LOGO

Sign Out My Account

Home Sandwiches About My Favourites My Sandwiches

Available Ingredients

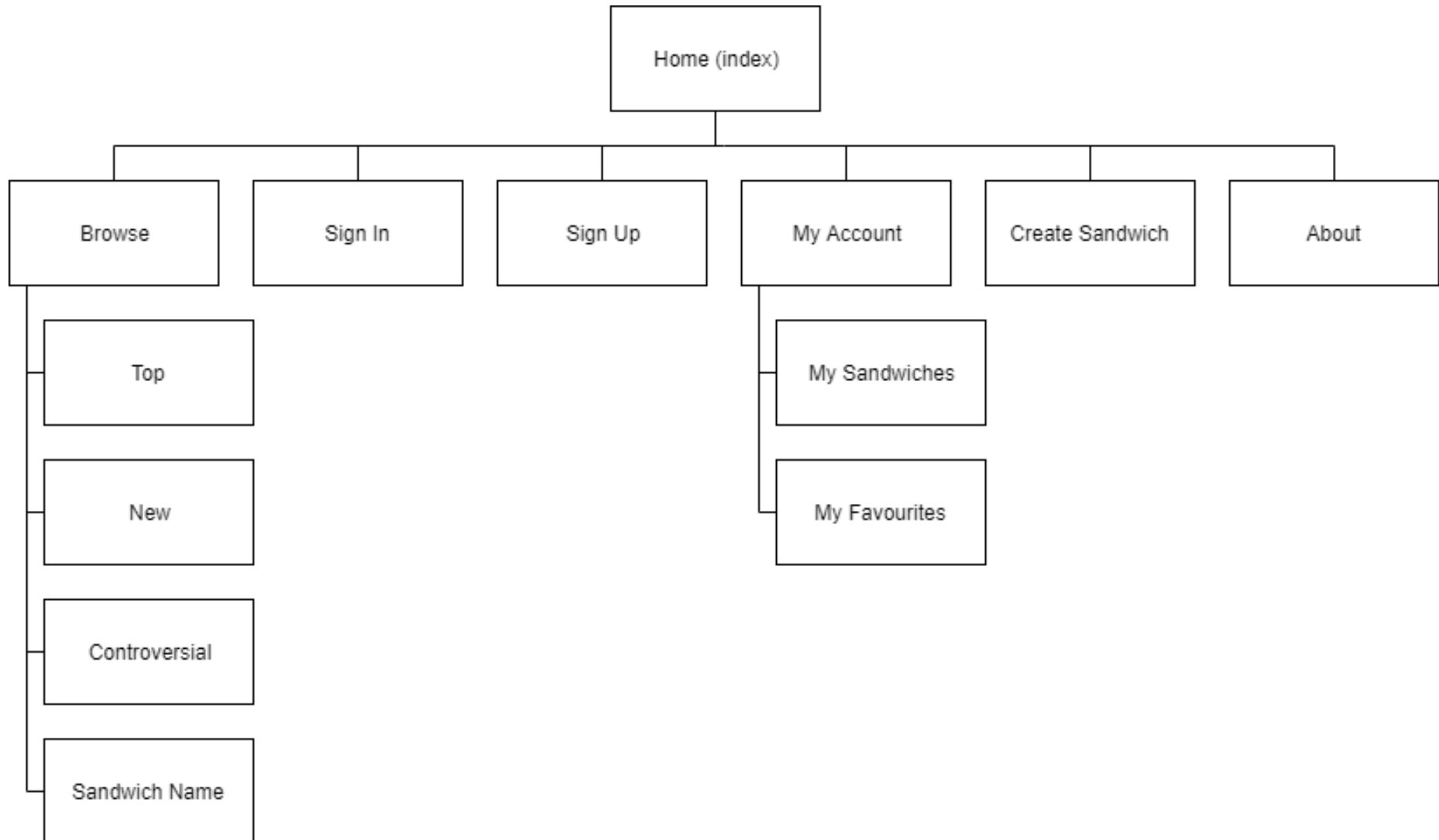
Ingredients Used

Sandwich Picture

Calorie counter

Finish Button

# Walkthrough – Site Map



# URLS

/home

/about

/SignUp

/SignIn

/MyAccount

/MyAccount/MySandwiches

/MyAccount/MyFavourites

/CreateSandwich

/browse

/browse/top

/browse/new

/browse/controversial

/browse/SandwichName