

WhichSandwich

Design Specification

Matthew Smith, Quentin Del, Gordon Wells

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 best, 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 the different categories 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



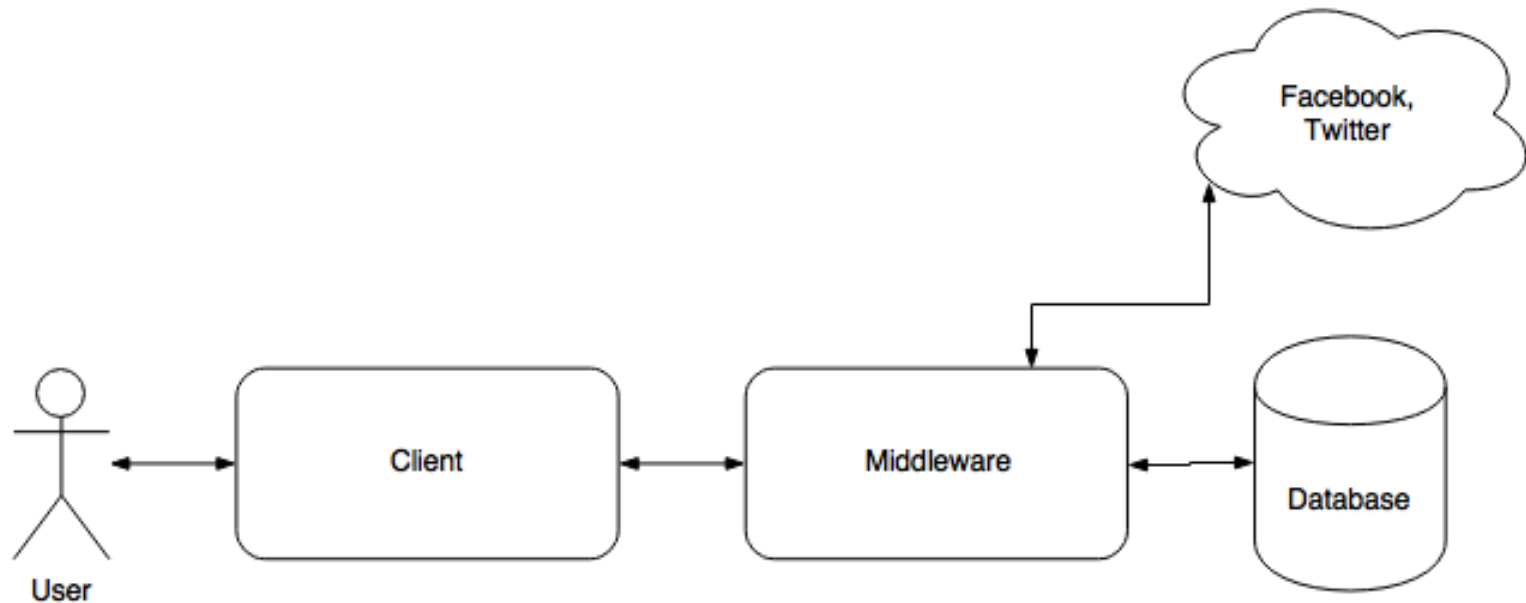
Andrew has created his own startup 5 years ago which has since then experienced growing success. This comes at a price, as Andrew must work around 50 hours per week to ensure the well-being of his company. As a result, he does not have time to go out for lunch and often finds himself eating in his office. 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 nutritional value of 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.

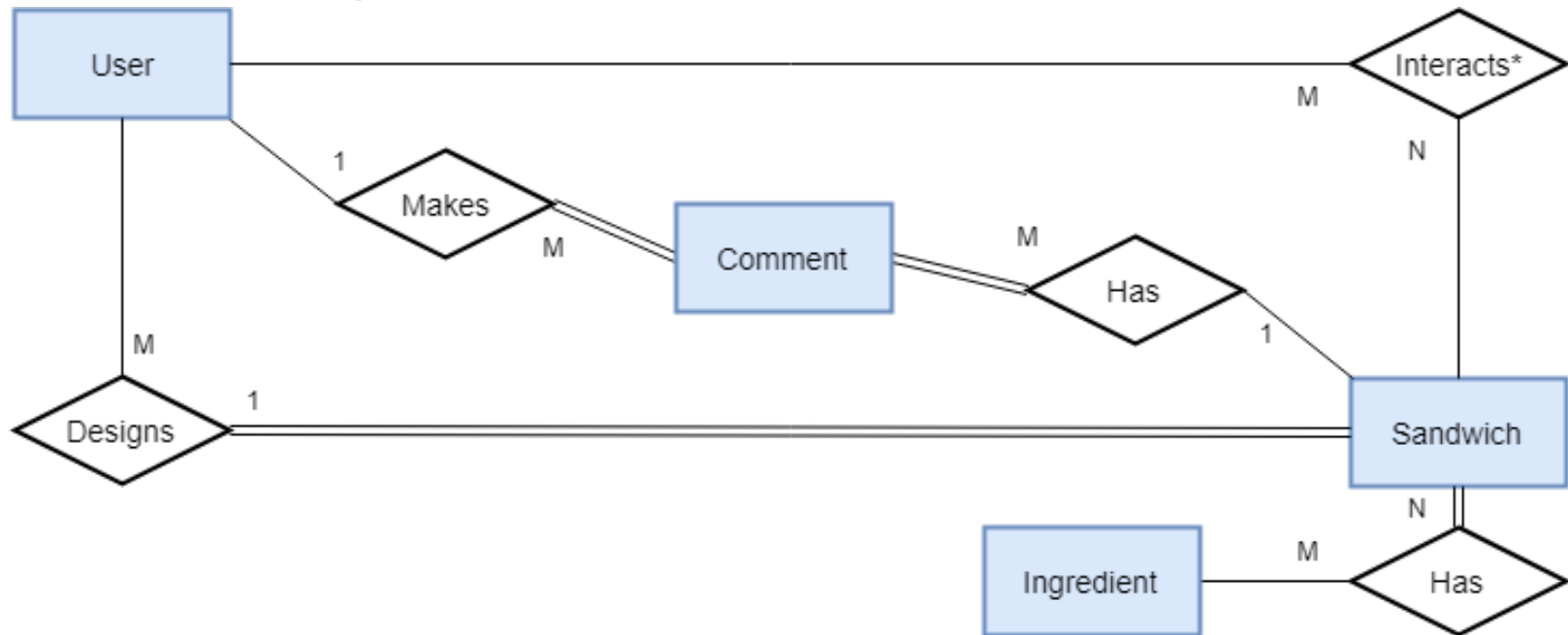
Specification

- 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, worst 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.

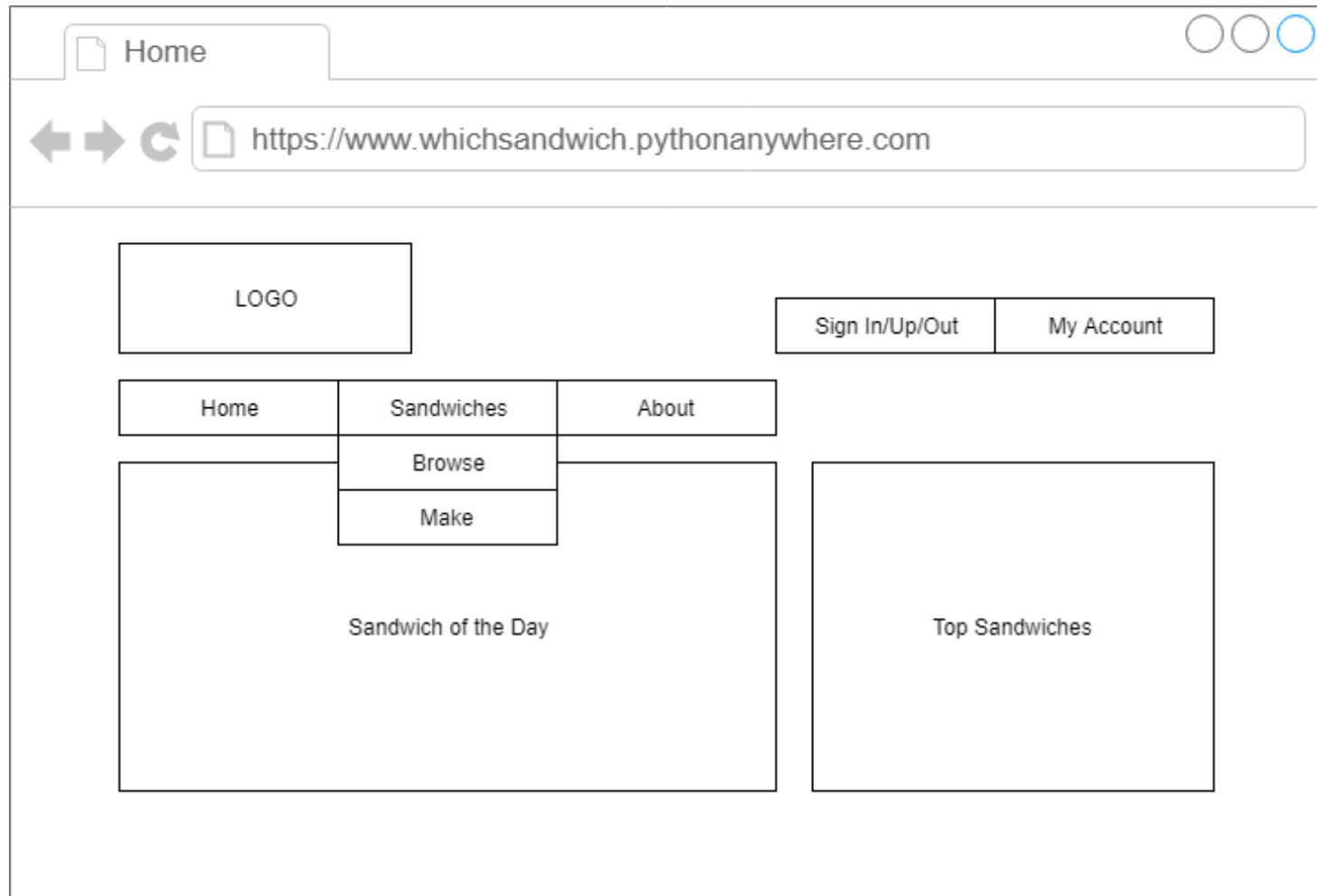
User
ID (Char 128)
Password (Char 128)
Username (Char 128)
Email (Char 128)

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 'Sign In' tab, a 'LOGO' placeholder, and navigation links for 'Home', 'Sandwiches', and 'About'. A 'Sign In/Up/Out' link and a 'Profile' link are also present. The main content area features a 'Sign In' form with 'Username' and 'Password' input fields.

Sign In

https://www.whichsandwich.pythonanywhere.com

LOGO

Sign In/Up/Out Profile

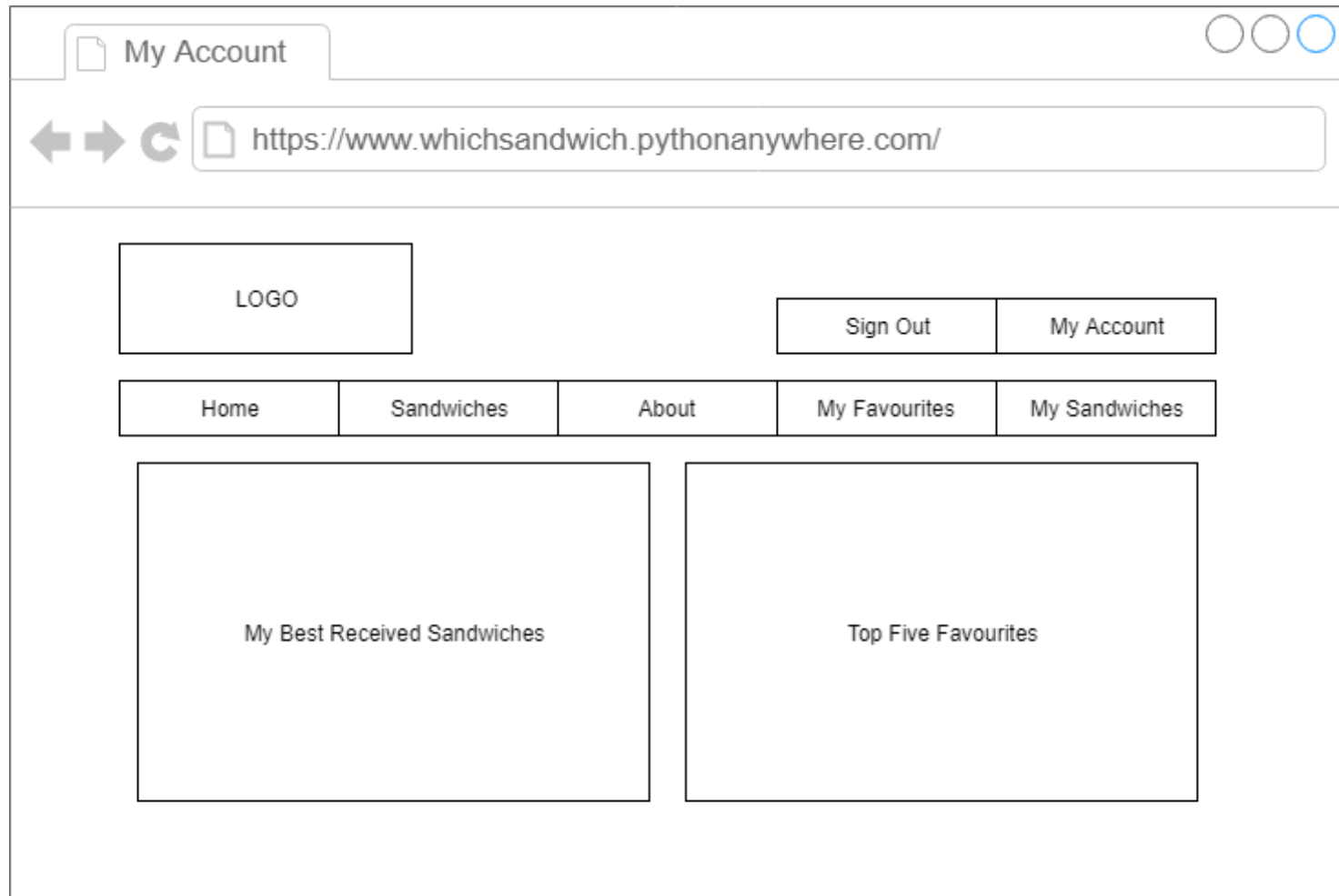
Home Sandwiches About

Sign In

Username

Password

Wireframe - My Account

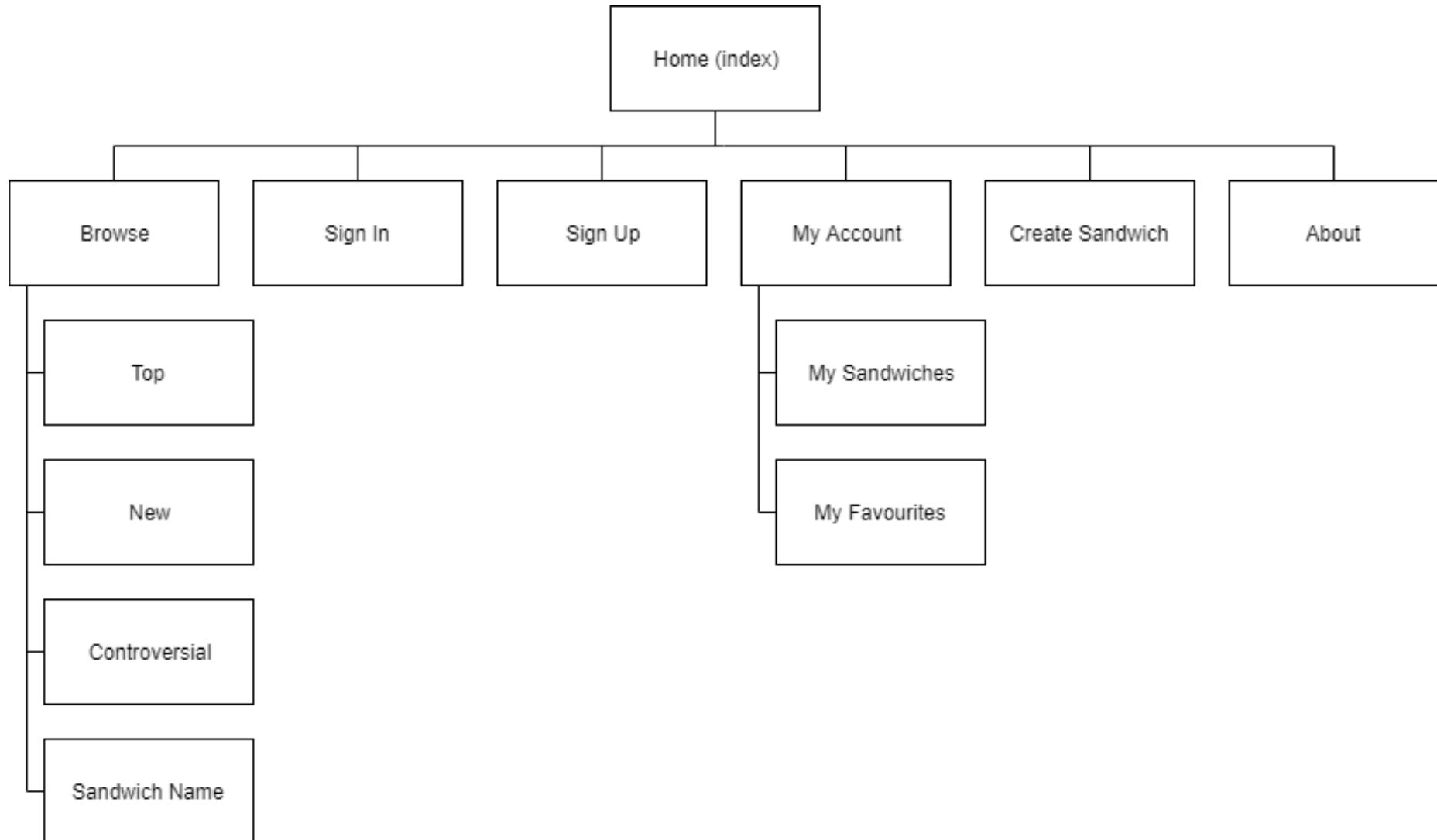


Wireframe - Design Sandwich

The wireframe depicts a web browser window with a single tab labeled 'Design'. The address bar shows the URL 'https://www.whichsandwich.pythonanywhere.com/'. The page layout includes a top navigation bar with a 'LOGO' placeholder on the left and 'Sign Out' and 'My Account' links on the right. Below this is a horizontal menu with five items: 'Home', 'Sandwiches', 'About', 'My Favourites', and 'My Sandwiches'. The main content area is divided into three columns. The left column, titled 'Available Ingredients', contains five empty input boxes. The middle column, titled 'Ingredients Used', contains five empty input boxes. The right column features a large 'Sandwich Picture' placeholder, a 'Calorie counter' input box, and a 'Finish Button' at the bottom.

Design		Sign Out		My Account	
Home	Sandwiches	About	My Favourites	My Sandwiches	
Available Ingredients		Ingredients Used		Sandwich Picture	
[Input Box]		[Input Box]		[Input Box]	
[Input Box]		[Input Box]		[Input Box]	
[Input Box]		[Input Box]		[Input Box]	
[Input Box]		[Input Box]		[Input Box]	
[Input Box]		[Input Box]		[Input Box]	
				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