

SI 539 Team Project - KitChan Food

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1. Introduction

We, a team of three MSI students, are pleased to submit a proposal for the web site development of KitChan Food. This proposal describes the website services, technology, and timeline for the web site development project.

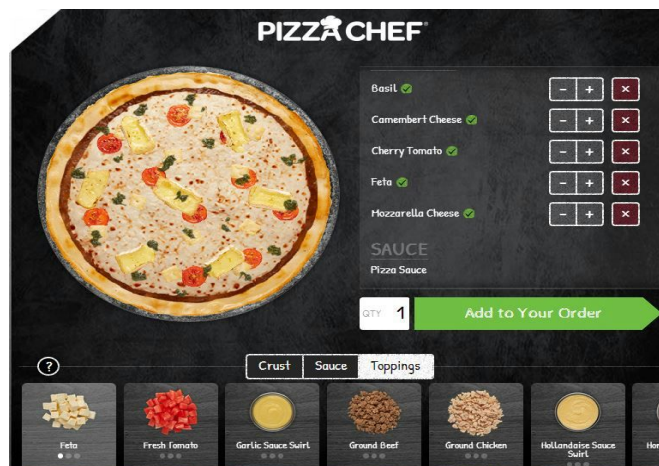
KitChan is an Ann Arbor-based organic food provider, which aims to offer local households with the opportunity to enjoy wholesome home-cooked meals by Chef Chan with no planning, no shopping and no hassle required. KitChan delivers all local fresh ingredients customers need to make delicious meals in exactly the right proportions. Everything required for meals is carefully planned, locally sourced and delivered to the door at the most convenient time for each customer.

KitChan offers various plans, with no commitment or no fees, so the customer can prepare delicious, inventive meals at home. KitChan will take care of the menu planning and shopping, and deliver elaborate recipes right to customers' doors. All they have to do is just cook and enjoy.

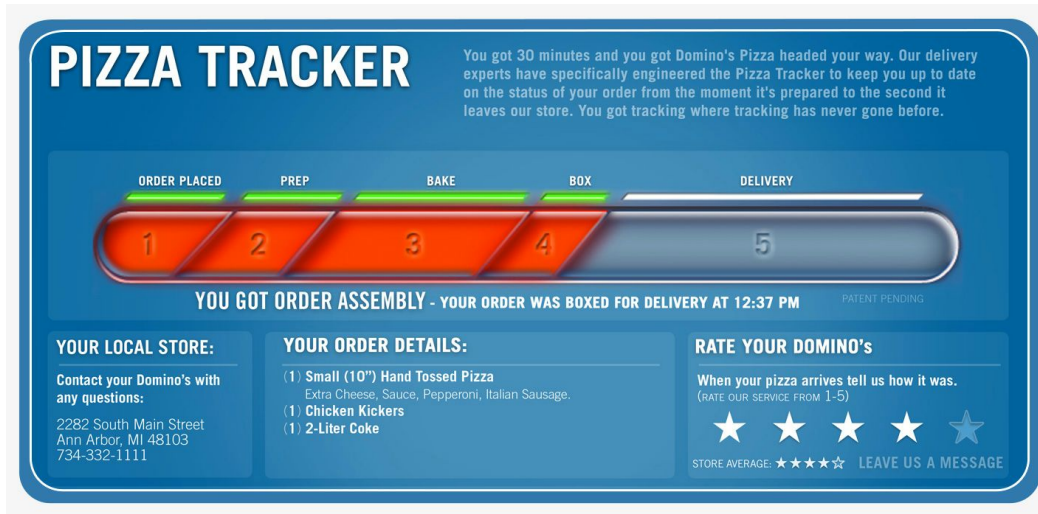
2. Website Features

The website we are going to create belongs to the Business To Consumer (B2C) type, which means all transactions are conducted directly between KitChan and consumers who are the end-users of its food. There are two critical features on the site.

- **'What you see is what you get' order process.** KitChan provides a visualized order system that each user can actually see what they have added on a mock-up plate. The example on the left demonstrates this idea well.



- **‘Real-time tracking’ system (optional).** The customers place their orders online which are simultaneously sent to staffs of KitChan. Then the orders will be prepared at KitChan and put in boxes. The orders themselves appears on a screen at a tracking bar as shown in the following image:



3. Basic Frames of the Website

We are going to create a website with four main page(at least) - Homepage, Ordering page, tracking page, and profile page, as well as other necessary pages during the process, such as Order Placement Success and Sign Up page. We will break it down in our future design process.

1). Homepage

Our homepage includes a welcome section which introduce what our website basically does - organic food package ordering, and a section where sample package are displayed with button to order.

2). Ordering Page

The ordering page is where our main function lies. User can choose from a list of raw material step by step and add them to his cart. On the left part of this page, a visualization of what the user order will be displayed as the user choose different ingredients.

When the order is placed, we will receive and record this into our database.

3). Tracking Page (optional)

The certain step of delivery process will be displayed using Javascript to trigger certain visual display on the page.

4). Profile Page (optional)

Profile page will display username, address, contact or other personal information. This part will be able to allow user to edit.

4. Tasks & Break-down

Tasks	Reasons	Priority (1 highest/ 3 lowest)	Break-down
[All pages] Header	Name of the web, “KitChan”, welcoming banner	1	Yidi Hong
[All pages] Favicon	Logo - visual identification	2	Yue Chen
[All pages] Navigation	to allow users to navigate to different pages	1	Yi Yang
[All pages] Footer	to allow users to share our website and contact us	1	Yue Chen
[All pages] Responsiveness	to provide an optimal viewing and interaction experience across a wide range of devices	1	Yi Yang Yidi Hong
[All pages] Content: Images collection color-order	to ensure our website content-rich and to have more visual elements	1	Yidi Hong
[All pages] Content: text	to make website content-rich and informative	1	Yi Yang Yue Chen
[All pages] Log in	to let users have sense of membership	3	Yi Yang
[Homepage] Sticky image	to make the page more visually interesting	2	Yue Chen
[Homepage] Process Bar	to introduce how the service of our website works	2	Yi Yang
[Order page] Ingredients display according to a selected color	To place ingredients in a logic and clear layout, and to provide an interest experience for user to choose ingredients	1	Yidi Hong
[Order page] Share customized recipe to personal social networks	Share recipes with friends and promote our website	3	Yi Yang

[Order page] Ingredients (food materials) selection and display	Our website is all about foods... “What you see is what you get” allow user to see what they choose as ingredient	1	Yidi Hong Yue Chen
[Order page] Place an order (Input personal information like Email and Address)	To collect information to complete transactions	1	Yi Yang
[Order page] Payment system	To complete the transaction, a payment system is definitely required	3	Yi Yang Yidi Hong
[Order page] Payment	To allow user to pay through Paypal or other payment method	3	Yi Yang
[Confirmation page]	a confirmation message to show successful order placement	2	Yue Chen
[Contact page] Google map <iframe>	to provide the location of our company	2	Yi Yang
[Contact page] Email and phone information	to provide contact information of us	1	Yue Chen

5. Technologies & Tools

Technologies

1). HTML

2). CSS

Note that we are not going to use Bootstrap

3). Javascript

4). Flask

5). MySQL

Help us manage database system based on SQL – Structured Query Language. It is used for a wide range of purposes, including user data, order management, and user log-in & out.

6). (Optional) If time allowed, we would adopted third party payment tool in our order placement process, such as Paypal.

Paypal API
-<https://developer.paypal.com/docs/integration/direct/make-your-first-call/>

Tools

1). Validators

HTML Validator - [W3C HTML Validator: https://validator.w3.org/](https://validator.w3.org/)

CSS Validator - [W3C CSS Validator](https://jigsaw.w3.org/css-validator/)

2). Responsiveness

Responsive Website Check - [AM I Responsive?](https://www.am-i-responsive.com/)

3). Accessibility

Wave Validator - <http://wave.webaim.org/>

4). Compatibility test

6. Plans & Timeline

- Planning

Here the scope, requirements, and description of the final web site will be determined and documented, including the number of pages, site hierarchy, organic merchandizing needs and web tools used.

- Concept Design

Sketches and/or page mock-ups are created that reflect the general appearance and the look and feel of the website. Once these are reviewed and approved web development will begin.

- Creation and Coding for Primary Pages

Primary site (i.e. KitChan homepage) web pages are created in the previously determined language (html) to meet all the appearance, performance, and content requirements. Then primary pages will be reviewed by instructors with appropriate feedback for revision.

- Primary Page Creation & Coding for Secondary Pages

Primary web site pages are revised in accordance with the review/feedback. All site secondary pages are created. Feedback from instructors is collected.

- Web Site Review and Testing

The finished web site will be reviewed and all functional aspects tested (i.e. forms, carts).

- Browser Compatibility Testing

KitChan is tested on a variety of operating system and browsers to insure proper display and functionality.

- Project Completion

Once revisions and modifications resulting from reviews are complete, the web site will be uploaded and go live.

Timeline

