

Case Study – IT BIZ SOLUTIONS

IT Biz Solutions offers a wide range of Information and Communication Technology services to businesses of all sizes. You will take the role of web developer, while your trainer will take the role of systems analyst that will approve your work.

One of its clients, Bryan's Café, wants you to develop their website that advertises their menu.

Client details

Name: Bryan's Café

Address: Multiple branches, see "Contact" section.

General Telephone number: This will be your RTO's phone number.

Email address: This will be your RTO's email address.

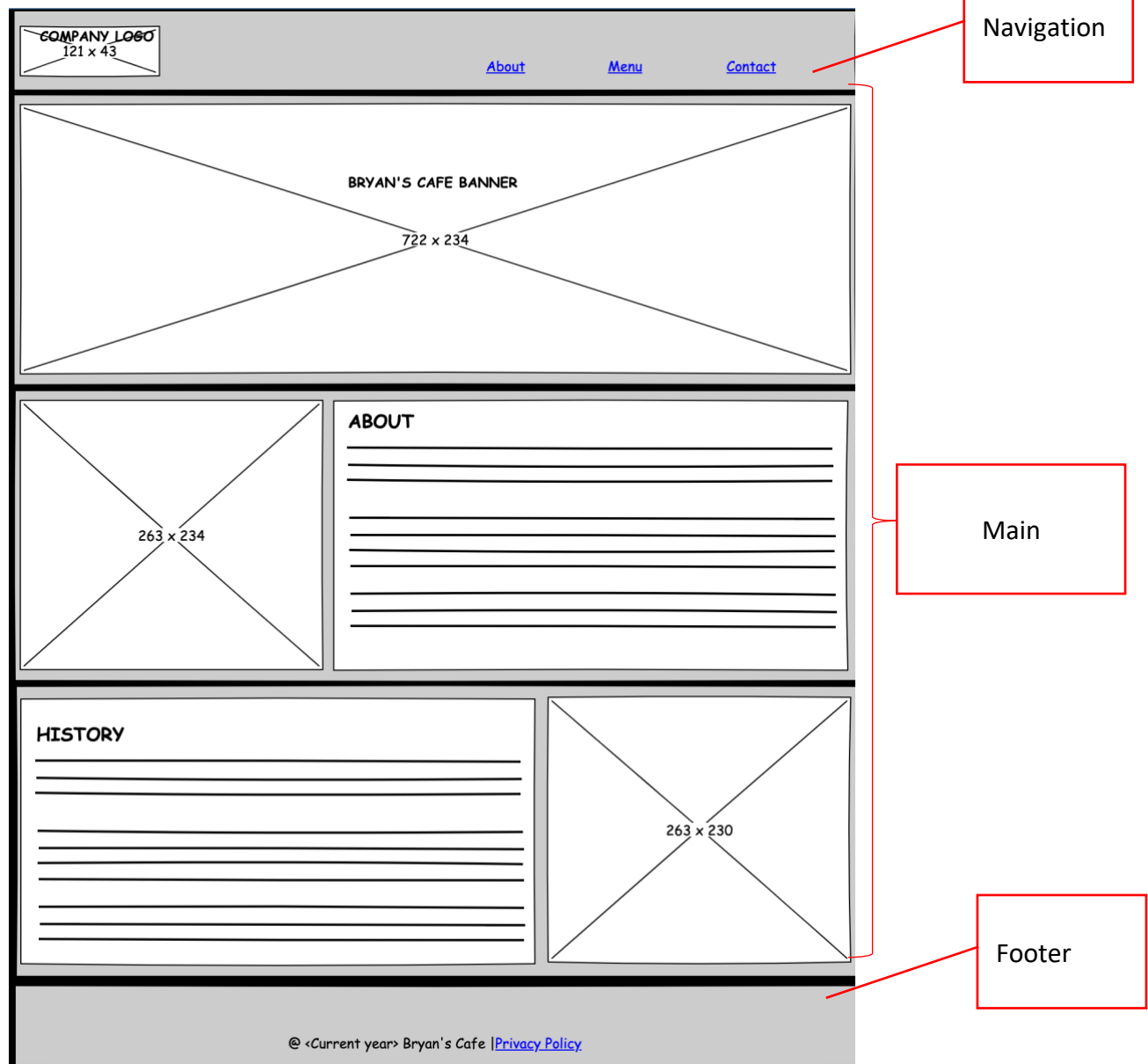
Overview of business and client requirements

The client you to produce a dynamic website that included the following pages:

- about
- menu
- contact
- privacy policy

General layout

The diagram below shows the sample layout of the about page.



Below are the general specifications off all pages:

- All pages must be responsive to mobile phones and laptops.
- All pages should consist of 'Navigation', 'Main', and 'Footer' sections as seen in the diagram above. 'Navigation' and 'Footer' should appear the same across all pages. The contents of the 'Main' section of each page is specified on the next few sections.
- The navigation section should consist of:
 - Company logo that links to the about page.
 - The following menu items:
 - About that links to the about page
 - Menu that links to the menu page

- Contact that links to the contact page
- The footer section should consist of the following text:

@<Current year> Bryan's Café, where the <Current year> must automatically be replaced by the actual current year. For example:

@2021 Bryan's Café

This must be implemented using JavaScript.
- Note that the above diagram is a sample layout only. The developer may change the layout above, but no elements mentioned above, and the next section should be omitted. Note that the developer will be required to create a wireframe or mock-up, and this will be subject for approval of the systems analyst.

About

This page is also the home page. It must consist of:

- A banner that advertises the café.
- About section that provides a brief description of the café illustrated by a picture. The developer may use random text for the description.
- History section that provides a brief history of the café illustrated by a picture. The developer may use random text for the description.

Please see the diagram from the General Layout section for the sample.

Menu

The menu below must be displayed:

Meals		
Name	Price	Description
Beetroot and feta salad	\$15.00	Suitable for vegetarians, made with fresh beetroot
Sourdough Rye Sandwich	\$18.00	Cheese and salad sandwich made with organic, sourdough rye bread
Spinach Pie and Salad	\$20.00	Tasty pie with salad
Feta pancakes with salad	\$19.50	Tasty pancake filled with feta and salad

Note: An image must be displayed for each corresponding meal.

Beverages		
<i>Coffee and hot chocolates</i>		
Sizes	Price	Description
Small	\$3.50	For coffee, please inform the staff of the coffee type.
Regular	\$4.00	
Large	\$4.50	

<i>Other beverages</i>	
Name	Price
Soda	\$3.00
Fresh juice	\$6.00
Bottled water	\$2.00

All items above including the image filenames must come from an xml document with separate DTD file. For example: menu.xml and menu.dtd.

The developer may add more items but should not omit any items above.

Contact

This page will contain the following:

- Enquiry form to allow customer to request further information
- Address of each branch with contact number, opening hours and link to Google maps.

Enquiry Form

The user must enter all the following fields to enquire:

- First Name
- Last Name
- Email address
- Message subject
- Message body
- Submit button

Once the user clicks the submit button, the user must be notified that the message has been sent. It is not necessary to actually send the message to the recipient.

Branches

Address	Contact	Opening Hours
76 Devonshire St, Surry Hills NSW	02 9211 1234	Mon - Fri: 6:00 to 14:30, Sat-Sun: 7:00 to 15:00
451 Pitt St, Haymarket Sydney, NSW	02 9262 5678	Mon - Fri: 6:00 to 16:00, Sat-Sun: 7:00 to 15:00
31 Alfred Street, Circular Quay, NSW	02 8971 9101	Mon - Fri: 6:00 to 16:00, Sat-Sun: 7:00 to 15:00

The above information must be displayed including link to Google Maps. All items above must come from another xml document with separate DTD file. For example: branches.xml and branches.dtd.

The developer may add more items but should not omit any items above.

Privacy Policy

This page will contain the privacy policy of Bryan's Café since it collects information from users in the enquiry form. The privacy policy link should be located only in the footer as seen in the diagram above. When the user clicks it, the page should open a new tab.

References

Dynamic websites are to be created by following the procedures at:

<https://xbsoftware.com/blog/website-development-process-full-guide/>

The following security requirements for a website are to be adhered to:

<https://www.quicksprout.com/website-security/>

XML Documents are to be created by following the procedures at:

<https://www.lifewire.com/write-first-xml-document-3466592>