

Cognizant Academy

truYum

FSE Web UI Specification Document

Version 1.0

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1.0 Introduction

1.1 Purpose of this document

The purpose of this document is to define the user interface specification for truYum project.

1.2 Definitions & Acronyms

Definition / Acronym	Description
HTML	Hyper Text Markup Language
CSS	Cascading Style Sheet
RWD	Responsive Web Design
UX Design	User Experience Design

1.3 Project Overview

Refer truyum-user-stores.xlsx for understanding the functionality and features.

1.4 Scope

Develop static HTML web pages for truYum application.

1.5 Intended Audience

- Product Owner
- Scrum Master
- Application Architect
- Project Manager
- Test Manager
- Development Team
- Testing Team

1.6 Hardware and Software Requirement

1. Hardware Requirement:

- a. Developer Desktop PC with 8GB RAM
- 2. Software Requirement
 - a. Notepad ++ for editing HTML and CSS
 - b. Chrome Browser

2.0 Forking and Cloning

Project to fork:

<https://code.cognizant.com/genc-java/truyum-ui-template>

3.0 Images

Use free stock images from the following website:

<https://unsplash.com/>

NOTE: Do not download images and place them in the project folder as this will unnecessarily increase the project size. Refer the direct internet URL of the image in the 'src' attribute of image.

4.0 Fonts

Use google fonts for the web page.

<https://fonts.google.com/>

NOTE: Do not download fonts and place them in the project folder as this will unnecessarily increase the project size. Refer the direct internet URL of the font.

5.0 Icons

Use google material icons.

6.0 RWD and UX Design (TYUS001 and

TYUS002)

Bootstrap 4 has to be used for responsive web design. For good user experience refer the layouts specified in this document.

7.0 Header and Footer

Header and Footer should be uniformly applied across all screens as specified below.

7.1 Header for Anonymous User

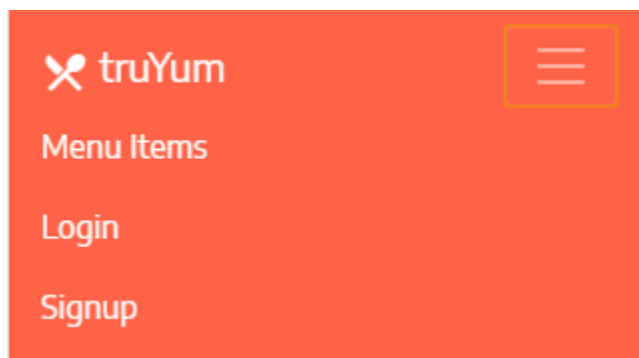
7.1.1 Desktop



7.1.1 Mobile (Collapsed Menu)



7.1.1 Mobile (Expanded Menu)



Navbar Item	Links to
Menu Items	menu-item-list.html
Login	login.html
Signup	signup.html

7.2 Header After Login

7.2.1 Desktop

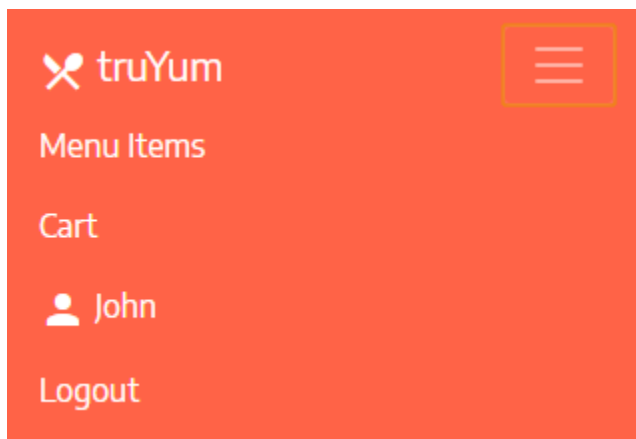


The name John should dynamically based on the logged in user.

7.2.2 Mobile (Collapsed Menu)



7.2.3 Mobile (Expanded Menu)



Navbar Item	Links to
Menu Items	menu-item-list-admin.html
Cart	cart.html
Logout	menu-item-list.html

7.1 Footer

7.1.1 Desktop



7.1.2 Mobile (Collapsed Menu)

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8.0 View Menu Item List

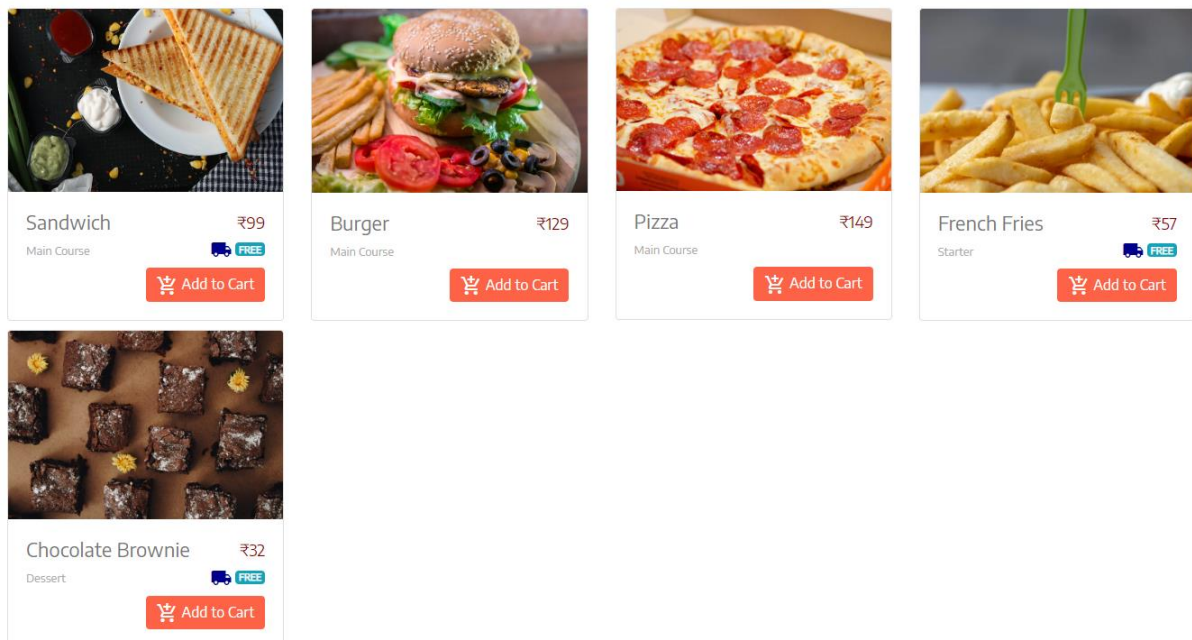
8.1 Menu Item List Anonymous & Customer (TYUS003 & TYUC002)

Displays the list of menu items for Anonymous user and Customer.

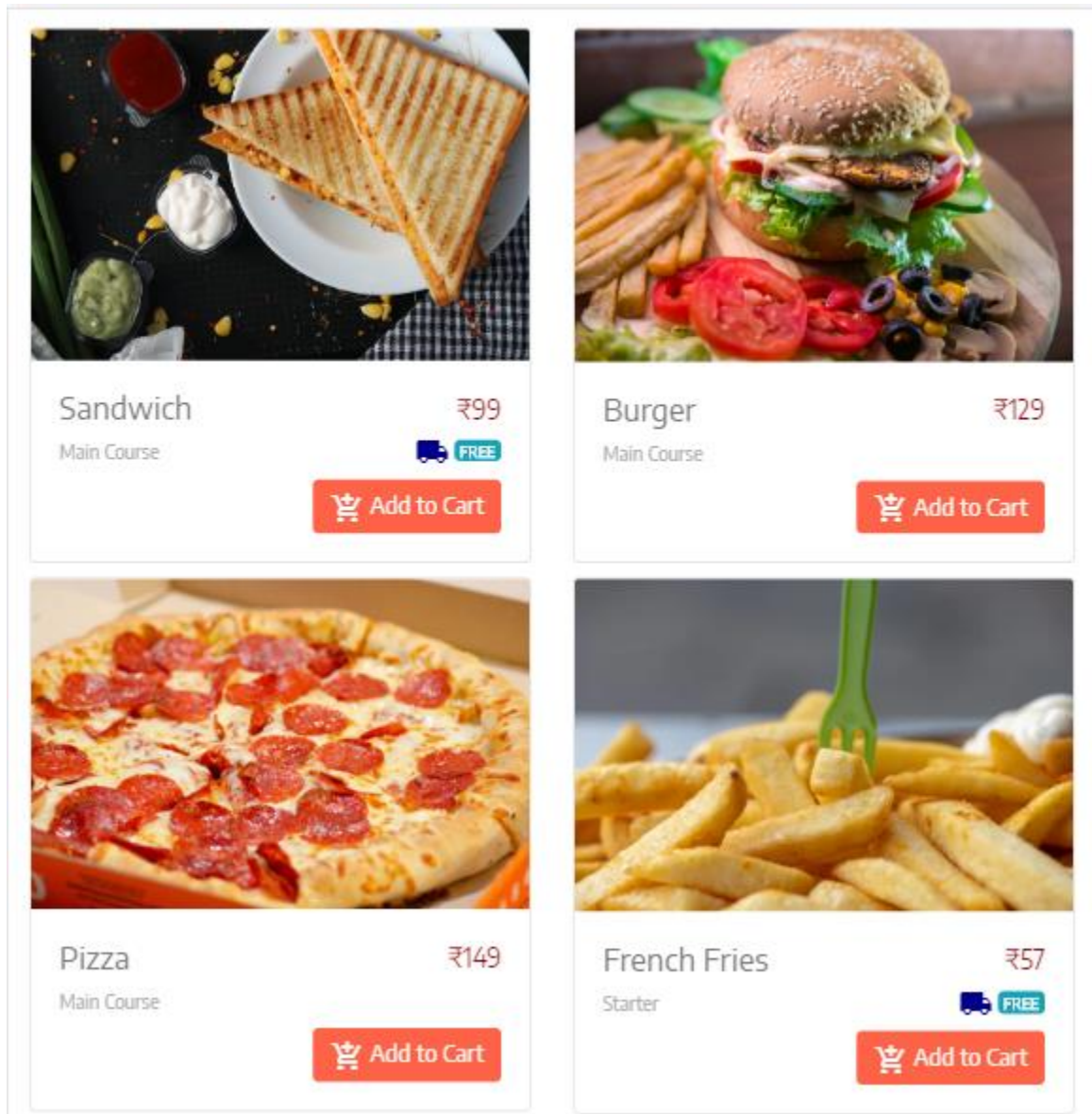
File (Anonymous User): truyum-ui-template/menu-item-list.html

File (Customer): truyum-ui-template/menu-item-list-customer.html

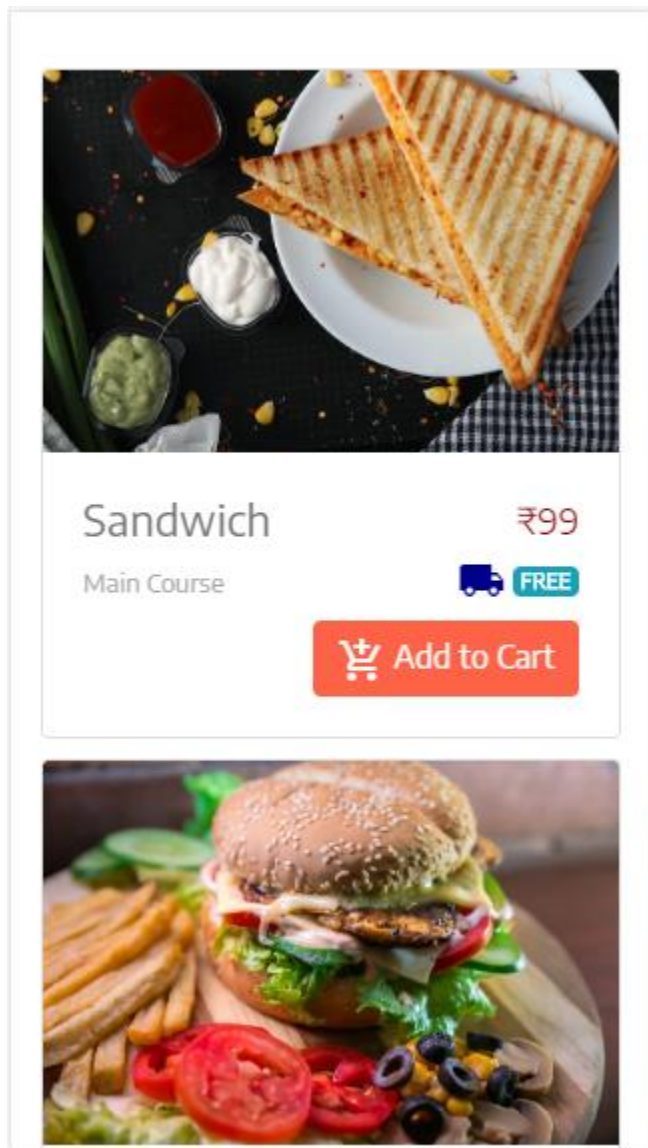
8.1.1 Desktop



8.1.1 Tablet



8.1.2 Mobile



Field Specification

The menu items are listed in table kind of structure. Find below the specification for each column in the Menu Item List table.

Field Name	Field Type	Description
Name	Label	Displays the title of the menu item
Price	Label	Display the price of the menu item in currency format with two decimal places. Should include the currency symbol as well.
Active	Label	Display 'Yes' or 'No' based on whether the item is in stock or not
Date of Launch	Label	Display date of expiry in DD/MM/YYYY format

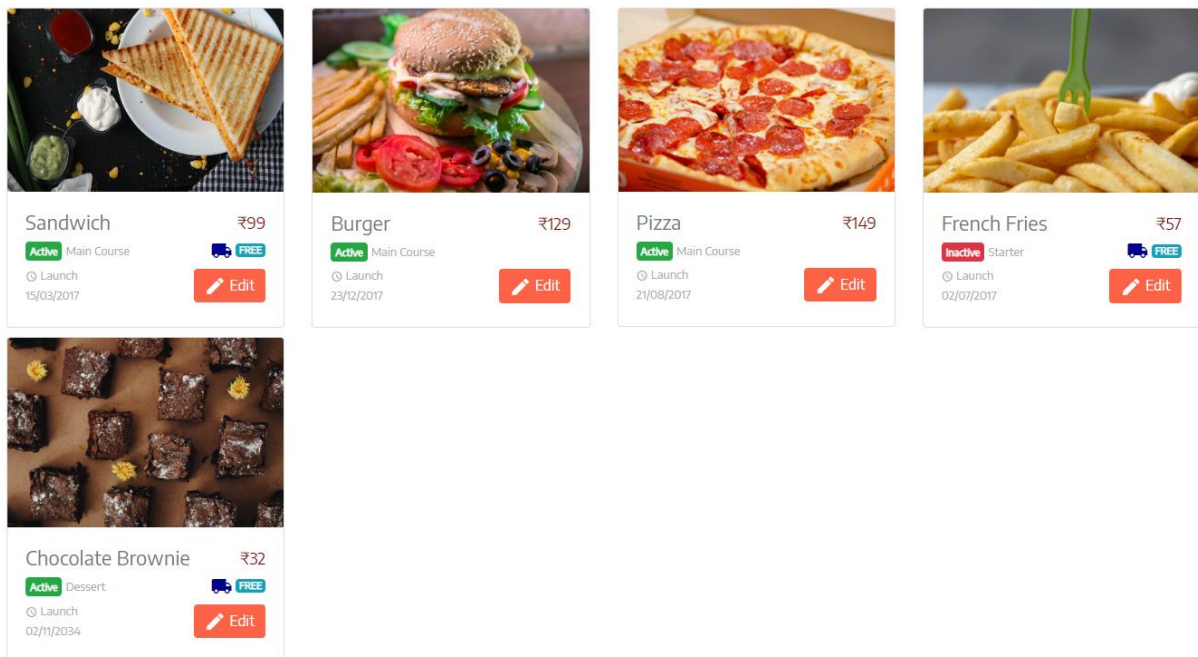
Category	Label	Displays the category of the menu item
Free Delivery	Label	Display 'Yes' or 'No' based the respective menu item delivery status
Add to Cart	Link	If user is logged in display login.html, else display success message (refer TYUC004)

8.2 Menu Item List Admin (TYUC001)






Displays the list of menu items for admin with edit option.

File: truyum-ui-template/menu-item-list-admin.html

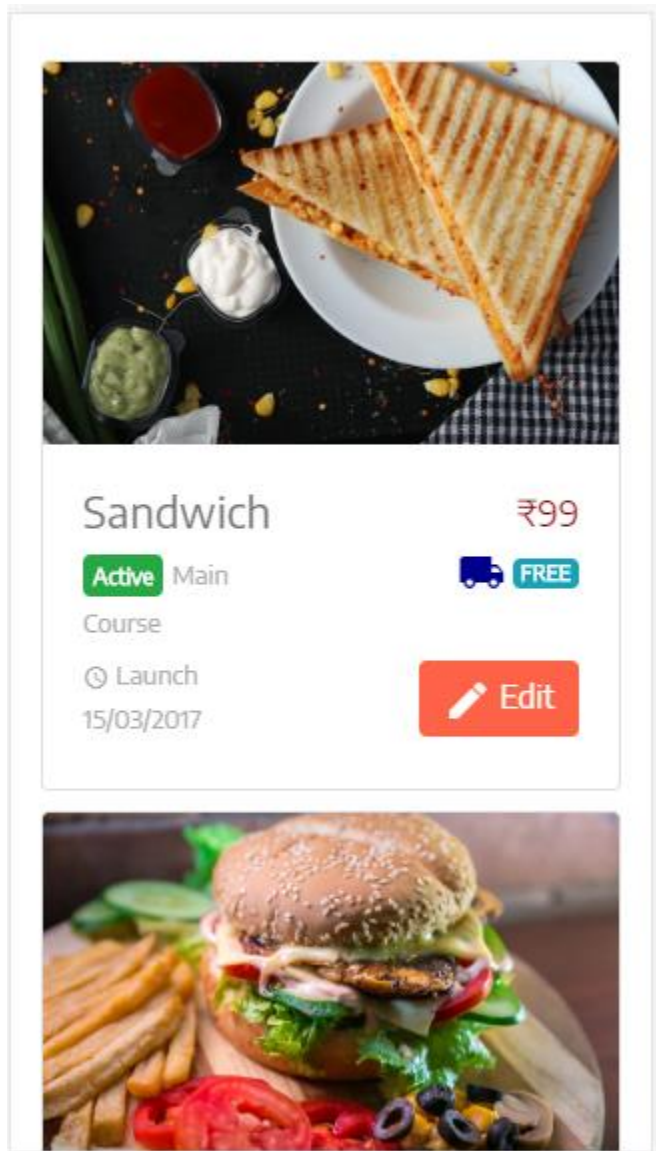
8.2.1 Desktop



8.2.1 Tablet

	
<div><div>Sandwich</div><div>₹99</div><div><div>Active</div>Main Course</div><div><div>🚚</div>FREE</div><div>🕒 Launch 15/03/2017</div><div>Edit</div></div>	<div><div>Burger</div><div>₹129</div><div><div>Active</div>Main Course</div><div><div>🚚</div>FREE</div><div>🕒 Launch 23/12/2017</div><div>Edit</div></div>
	
<div><div>Pizza</div><div>₹149</div><div><div>Active</div>Main Course</div><div><div>🕒 Launch 21/08/2017</div><div>Edit</div></div></div>	<div><div>French Fries</div><div>₹57</div><div><div>Inactive</div>Starter</div><div><div>🚚</div>FREE</div><div>🕒 Launch 02/07/2017</div><div>Edit</div></div>
	

8.2.1 Mobile



Field Specification

Field Name	Field Type	Description
Name	Label	Displays the title of the menu item
Price	Label	Display the price of the menu item in currency format with two decimal places. Should include the currency symbol as well.
Category	Label	Displays the category of the menu item
Free Delivery	Label	Display 'Yes' or 'No' based the respective menu item delivery status
Action	Link	Display 'Add to Cart' link, it displays the same page with notification message that the Menu Item is added into the cart or not

9.0 Search Menu Item (TYUS004)

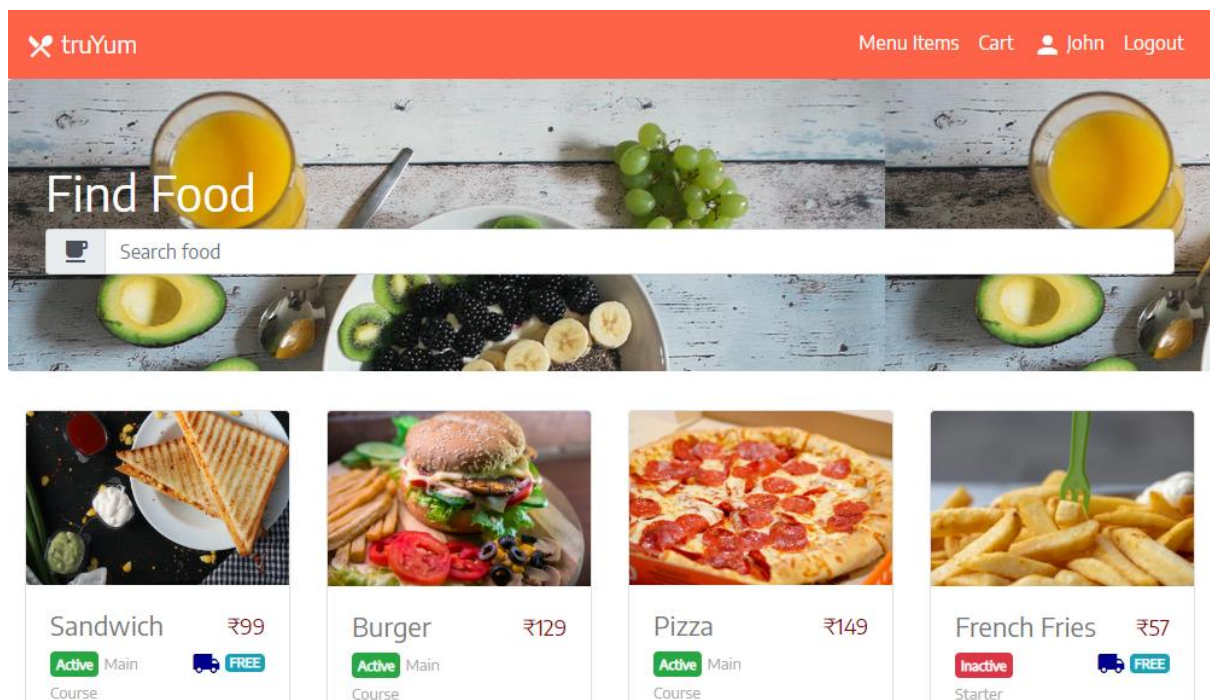
This search bar needs to be included in all the screens where menu items are listed.

File: truyum-ui-template/menu-item-list.html

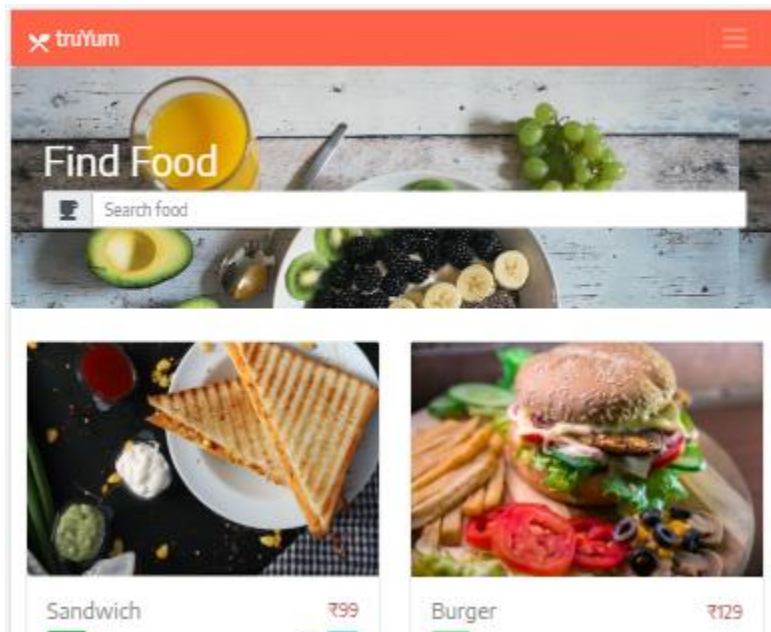
File: truyum-ui-template/menu-item-list-customer.html

File: truyum-ui-template/menu-item-list-admin.html

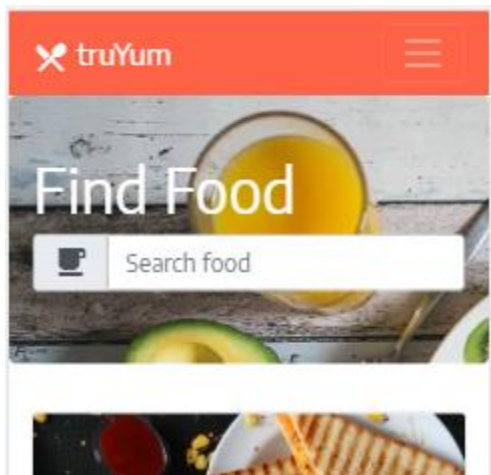
9.1.1 Desktop



9.1.2 Tablet



9.1.3 Mobile



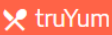

10.0 Edit Menu Item (TYUC003)

10.1 Edit Menu Item

Screen with form fields to edit the menu item details. This page is arrived by clicking the Edit link in menu-item-list-admin.html.

File: `truyum-ui-template/edit-menu-item.html`


10.1.1 Desktop

Menu Items John Logout

Edit Menu Item

Item Name

PriceDate of LaunchCategoryActive



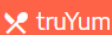

☐ Yes ☐ No

☐ Free Delivery

Save

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File: truyum-ui-template/edit-menu-item-validation.html


Menu Items John Logout

Edit Menu Item

Item Name

Item Name is required
Item Name cannot exceed 200 characters

PriceDate of LaunchCategoryActive



☐ Yes ☐ No
Select in stock status.

Price is required
Price can only contain numbers.

Incorrect date format.



Select at least one category.

☐ Free Delivery

Save

Copyright 2019

10.1.2 Tablet




Edit Menu Item

Item Name

Price

Date of Launch



Category

Active

☐ Yes ☐ No

☐ Free Delivery

Copyright 2019


10.1.3 Mobile

Edit Menu Item

Item Name

Price

Date of Launch



Category

Active

☐ Yes ☐ No

☐ Free Delivery

Save

Field Specification

Field Name	Field Type	Name in HTML	Validation Message
Item Name	Text Box	title	<ul style="list-style-type: none">Item Name is required.Item Name cannot exceed 200 characters.
Price	Text Box	price	<ul style="list-style-type: none">Price is required.Price has to be a number.
Date of Launch	Text Box	dateOfLaunch	<ul style="list-style-type: none">Date of Launch is required
Active	Radio Buttons	active	

Category	Drop Down List	category	<ul style="list-style-type: none"> Select one category
Free Delivery	Checkbox	freeDelivery	
Save	Submit	submit	Button used by user to submit the form for saving a Menu Item. Above mentioned validations needs to be done on click of this button. The message needs to be displayed using JavaScript alert.

10.2 Edit Menu Item Status

Display the status of submission of edit menu item form. This page is arrived after clicking save in `edit-menu-item.html`.

File: `truyum-ui-template/edit-menu-item-success.html`



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11.0 Add to Cart (TYUC004)

11.1 Menu Item List Customer (Add to Cart success)

Customer can add a menu item to Cart by clicking “Add to Cart” link in `menu-item-list-customer.html`. On clicking this link a page similar to Menu Item List page is displayed with the message that the Menu Item has been added to the cart successfully. The below layout specifies the layout for the specific menu item that has been added by the user to the cart. Similar layout needs to be provided on each respective menu item click. Include respective message in one menu item as part of completion of this web page.

File: `truyum-ui-template/menu-item-list-customer-add-to-cart.html`



Sandwich

₹99

Active Main Course

 **FREE**

Item added successfully.

 Launch
15/03/2017

 Add to Cart

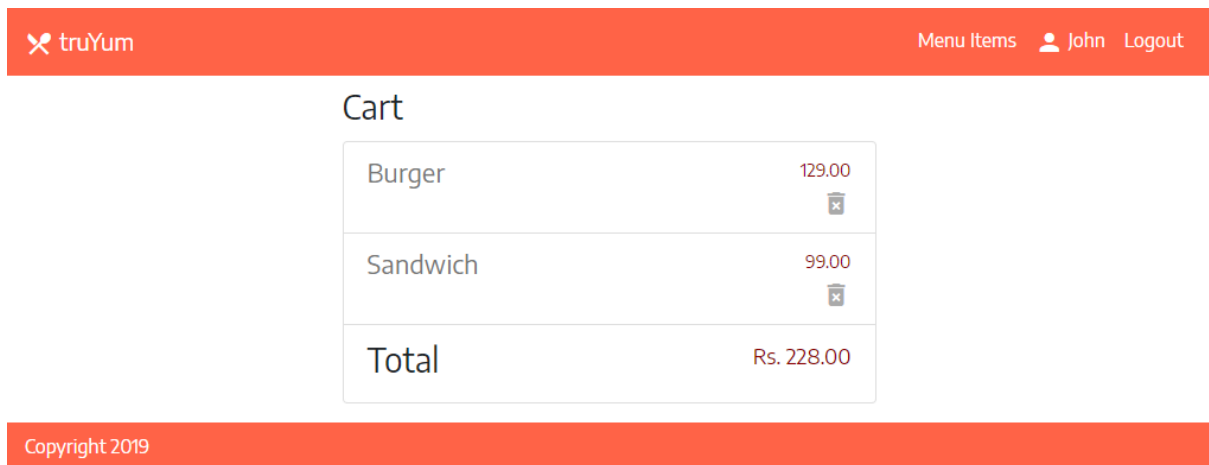
12.0 View Cart (TYUC005)

12.1 Cart

Displays the list of items added to the cart. This screen is arrived based on the navigation link in the top of the screen from `menu-item-list-customer.html`.

File: `truyum-ui-template/cart.html`

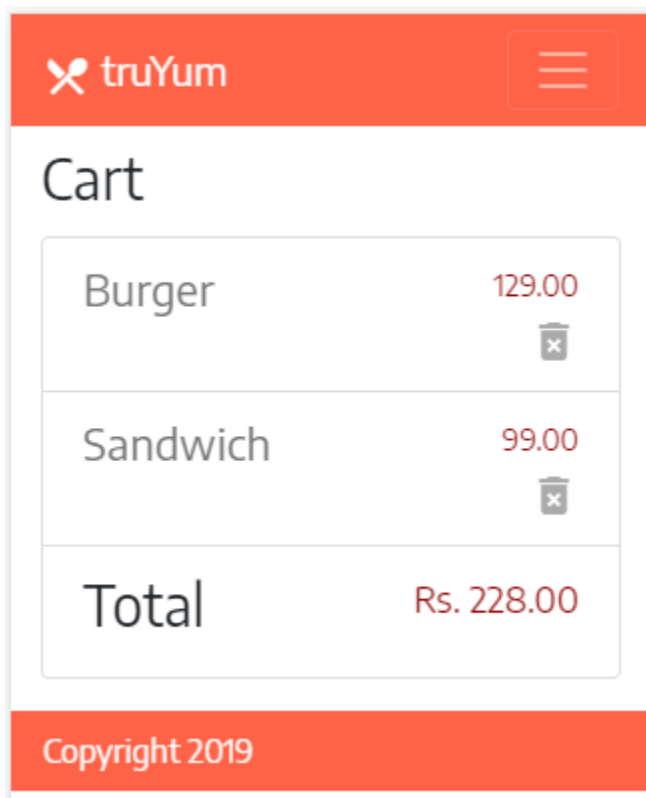
12.1.1 Desktop



12.1.2 Tablet



12.1.1 Mobile



Field Specification

Field Name	Field Type	Description
Name	Label	Displays the title of the menu item
Free Delivery	Label	Display 'Yes' or 'No' based the respective menu item delivery status
Price	Label	Display the price of the menu item in currency format with two decimal places. Should include the currency symbol as well.
Delete	Link	Display 'Delete' link, which displays the same page with notification message that the item is deleted from the Cart successfully.

12.1 Cart Empty

Displays the view when there are no items in the cart. The Menu Item List link in the message should point to `menu-item-list-customer.html`.

File: `truyum-ui-template/cart-empty.html`

Cart

No items in cart. Use 'Add to Cart' option in menu item list.


13.0 Remove item from Cart (TYUC006)

13.1 Remove Cart

When Customer click 'Delete' link in `cart.html`, this page is displayed with the message that the item had been removed from the Cart successfully.

File: `truyum-ui-template/cart-notification.html`

The screenshot shows the trYum application interface. At the top, there is a navigation bar with the trYum logo, 'Menu Items', a user profile icon labeled 'John', and a 'Logout' link. Below the navigation bar, the page title 'Cart' is displayed. A green notification box states 'Cart item deleted successfully.' Below this, a table shows the current cart contents:

Sandwich	99.00
	
Total	Rs. 99.00

At the bottom of the page, a footer bar contains the text 'Copyright 2019'.

14.0 Signup (TYUS006)

14.1 Signup

Customer signup into trYum application using this option.

14.1.1 Desktop

The screenshot shows the trYum application interface for the desktop version. At the top, there is a navigation bar with the trYum logo, 'Menu Items', 'Login', and 'Signup' links. Below the navigation bar, the page title 'Signup' is displayed. The form contains the following fields:

- Username:
- First Name:
- Last Name:
- Password:
- Confirm Password:

A red 'Signup' button is located at the bottom of the form. At the bottom of the page, a footer bar contains the text 'Copyright 2019'.

14.1.1 Tablet

truYum

Signup

Username

First Name

Last Name

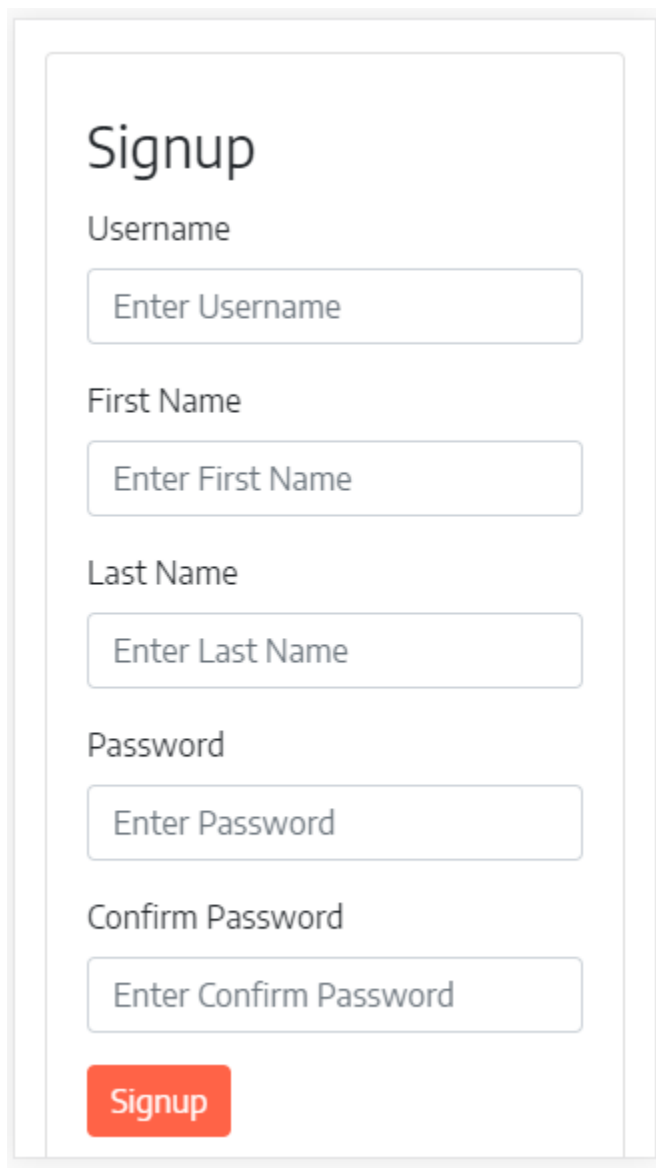
Password

Confirm Password

Signup

Copyright 2019

14.1.1 Mobile



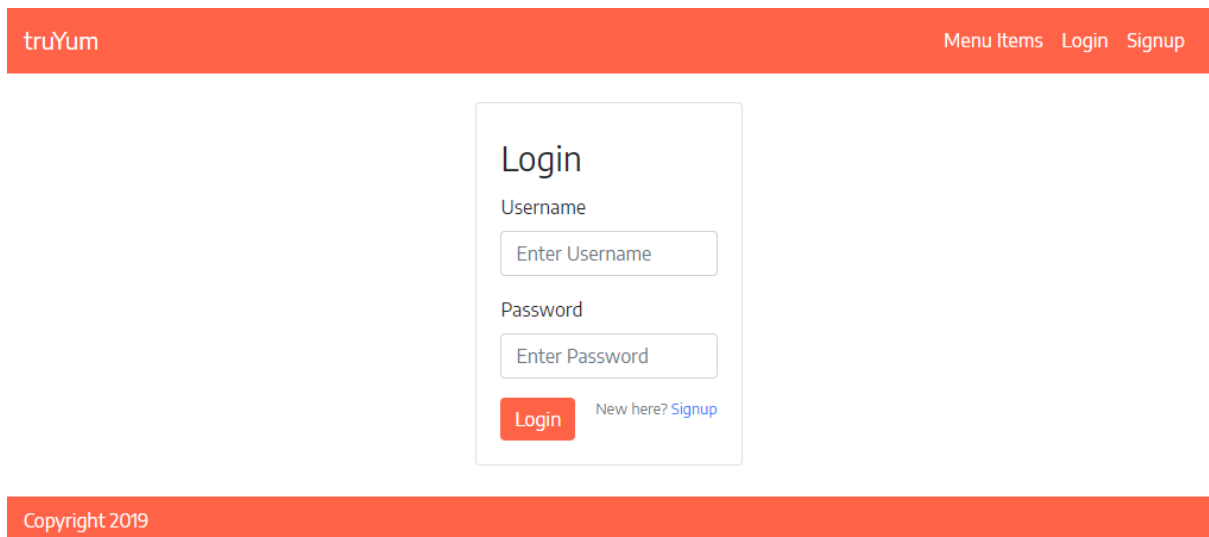
A mobile app mockup of a 'Signup' screen. The screen has a white background with a light gray border. At the top, the word 'Signup' is displayed in a large, dark gray font. Below it, there are five input fields, each with a label above it: 'Username', 'First Name', 'Last Name', 'Password', and 'Confirm Password'. Each input field is a rounded rectangle with a light gray border and contains the placeholder text 'Enter [field name]'. At the bottom of the form, there is a red rectangular button with the word 'Signup' in white text.

15.0 Login (TYUS007)

15.1 Login

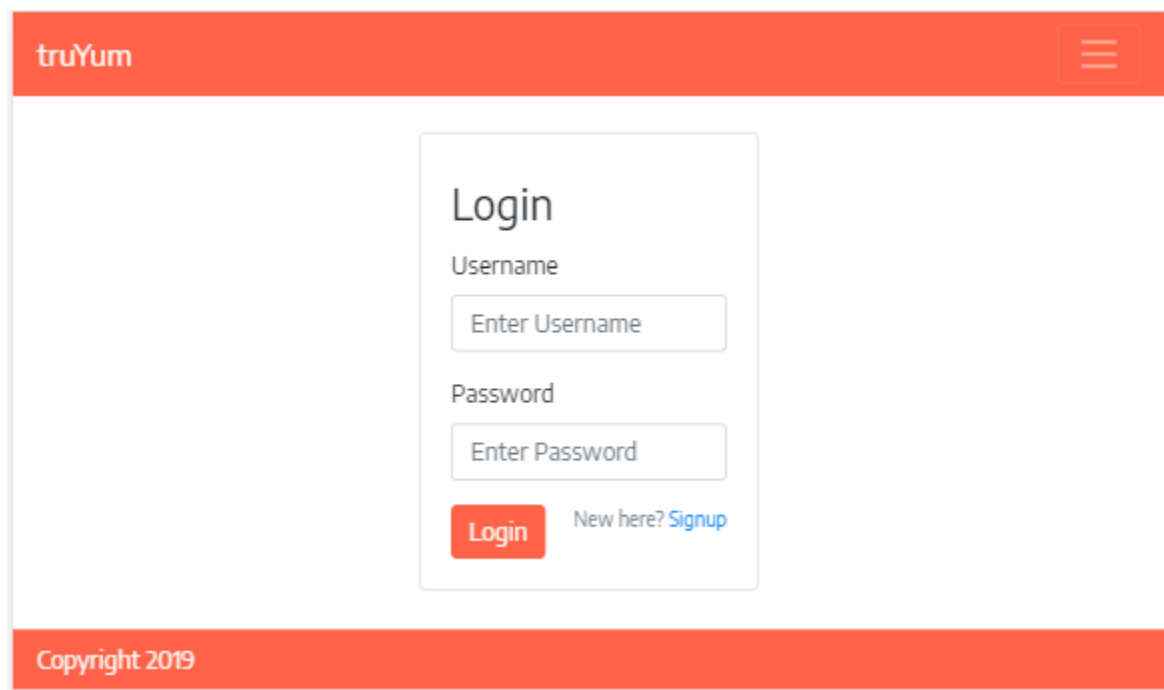
This screen will be used by admin and customer to login.

15.1.1 Desktop



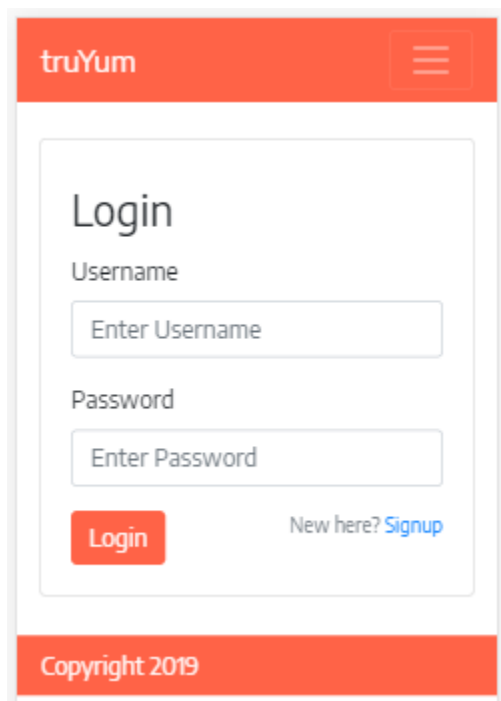
The desktop view of the truYum login page features a wide orange header bar. On the left, the 'truYum' logo is displayed. On the right, there are links for 'Menu Items', 'Login', and 'Signup'. The main content area is white and contains a centered login form. The form has a title 'Login', a 'Username' label with a text input field containing 'Enter Username', a 'Password' label with a text input field containing 'Enter Password', and a red 'Login' button. A link 'New here? Signup' is located to the right of the button. The footer is an orange bar with the text 'Copyright 2019' on the left.

15.1.2 Tablet



The tablet view of the truYum login page shows the orange header bar with the 'truYum' logo on the left and a hamburger menu icon on the right. The login form is centered and contains the same elements as the desktop view: 'Login' title, 'Username' label and input field, 'Password' label and input field, a red 'Login' button, and a 'New here? Signup' link. The footer is an orange bar with 'Copyright 2019' on the left.

15.1.3 Mobile



The image shows a mobile application interface for 'truYum'. At the top is an orange header bar with the 'truYum' logo on the left and a hamburger menu icon on the right. Below the header is a white login form. The form has a title 'Login' in bold. It contains two input fields: 'Username' with a placeholder 'Enter Username' and 'Password' with a placeholder 'Enter Password'. Below the password field is an orange 'Login' button. To the right of the button is a link that says 'New here? Signup'. At the bottom of the app is an orange footer bar with the text 'Copyright 2019'.

15.1.1 Validations (TYUS005)

The message “Please login before adding an item to Cart” should be displayed when “Add to Cart” button is clicked without login.

truYum

Login

Please login before adding an item to Cart.

Invalid Username / Password

Username

Enter Username

Username is required

Password

Enter Password

Password is required

Login

New here? [Signup](#)

16.0 Logout (TYUS008)

Clicking on the logout link should display `menu-item-list.html`.

17.0 Standards and Guidelines

17.1 HTML

1. Place all HTML files under WebContent folder.
2. HTML5 semantic tags has to be used wherever applicable. Avoid using div tags for header, footer, article and navigation bar.

- Document Type should be defined as
`<!DOCTYPE html>`
- Form fields must always include a `<label>` element with a "for" attribute matching the "id".
`<label for="field-email">email</label>`
`<input type="email" id="field-email" name="email" value="" />`
- Each form field should have "name" attribute.
- All tag names and attributes must be written in lowercase.
- Inline style should be never used. Style should be in an external CSS and should be linked to the document.
- Add one more tab on the next line after opening a tag
- Reduce one tab on line when tag is closed

17.2 CSS

- CSS files names should be `style.css`
- CSS files should be placed in `style` folder.
- Feel free to change the Background Color, Font, Font Size and Font Color of the screen. But it should be applied consistently across screens using CSS. Following are the element in the screen that can be targeted for style change:
 - Navigation Bar
 - Page Heading
 - Form Elements
 - Messages
- Reuse styles wherever applicable. Potential areas are Application Name, Page Title, Form Fields and Buttons
- Selector names should be in lower case with words separated by hyphen.

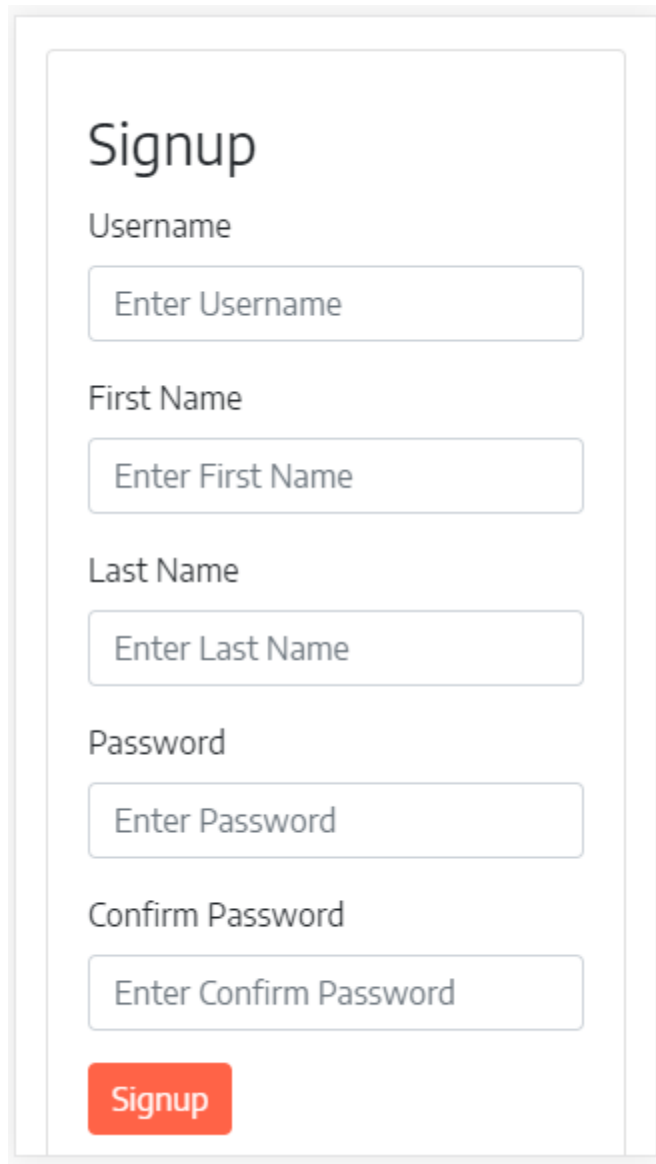
```
.page-title {
    margin: 20px;
}
```
- Selector class names should be relevant to the purpose of the element where the style is applied. For example if common style needs to be applied for all text boxes in an application.
- Properties should be followed by a colon and a space
- Properties and values should be in lower case
- Use hexadecimal code for color definition
Example:

```
.login-form {
    background: #fdfdfd;
    display: block;
    margin: 0;
    margin-left: 20px;
}
```

17.3 Bootstrap (RWD and UX)

- Do not use `<p>` or `
` for spacing between elements. Use `mb-0`, `mb-1`, `mb-2`, etc. for bottom margin and `mt-0`, `mt-1`, `mt-2`, etc. for top margin.

2. Avoid using bootstrap tables, as table data will not be responsive in mobile devices.
3. When designing screens ensure that equal spacing is provided between elements vertically. Refer example below, spacing between elements, the padding applied around are uniform:



Signup

Username

Enter Username

First Name

Enter First Name

Last Name

Enter Last Name

Password

Enter Password

Confirm Password

Enter Confirm Password

Signup

4. When designing user interface for viewing data, do not use labels and values, convey the visual details and actions using icons, font size, font color, badge and other components available in bootstrap.

Examples:

- a. For displaying Date of Birth, we can display a birthday icon adjacent to the date instead of having the label "Date of Birth"
 - b. Instead of having a button with label delete, there can be an trash icon.
5. Design should concentrate on user experience

6. Make the design clear and simple

18.0 Submission

18.1 Code submission instructions

Use git add, commit and push commands to upload your code into remote GitLab repository.

During commit, give the commit message as “bootstrap”.

19.0 Change Log

	Changes Made			
V1.0.0	Initial baseline created on <dd-Mon-yy> by <Name of Author>			
Vx.y.z	<Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed>			
	Section No.	Changed By	Effective Date	Changes Effected