

Lab No	Practical																				
1	<b>Exploring Popular Websites to Understand Web Design Basics</b> <div>1. Open the following websites using a desktop or laptop browser:<div><div>a. www.flipkart.com</div><div>b. www.myntra.com</div><div>c. www.irctc.co.in</div></div></div> <div>2. Observe and note the following design aspects for each website:<div><div>a. Page layout structure: header, navigation bar, main content, footer</div><div>b. Use of images, text, colors, fonts, and white space</div><div>c. Placement of buttons and links</div><div>d. Mobile vs Desktop view (optional: use browser inspect tool or a mobile device)</div><div>e. Responsiveness and user-friendly elements</div></div></div> <div>3. Prepare a comparative report or table mentioning:<div><div>a. Features you liked/disliked</div><div>b. Which website had the best design and why</div><div>c. What design ideas or components you would reuse in your own website</div></div></div>																				
2	<b>Case Study on the basic Internet Protocol.</b> <div>1. Understanding Internet and Web.(A)</div> <div>2. Explore different web browsers and search engines.(A)</div> <div>3. Identify and explain common internet protocols (HTTP, HTTPS, FTP).(B)</div> <div>4. Understanding HTTP requests and responses.(B)</div> <div>5. Demonstrate client-server communication using HTTP requests (GET, POST).(C)</div> <div>6. Demonstrate HTTP Response Status Codes.(C)</div>																				
3	<b>Demonstrate HTML Organizing tags</b> <div>1. Create an HTML page that demonstrates the use of text formatting tags such as &lt;b&gt;, &lt;i&gt;, &lt;u&gt;, &lt;strong&gt;, and &lt;em&gt;.(A)</div> <div>2. Design a webpage that displays mathematical and chemical expressions using &lt;sup&gt; and &lt;sub&gt; tags (e.g., H&lt;sub&gt;2&lt;/sub&gt;O, x&lt;sup&gt;2&lt;/sup&gt;).(B)</div> <div>3. Create an HTML document that shows the use of &lt;pre&gt; and &lt;code&gt; tags to display preformatted text or code snippets exactly as typed.(C)</div>																				
4	<b>Demonstrate HTML tags and HTML controls</b> <div>1. Design a webpage that organizes content using different heading tags (&lt;h1&gt; to &lt;h6&gt;) and &lt;p&gt; for paragraphs.(A)</div> <div>2. Address, B, U, I, Blockquote, Marquee, Link, Meta.(A)</div> <div>3. Anchor tag, Image control.(B)</div> <div>4. Iframe tag.(B)</div> <div>5. List controls.(C)</div>																				
5	<b>Make the table of the following design using HTML.</b> <b><u>Part : A</u></b> <table><tr><th>FullName</th><th>Email</th><th>Mobile Number</th><th>City</th></tr><tr><td>Yash Patel</td><td>yash_patel@gmail.com</td><td>8787989811</td><td>Rajkot</td></tr><tr><td>Keyur Tanna</td><td>keyur1441@rediffmail.com</td><td>8874123210</td><td>Ahmedabad</td></tr><tr><td>Harsh Panchal</td><td>harsh_panchal@yahoo.com</td><td>9855621232</td><td>Surat</td></tr><tr><td>Jigar Makadiya</td><td>jmakadiya@gmail.com</td><td>7874636211</td><td>Baroda</td></tr></table>	FullName	Email	Mobile Number	City	Yash Patel	yash_patel@gmail.com	8787989811	Rajkot	Keyur Tanna	keyur1441@rediffmail.com	8874123210	Ahmedabad	Harsh Panchal	harsh_panchal@yahoo.com	9855621232	Surat	Jigar Makadiya	jmakadiya@gmail.com	7874636211	Baroda
FullName	Email	Mobile Number	City																		
Yash Patel	yash_patel@gmail.com	8787989811	Rajkot																		
Keyur Tanna	keyur1441@rediffmail.com	8874123210	Ahmedabad																		
Harsh Panchal	harsh_panchal@yahoo.com	9855621232	Surat																		
Jigar Makadiya	jmakadiya@gmail.com	7874636211	Baroda																		

Department	1st Year		2nd Year		3rd Year		4th Year	
	First Sem	Second Sem	Third Sem	Fourth Sem	Fifth Sem	Sixth Sem	Seventh Sem	Eighth Sem
Computer Engineering	CPU	WS	COA	OS	DAA	SE	CC	DS
	EG	ECE	DLD	DBMS	CN	WAD	CD	PP
Information Technology	CS	EME	BIS	OOAD	COSAM	SP	ERP	ACN
	Calculus	EEE	BE	SAD	SEMINAR	IS	MC	AI

**Part : B**

Batatas	Couves	Alhos	Cebolas
Nabos		Alface	

**Part : C**

A				D		E	
				F		G	
				H		I	
B				J		K	
C				L			
SL	Items	Due Dt	Qty	Rate	Per	Dis%	Amt
AMT IN WORD				E. & O.E			
COMPANY NAME							

6 Design a web page having given forms.

**Part : A**

## Student Registration

FullName	<input type="text"/>
Email	<input type="text"/>
Mobile No	<input type="text"/>
Address	<input type="text"/>
Nationality	<input type="text"/>
Date Of Birth	<input type="text" value="dd-mm-yyyy"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Highest Degree	<input type="text" value="Select Degree"/>
CPI	<input type="text"/>
University	<input type="text"/>
Passing Year	<input type="text" value="Select Your Passing Year"/>
<input type="button" value="Submit"/> <input type="button" value="cancel"/>	

## COVID-19 Vaccine Registration Form

First Name	<input type="text"/>
Last Name	<input type="text"/>
Aadhar Number	<input type="text"/>
Vaccine Name	<input type="text" value="Please Select Vaccine Name"/>
Vaccination Center Name	<input type="text" value="Please Select Vaccination Center Name"/>
Date of Dose	<input type="text" value="dd-mm-yyyy"/>
Dose Number	<input type="text"/>
<input type="button" value="CLICK HERE"/> <input type="button" value="CANCEL"/>	

### Part : B

## Employee Registration

### Personal Information

Employee Id	:	<input type="text" value="Enter Employee Id"/>	Employee Name	:	<input type="text" value="Enter Employee Name"/>
Email	:	<input type="text" value="Enter Email"/>	Contact No	:	<input type="text" value="Enter Contact No"/>
Marital Status	:	<input type="radio"/> Single <input type="radio"/> Married			

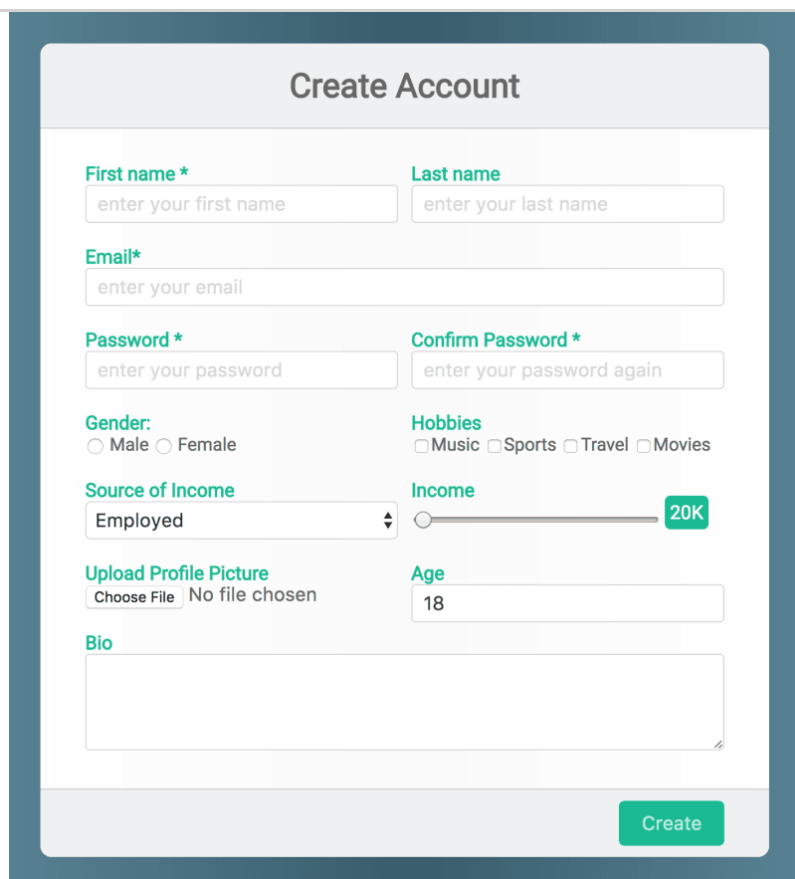
### Education Qualification

Education	:	<input type="text" value="Enter Education details"/>	Experience	:	<input type="text" value="Enter Experience Details"/>
-----------	---	--	------------	---	---

### Job Details

Designation	:	<input type="text" value="Enter Designation details"/>	Job location	:	<input type="text" value="Enter Job Location"/>
Salary	:	<input type="text" value="Enter Salary details"/>			

### Part : C



The image shows a 'Create Account' form with the following fields and controls:

- First name \***: Text input field with placeholder 'enter your first name'.
- Last name**: Text input field with placeholder 'enter your last name'.
- Email\***: Text input field with placeholder 'enter your email'.
- Password \***: Text input field with placeholder 'enter your password'.
- Confirm Password \***: Text input field with placeholder 'enter your password again'.
- Gender:** Radio buttons for Male and Female.
- Hobbies**: Checkboxes for Music, Sports, Travel, and Movies.
- Source of Income**: Dropdown menu with 'Employed' selected.
- Income**: Slider control ranging from 0 to 20K.
- Upload Profile Picture**: File upload button with text 'Choose File' and 'No file chosen'.
- Age**: Text input field with value '18'.
- Bio**: Text area for a bio description.
- Create**: Green button to submit the form.

**7 Apply Meta tags and Multimedia tags.**

1. Create a simple HTML webpage that uses basic meta tags such as description, keywords, author, and viewport.
2. Design a webpage that implements meta tags to automatically refresh after a few seconds, and specify the character encoding using the charset meta tag.
3. Develop a webpage that embeds an audio file using the <audio> tag with controls, autoplay, and loop attributes.
4. Design an HTML page that displays a video using the <video> tag with features like controls, poster image, and multiple source formats.
5. Create a webpage that demonstrates the use of <embed>, <object>, and <iframe> tags to display external multimedia content like PDFs, YouTube videos, and interactive maps.

**8 Demonstrate HTML5 Semantic Tags and Form Validations**

1. Create an HTML5 page using semantic tags like <header>, <nav>, <main>, <article>, <section>, and <footer> to structure the layout of a simple website. (A)
2. Develop a contact form using HTML5 form elements such as <input type="email">, <input type="tel">, <input type="date">, and <textarea>. (A)
3. Create an HTML form with fields like Name, Email, and Phone Number using the required attribute to ensure the user cannot submit without filling them. (B)
4. Design a registration form that uses type="email", type="number" and pattern attributes to validate email format, number ranges, and custom patterns (e.g., password rules). (B)  
Create a feedback form where minlength, maxlength, min, and max attributes are used to control input length and numerical value range. (C)

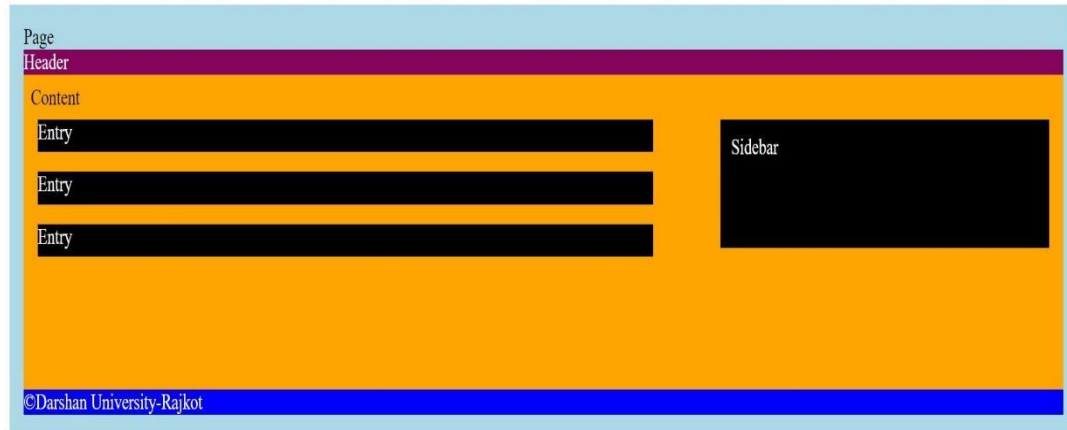
**9 Demonstrate the selectors.**

1. Create an HTML page that applies different styles using basic CSS selectors: element selector (p), class selector (.className), and ID selector (#idName). (A)
2. Design a webpage that applies common styles to multiple elements using the group selector (h1, p), universal selector (\*), and descendant selector (div p). (B)
3. Create a webpage that shows the use of:

- Child Selector (`ul > li`)
- Adjacent Sibling Selector (`h2 + p`)
- Attribute Selector (`input[type="text"]`) to target specific elements and apply CSS rules. (C)

10 **Design the given web pages using the div tag and CSS properties.**

**Part: A**

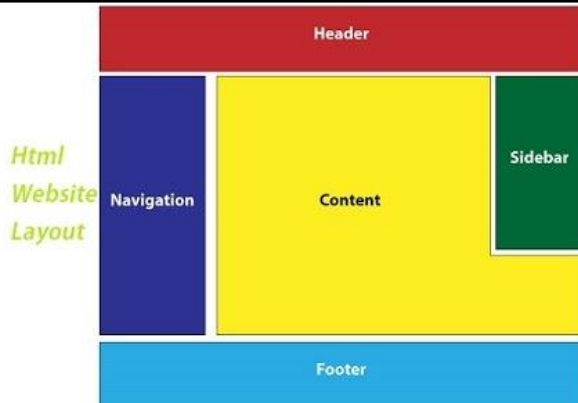


**Part: B**



**Part: C**

**Subject:** 2301CS202 – Web Designing



11 **Build a following Personal portfolio webpage using HTML and CSS.**

**Part: A**



[Home](#) [About](#) [Services](#) [My Work](#) [Contact](#)



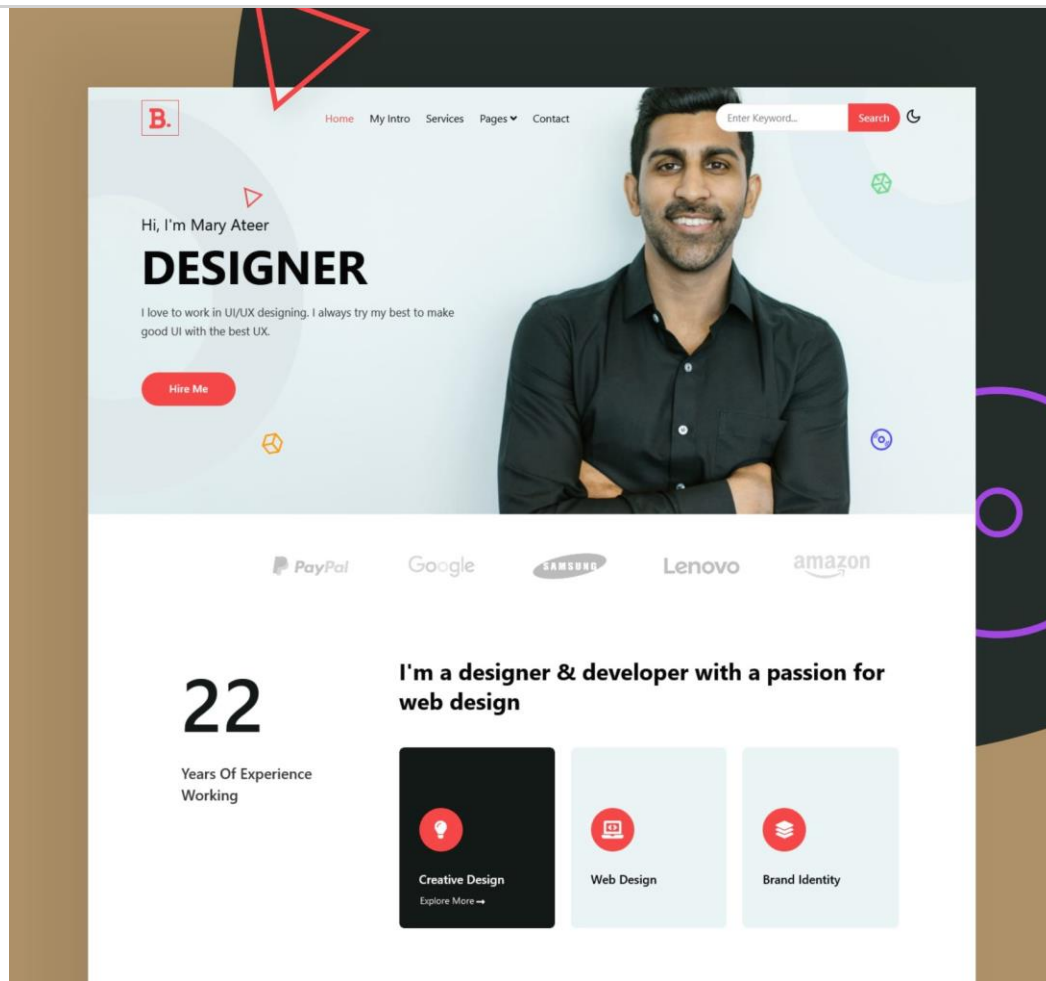
Program 1

Program 2

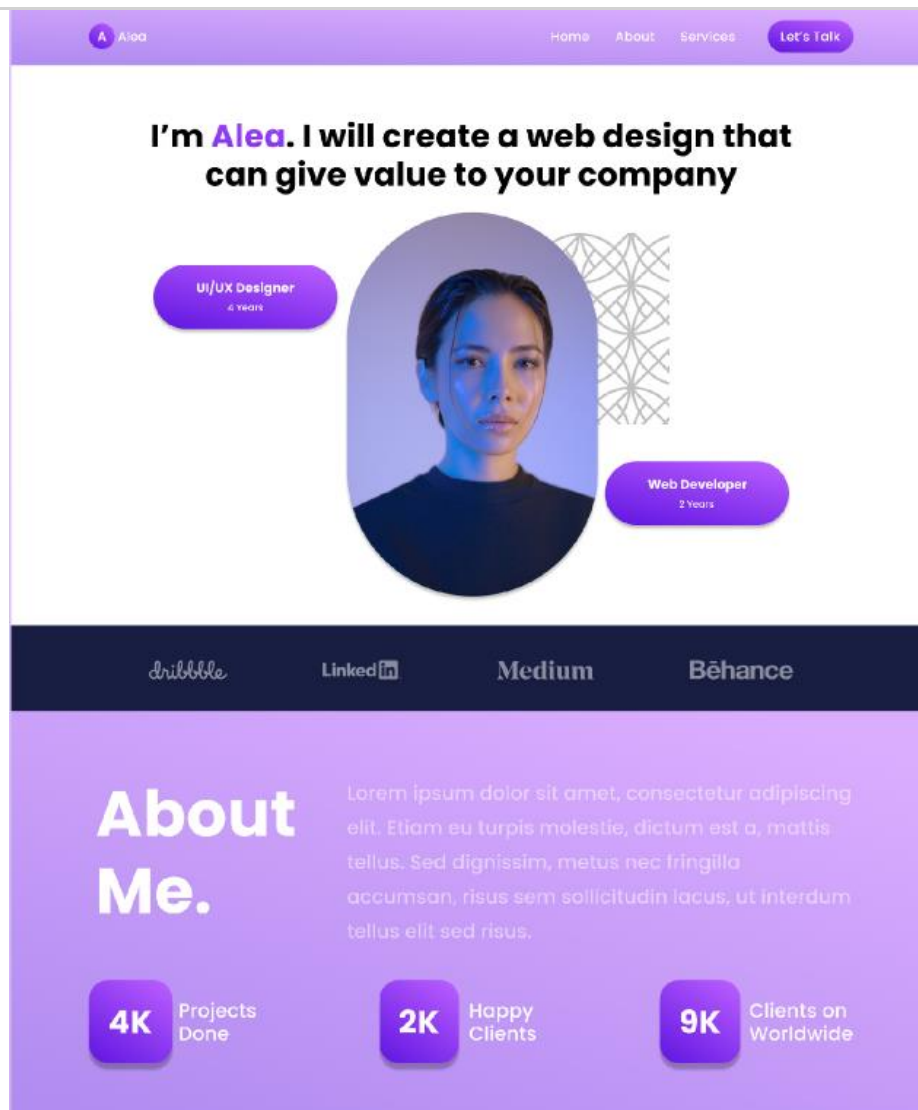
Program 3

Program 4

**Part : B**







**12 Create web pages with given animation effects**

**Part: A**

1. Changing the background color of the div from red to yellow.
2. Moving div from Left to right, right to bottom, bottom to left, and left to top.
3. Put a delay of 2s in the animation.
4. Change the animation-iteration count property of the program to run infinitely.
5. Change the animation direction property to run it in reverse order.
6. Change the value of the animation-timing-function property to change the speed of the animation

**Part: B**

1. Create a custom animation of your choice.

**Part: C**

1. Create an animation similar to the screensaver.

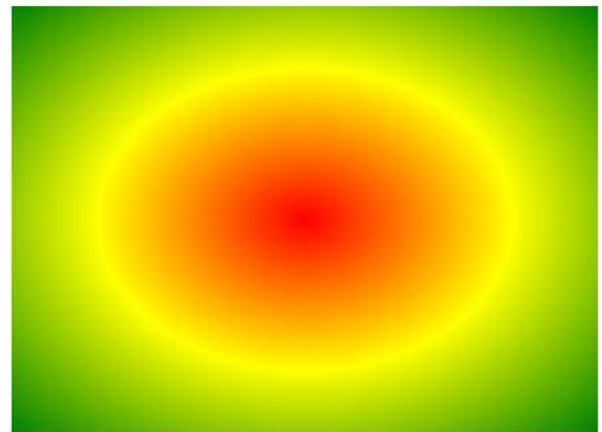


13 **Apply Media Queries on Practical No-10 and make it responsive.**

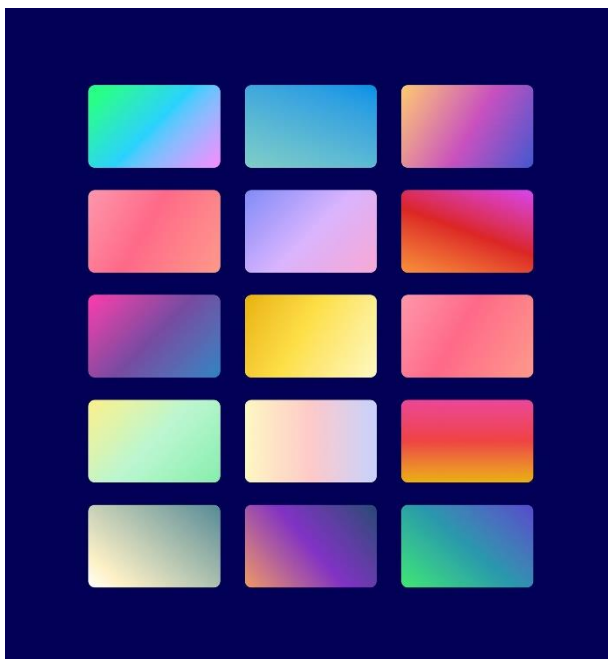
1. Layout part-A
2. Layout part-B
3. Layout part-C

14 **Demonstrate Gradients in CSS.**

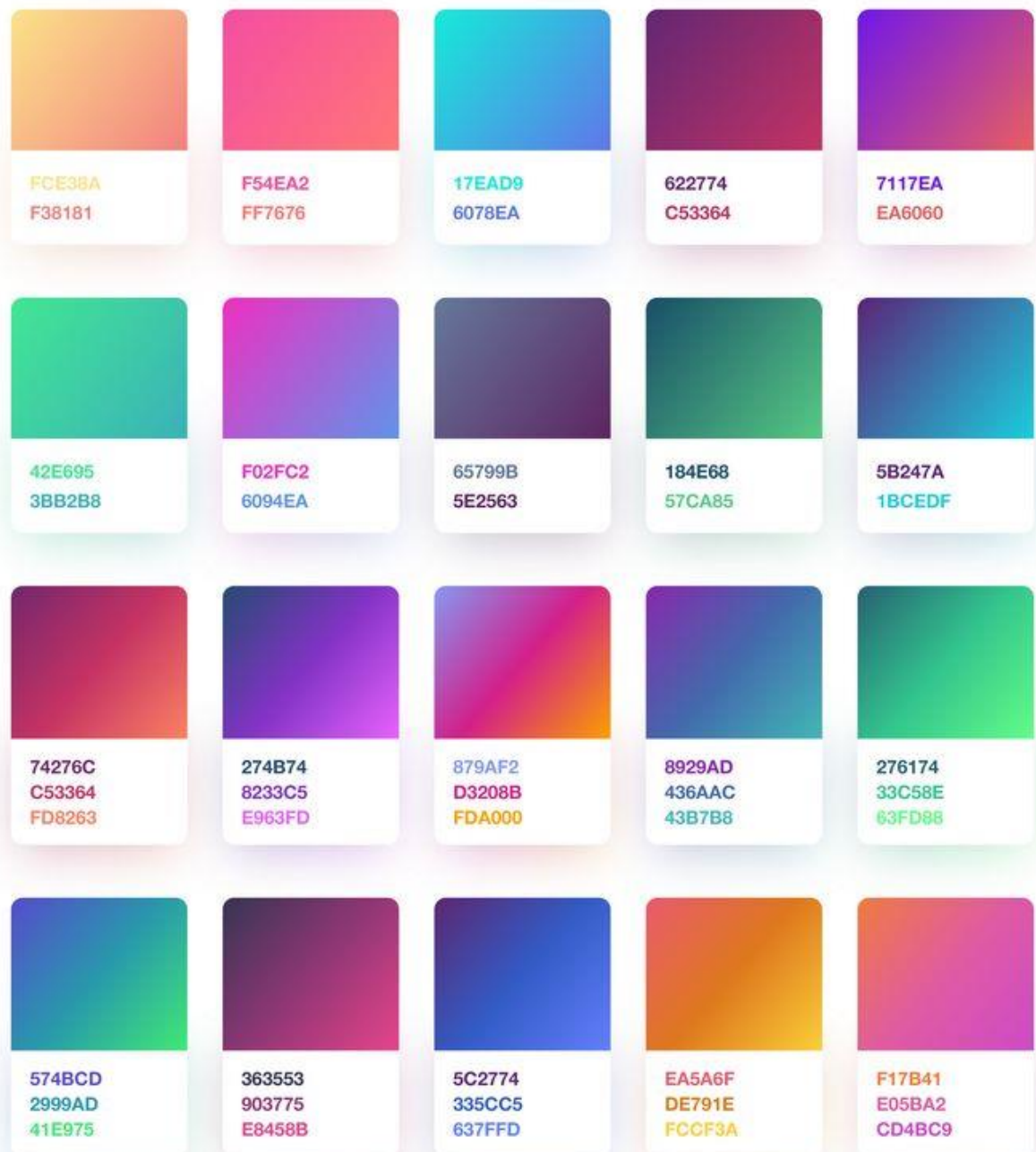
**Part : A**



**Part : B**



**Part : C**



15 **Create a web page using pseudo-classes and pseudo-elements having given effects.**

**Part : A**

1. Link after visited red color before visited orange color
2. Add special style(change color, font size etc.) to first line of paragraph
3. Add special style (change color, font size etc.) to first letter of paragraph
4. Change background color to yellow when user select particular text
5. Add special style to an element when user mouse over it.

**Part : B**

1. Using the :hover pseudo-class to change the appearance of links when hovered over, but limited to links within a specific container.
2. Applying styles to input fields when they receive focus using the :focus pseudo-class.
3. Utilize the :hover pseudo-class to highlight table rows when hovered over.

### Part : C

1. Employing pseudo-classes such as :valid and :invalid to style form elements based on their validation status, aiding in providing feedback to users during form submission.
2. Applying pseudo-classes like :active to interactive elements such as buttons and toggles to visually indicate user interaction when activated or clicked.
3. Using pseudo-classes such as :focus to improve accessibility by indicating the currently focused element, aiding users who navigate through a website using keyboard-only inputs.

## 16 **Build Below Homepage using HTML and CSS.**

### Part : A



### **Welcome to our WEBSITE!**

This is a professional XHTML/CSS layout provided by [TemplateMo.com](http://TemplateMo.com) for free of charge. You can use this template for any purpose. Credit goes to [Free photos for photos](http://Free photos for photos).

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

- Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
- Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

### **Latest News**



OCT 29, 2024

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OCT 29, 2024

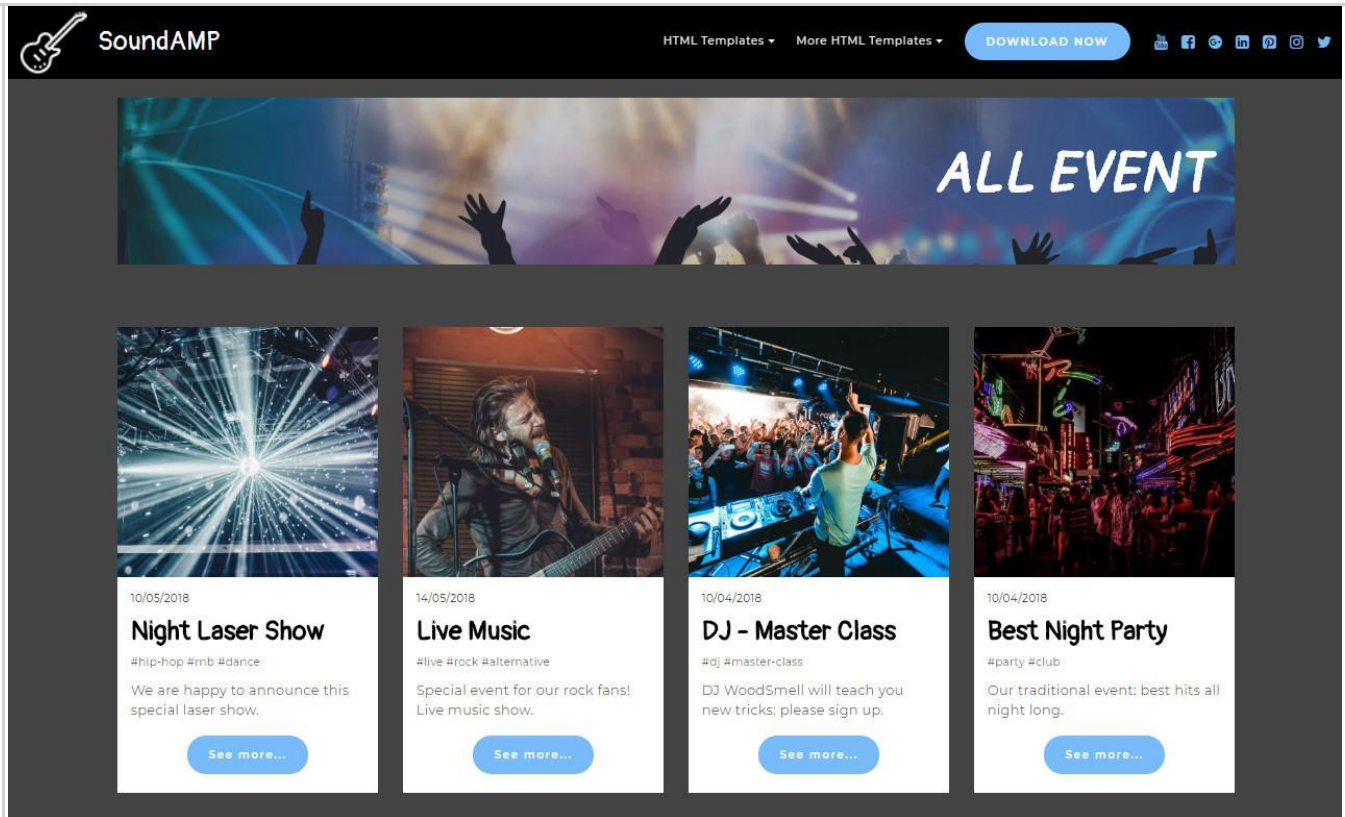
Lorem ipsum dolor sit Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



OCT 29, 2024

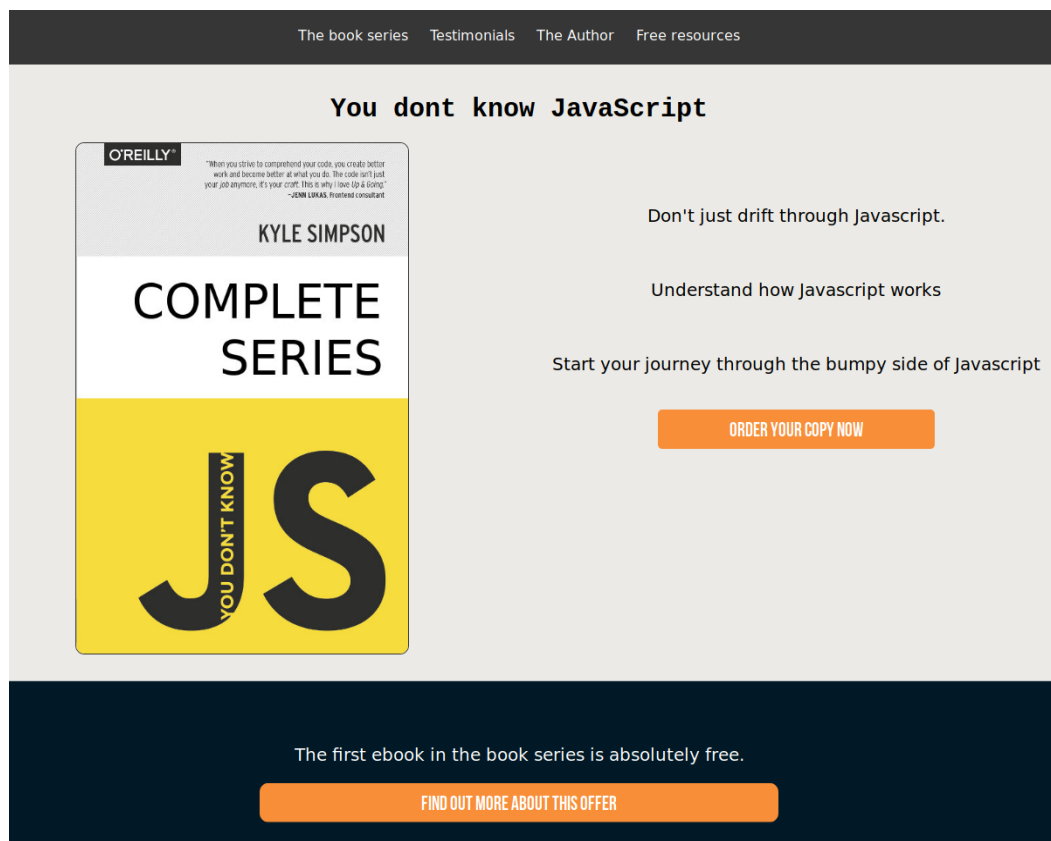
Lorem ipsum dolor sit Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

### Part : B

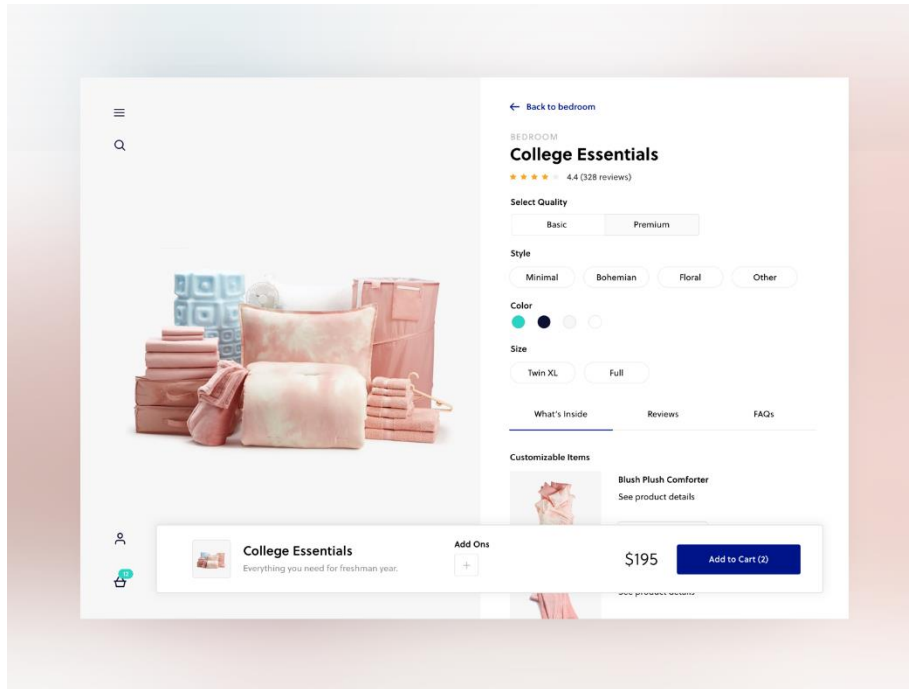


17 **Build a Product landing page using HTML and CSS.**

**Part : A**



**Part : B**



18 **Write HTML, Bootstrap code for following effects.**

**Part : A**

1. Use Bootstrap typography as per below image.

**Darshan University-Rajkot**

Rajkot-Morbi Highway,

Hadala,

Email:info@darshan.ac.in,

Phone:0281-2569612

2. Use Bootstrap typography to make text look like below image



Welcome to Darshan University

~~Darshan Institute of Engineering and Technology~~

~~Darshan Institute of Engineering and Technology~~

Darshan University-Rajkot

Darshan University-Rajkot

Darshan University-Rajkot

**Darshan University-Rajkot**

*Darshan University-Rajkot*

**Part : B**

1. Use Bootstrap typography to put abbreviation in paragraph.
2. Use Bootstrap typography to align text (left, center, right)
3. Create Unstyled list using Bootstrap typography.
4. Use Bootstrap to display responsive image in webpage. Also use alignment to align it in left, center and right side of webpage.
5. Use Bootstrap to create thumbnail of image.

**Part : C**

1. Design page of your choice which use above concept.

19 **Create a design similar to Practical No-11 using the grid system of bootstrap.**

1. Layout part-A
2. Layout part-B
3. Layout part-C

20 **Write HTML, Bootstrap code to design page like following images.**

**Part : A**

LOGO

Home Contact About Us Messages 12

## Dashboard:

Name	Team	All Star	Remove
Steph	Warriors	Yes	
Lebron	Cavaliers	Yes	
Dwayne	Heat	Yes	
Kobe	Lakers	Yes <span>Last</span>	
Isaiah	Celtics	Yes <span>First</span>	

## Todos:

Feel good about Bootstrap

Feel informed about Bootstrap

Feel warned about Bootstrap

Maybe I should read the docs...

Danger zone

I really should read the docs...

## Part : B

Open Admin

Dashboard

Pages

Admin

Helpers

Media manager

Config

Api tester

Page Designer

Administrator

Home / Pages

## Page List

+ New

2 Items selected

Filter

Report

Export

<input type="checkbox"/>	ID	title	Date	Tags	Star	Created at	Updated at	Action
<input type="checkbox"/>	1	Homepage		<span>new</span> <span>special</span>	★	2022-02-17 00:51:01	2022-06-25 14:30:21	
<input checked="" type="checkbox"/>	2	Blog	2022-06-25...	<span>new</span>	★	2022-06-25 14:30:33	2022-06-25 14:30:33	
<input type="checkbox"/>	3	About us	2022-06-25...	<span></span>	★	2022-06-25 14:36:58	2022-06-25 14:37:40	
<input type="checkbox"/>	4	Contact	2022-06-25...	<span>code</span> <span>special</span>	★	2022-06-25 14:37:12	2022-06-25 14:39:16	
<input type="checkbox"/>	5	Cases		<span></span>	★	2022-06-25 14:37:22	2022-06-25 14:37:36	
<input checked="" type="checkbox"/>	6	Clients	2022-06-25...	<span>special</span>	★	2022-06-25 14:37:28	2022-06-25 14:37:28	

Showing 1 to 6 of 6 entries

Show 20 entries

1

21 **Design SIGN-IN form using Bootstrap.**

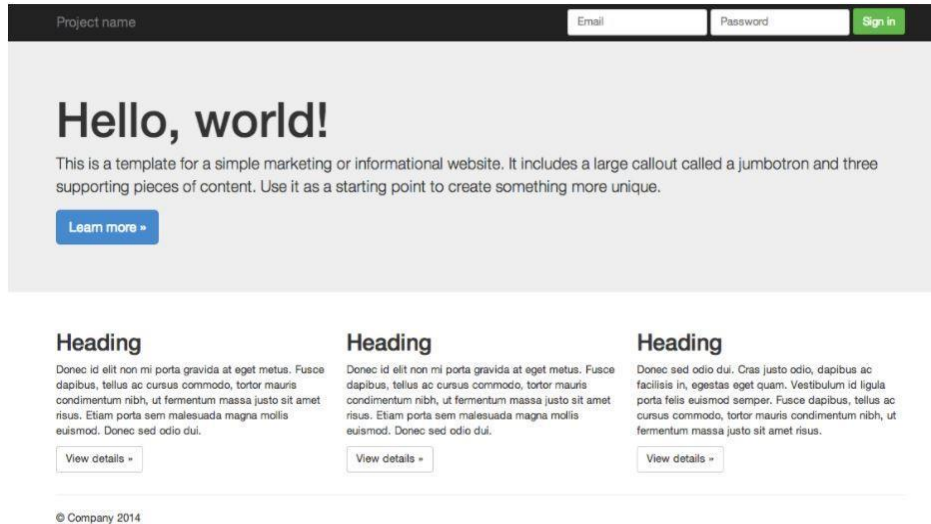
## Part : A



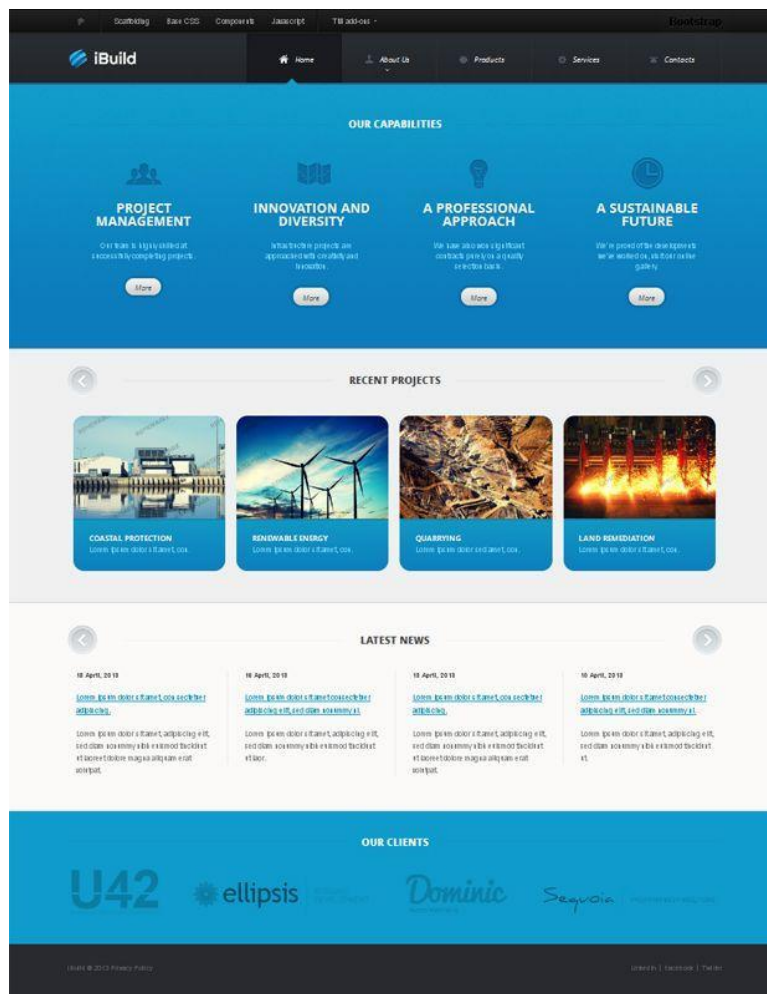
**Part : B**

## 23 Write HTML, Bootstrap code to design following image.

### Part : A

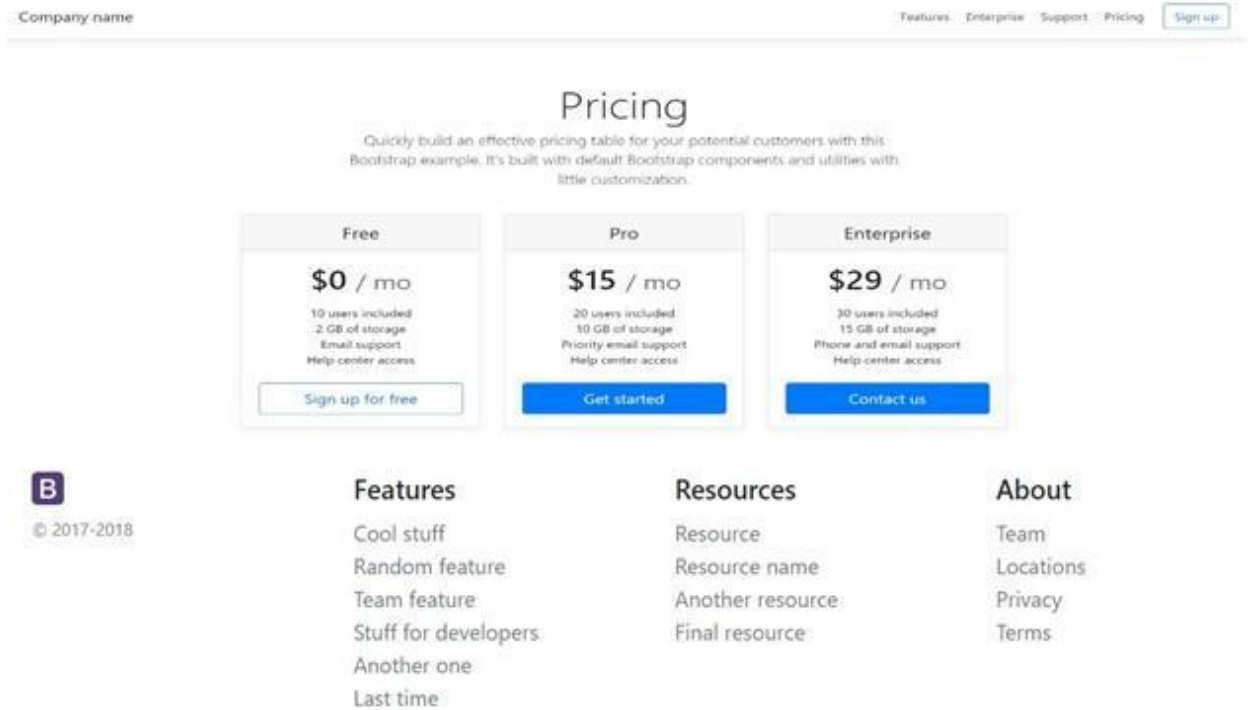


### Part : B

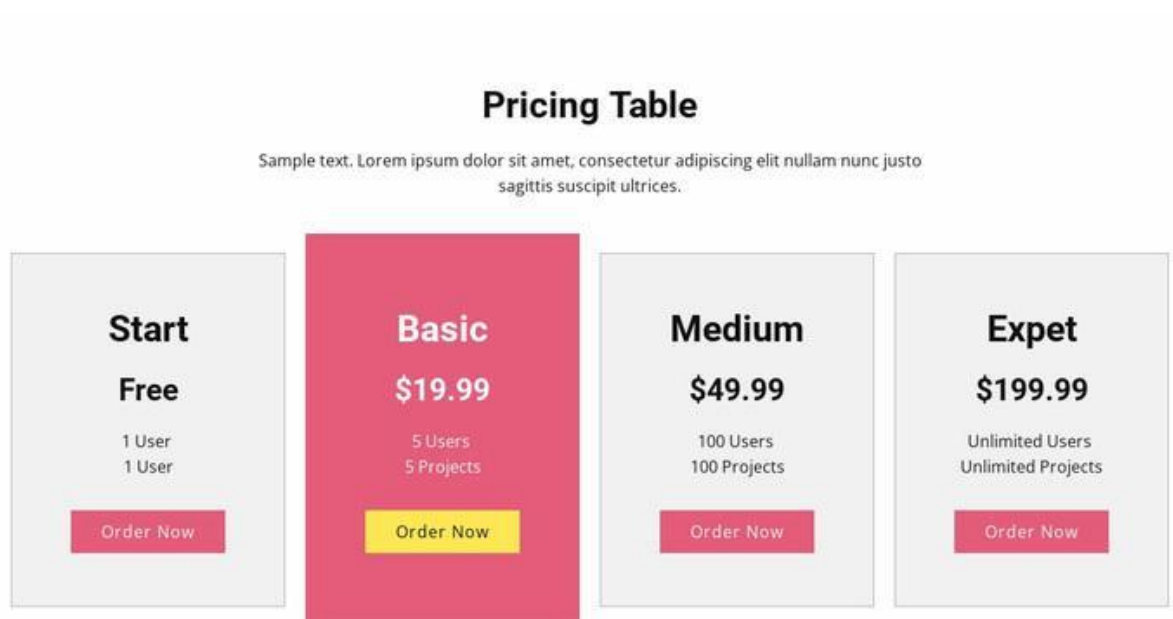


24 **Write HTML, Bootstrap code to design following image.**

**Part : A**



**Part : B**



**Subject:** 2301CS202 – Web Designing

25

**Design Checkout form using Bootstrap.**

**Part : A**

**Complex Bootstrap Form**

First Name

Enter your first name

Last Name

Enter your last name

Email

Enter your email

Password

Enter your password

Confirm Password

Confirm your password

Address

1234 Main St

City

State


Zip

Choose...

☐ Check me out

Sign up

**Part : B**



## Checkout form

Below is an example form built entirely with Bootstrap's form controls. Each required form group has a validation state that can be triggered by attempting to submit the form without completing it.

### Billing address

First name

Last name

Username

@ Username

Email (Optional)

Address

Address 2 (Optional)

Country

Choose...

State

Choose...

Zip

☐ Shipping address is the same as my billing address

☐ Save this information for next time

### Payment

☒ Credit card

☐ Debit card

☐ PayPal

Name on card

Credit card number

Full name as displayed on card

Expiration

CVV

Continue to checkout

### Your cart

Product name

Brief description

\$12

Second product

Brief description

\$8

Third item

Brief description

\$5

Promo code

EXAMPLECODE

-\$5

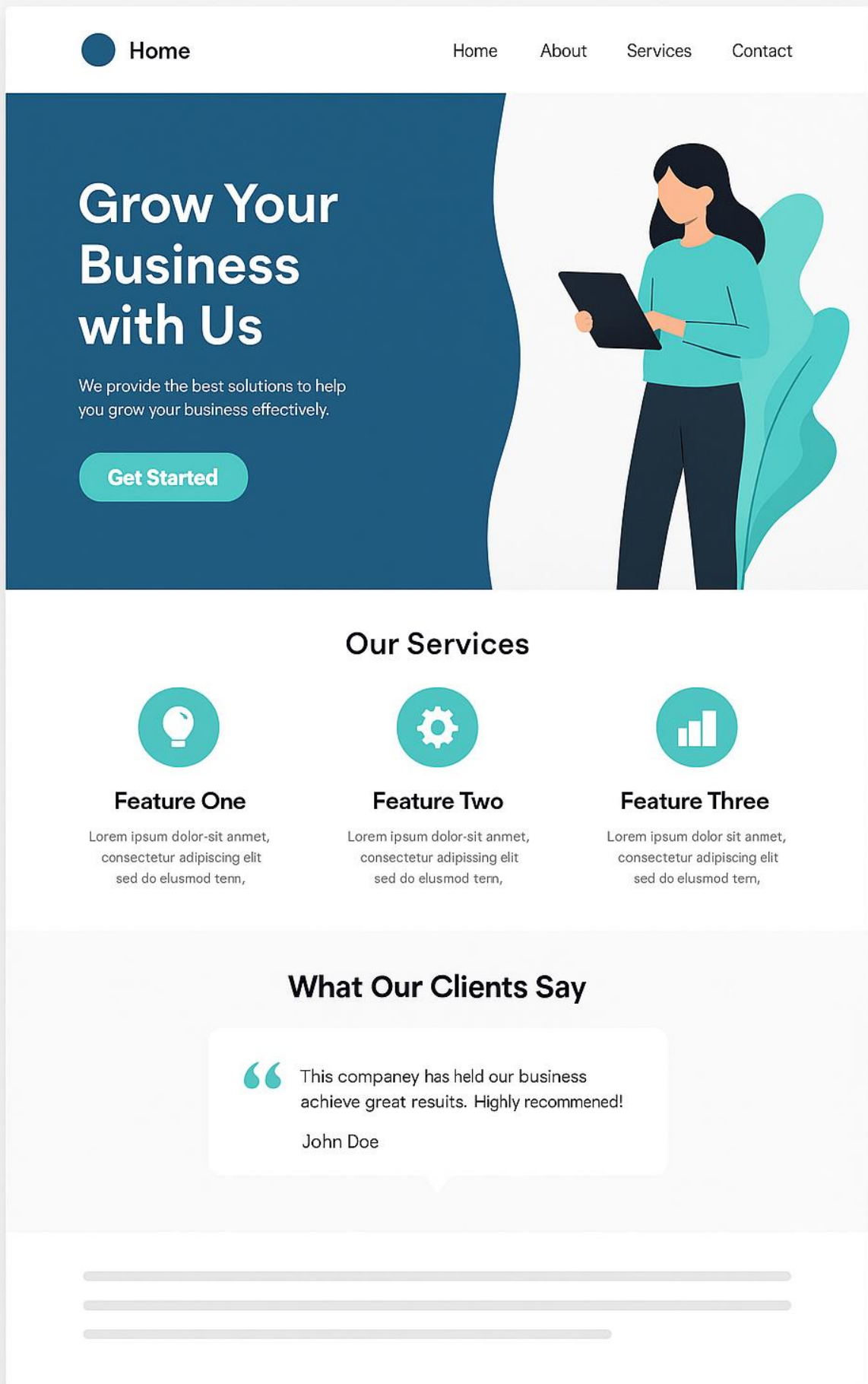
Total (USD)

\$20

Promo code

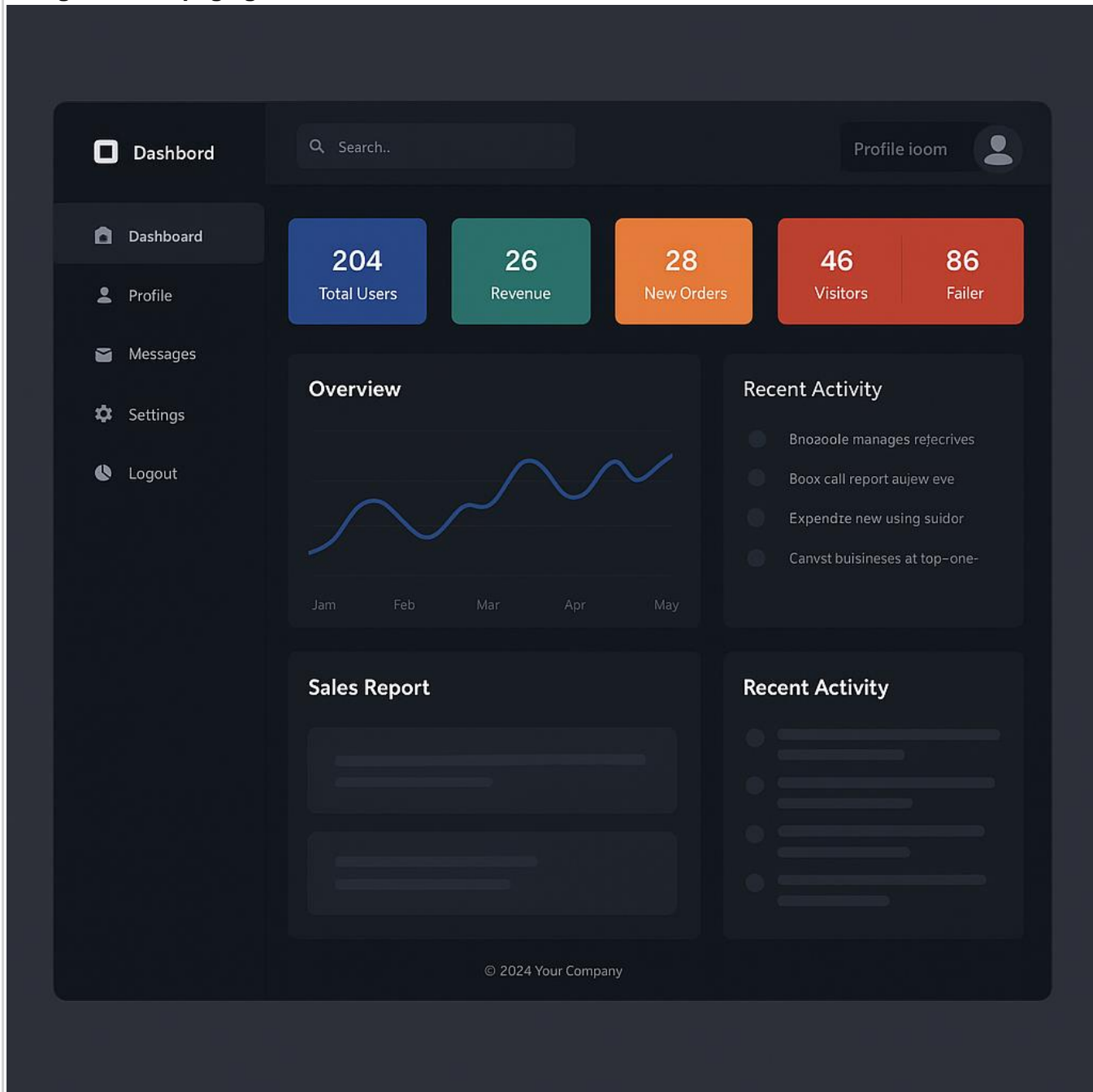
Redeem

26 **Design the webpage given below.**



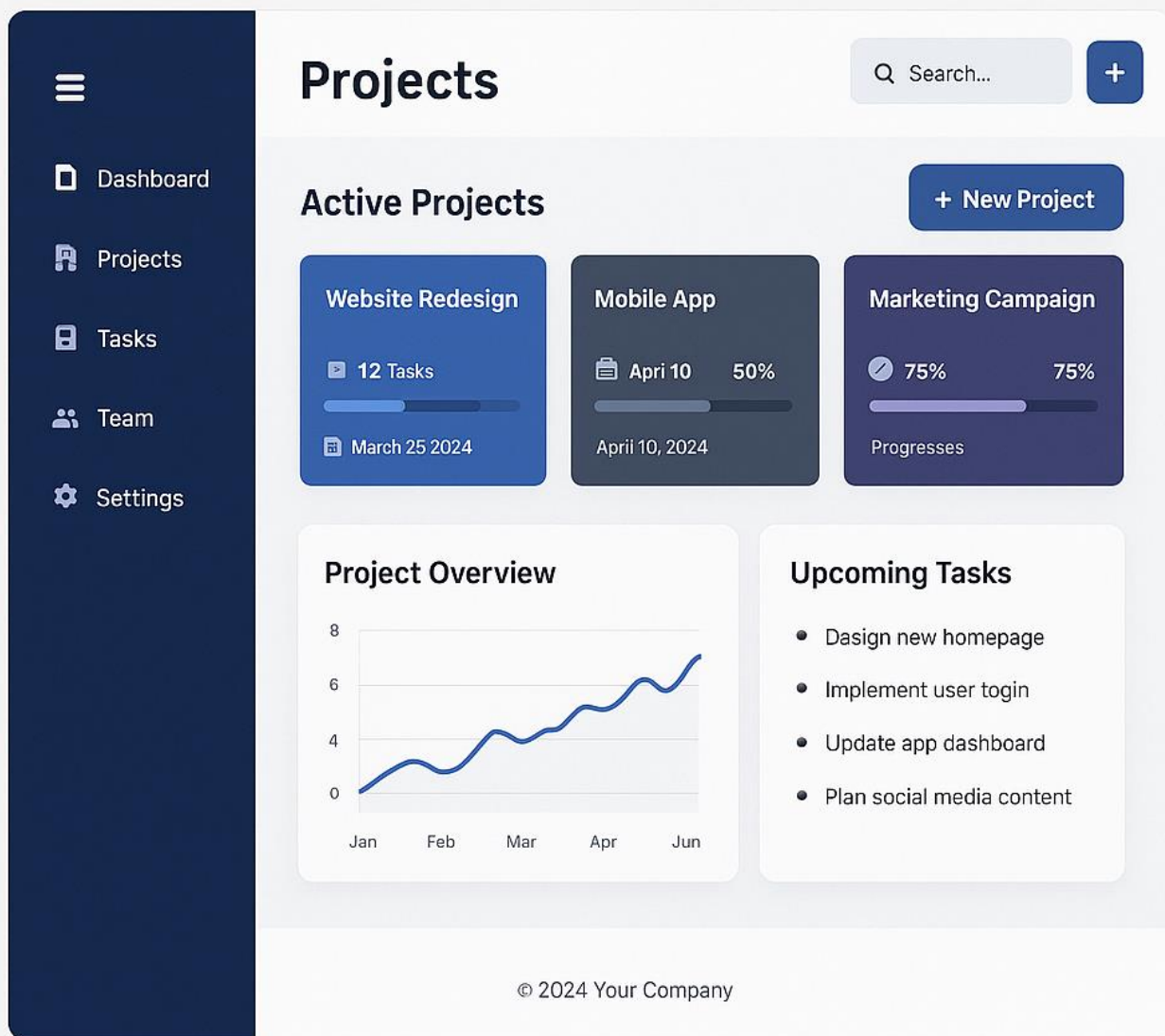
**Subject:** 2301CS202 – Web Designing

27 **Design the webpage given below**



28 **Design the webpage given below**





29 **Design Website using HTML, CSS and Bootstrap.**

1. Design all web pages using HTML.(A)
2. Apply CSS to make some pages attractive.(B)

30 **Redesign practical 29 using Bootstrap.**

1. Use Bootstrap in few web pages and also demonstrate few Bootstrap components.