



RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

ACADEMIC YEAR 2024-2025 ODD SEMESTER



CD23332

LAB MANUAL

SECOND YEAR

THIRD SEMESTER

2024- 2025

ODD SEMESTER

RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105



**RAJALAKSHMI
ENGINEERING COLLEGE**

CD23331

DESIGN PROCESSES AND PERSPECTIVES LABORATORY

Laboratory Manual Note Book

Name :

Year / Branch / Section :

Register No. :

Semester :

Academic Year :



RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

BONAFIDE CERTIFICATE

NAME

ACADEMIC YEAR SEMESTER BRANCH.....

UNIVERSITY REGISTER No.

Certified that this is the bonafide record of work done by the above student in the

..... Laboratory during the year 20 - 20

Signature of Faculty - in - Charge

Submitted for the Practical Examination held on

Internal Examiner

External Examiner

List of Experiments	
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector
2	Design to help people to sell their handmade products in metro cities
3	Design a social media website and chat
4	Design a publication that support different languages
5	Design a publication that tells comic stories
6	Design an advertisement for mobile company
7	Design an advertisement for any political party with images
8	Design an advertisement for electronic products
9	Design an advertisement for food products
10	Design an interactive website for new institution
11	Design a blog that publish educational post
12	Design an interactive website for hospital management system
13	Design an interactive website for food selling app
Requirements	
Hardware	Intel i3 or AMD processor with 64-bit support; 2 GHz or faster processor with SSE 4. or later- 8 GB RAM -Windows 10 64-bit (version 1909)or later - 1.5 GB of GPU memory -4 GB of available hard-disk space
Software	Figma, Adobe Photoshop, HTML and CSS
Operating System	Windows

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

Exercise no.	Exercise Name	Required Hours
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector	3
2	Design to help people to sell their handmade products in metro cities	6
3	Design a social media website and chat	3
4	Design a publication that support different languages	3
5	Design a publication that tells comic stories	3
6	Design an advertisement for mobile company	3
7	Design an advertisement for any political party with images	9
8	Design an advertisement for electronic products	6
9	Design an advertisement for food products	6
10	Design an interactive website for new institution	6
11	Design a blog that publish educational post	6
12	Design an interactive website for hospital management system.	3
13	Design an interactive website for food selling app.	3

Course Outcomes (COs)

Course Name: Design Processes and Perspectives

Course Code: CD19341

Outcome 1	Understand the various graphic design thinking process and phases
Outcome 2	Analyze and choose between various visual components
Outcome 3	Designing and communicating visual components
Outcome 4	Apply design concepts for media publishing and advertising
Outcome 5	Create website using different design concepts

CO-PO –PSO matricesofcourse

PO/PSO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CD19341.1	3	1	3	2	3	2	3	2	1	1	1	3	1	3	1
CD19341.2	3	-	3	-	3	-	-	-	-	-	1	1	1	3	1
CD19341.3	3	3	3	2	3	-	-	-	-	-	-	1	1	3	2
CD19341.4	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
CD19341.5	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
Average	2.2	2.0	3.0	2.0	3.0	1.6	1.4	1.0	1.0	1.0	1.2	1.8	1.0	3.0	2.0

Note: Enter correlation levels 1,2 or 3 as defined below:

1: Slight(Low) 2: Moderate(Medium) 3: Substantial(High) If there is no correlation, put “-“

Expt. No.:1

Date:

Design to teach mathematics to the children of 4-5 years age in school in Rural sector

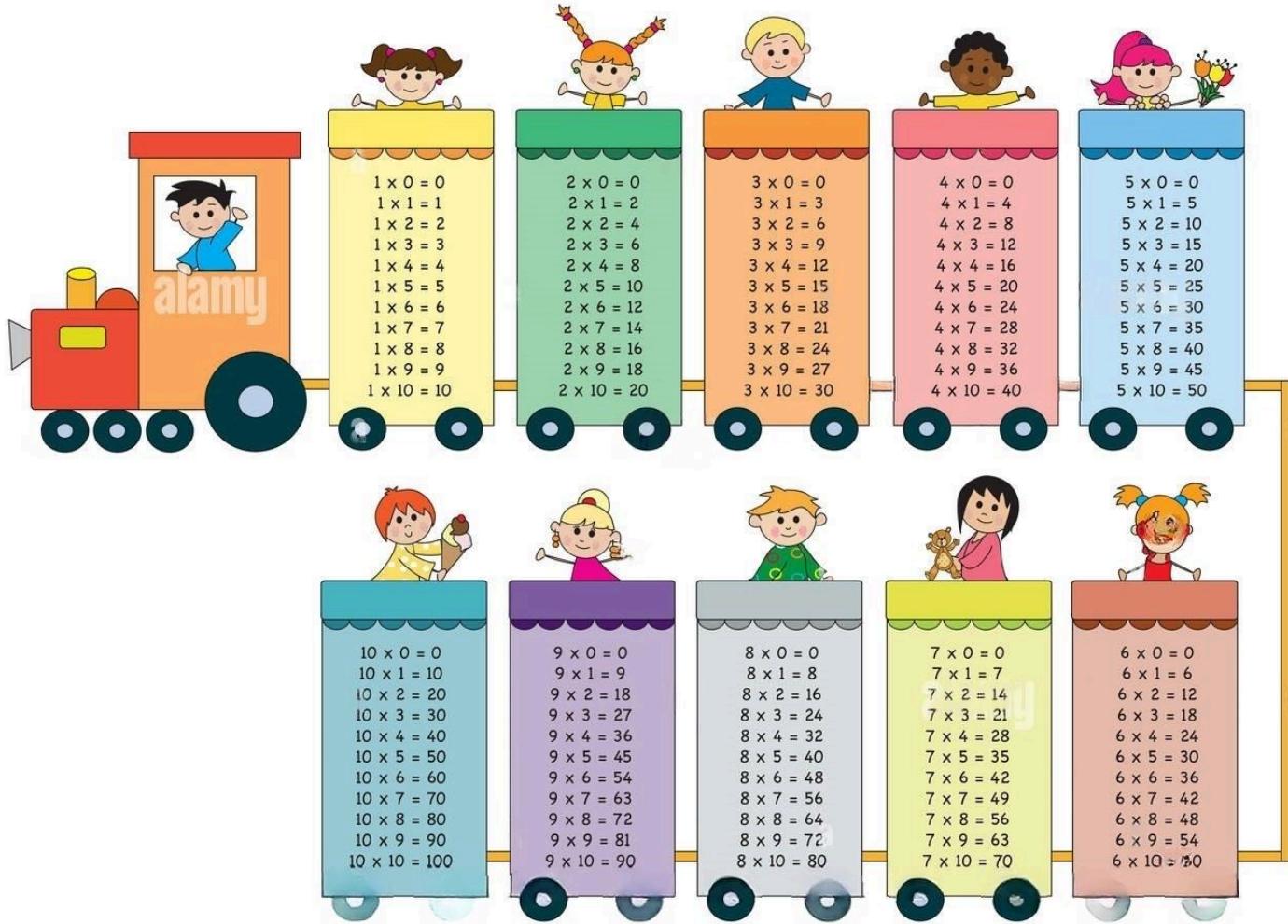
Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:2

Date:

Design to help people to sell their handmade products in metro cities

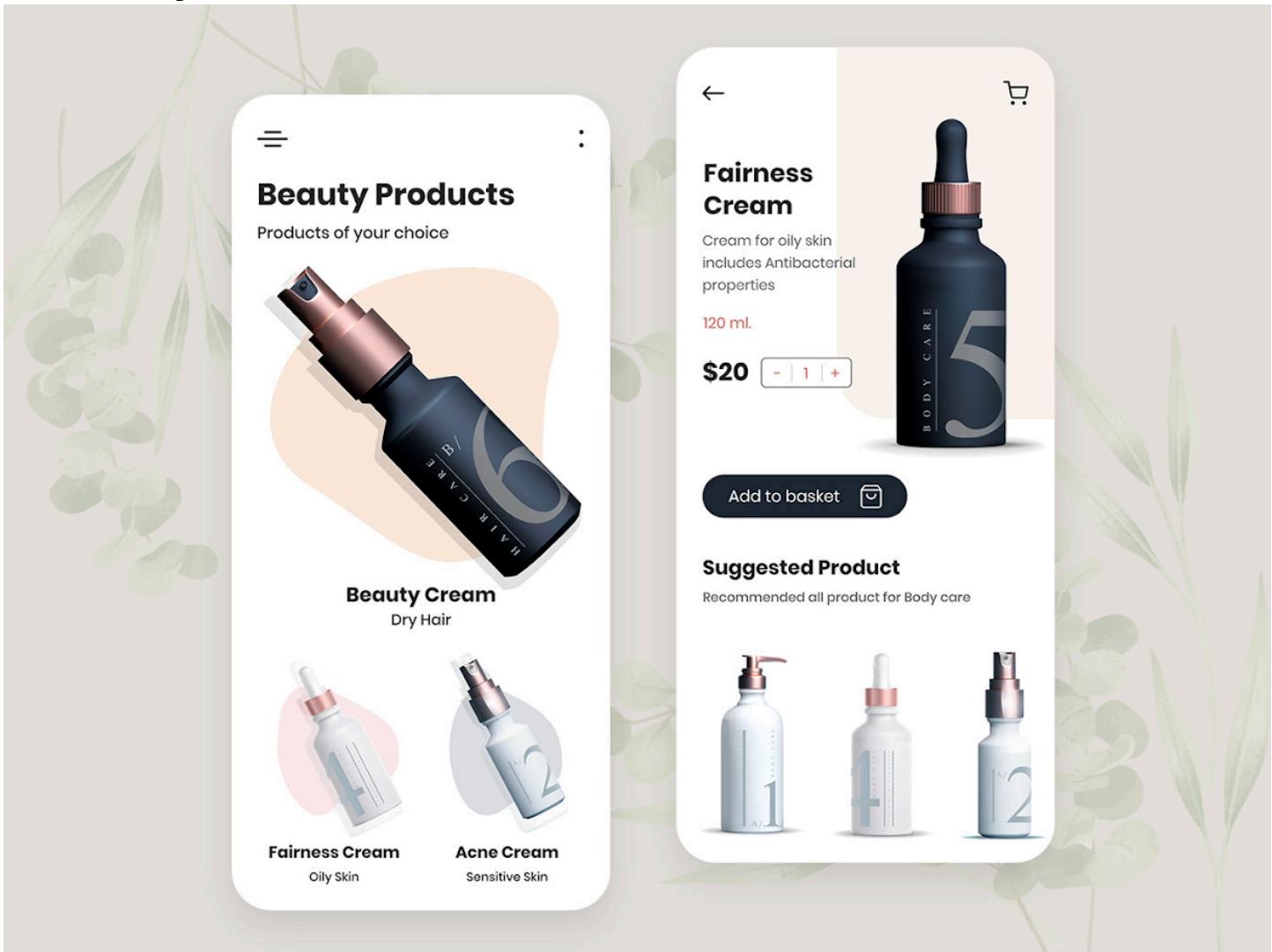
AIM: To Design an UI that can help people to sell their handmade products in metro cities

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:3

Date:

Design a social media website and chat

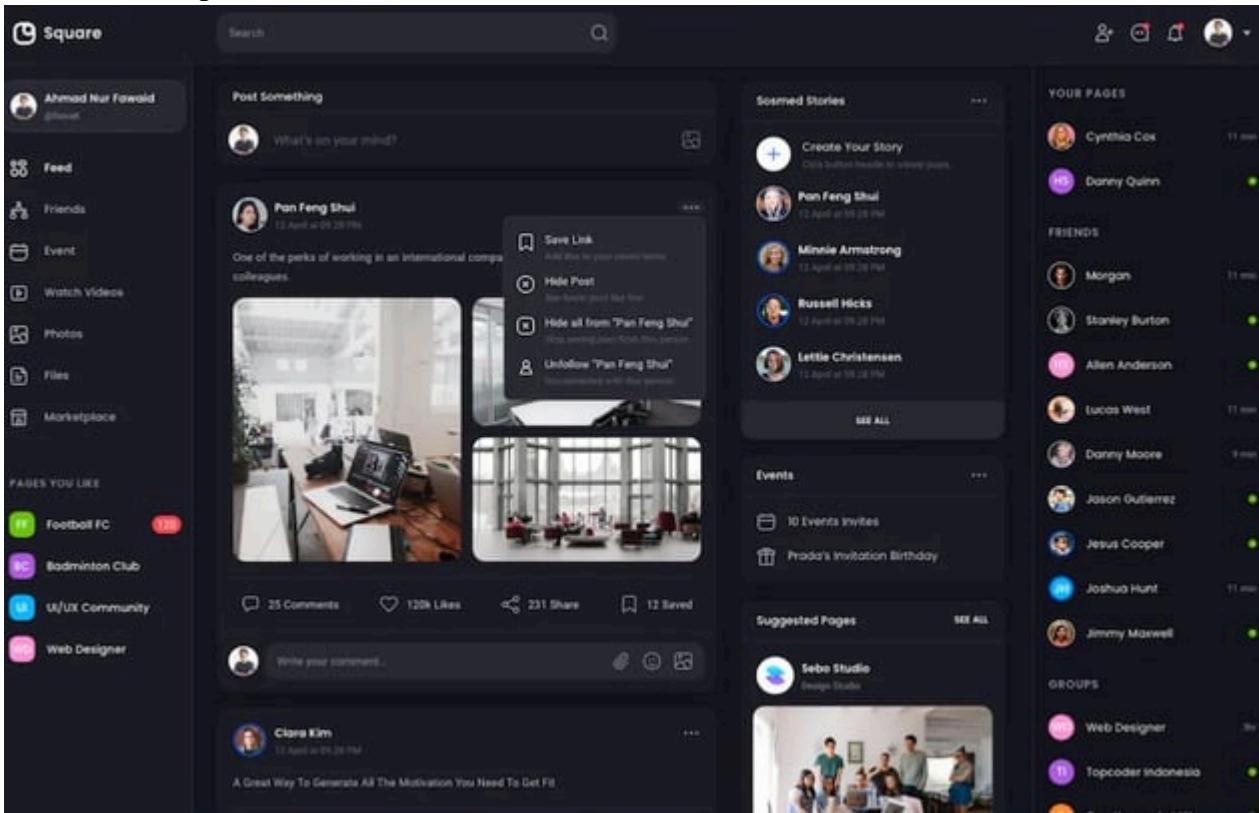
Aim: To design a social media website and chat.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Buttons and attractive fonts have been used
5. Proper navigation should be done to move from one page to another
6. Login page has to be included

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:4

Date:

Design a publication that support different languages

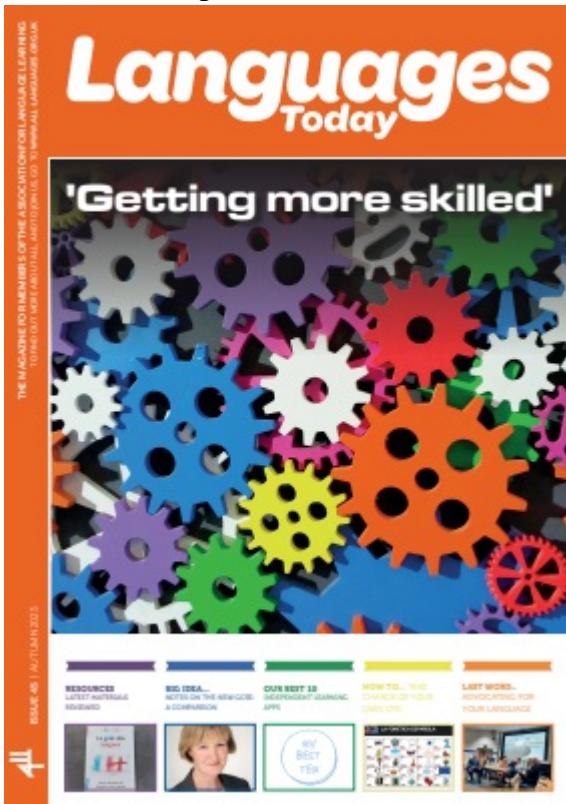
Aim: To design a publication that support different language

Tools: Adobe Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:5

Date:

Design a publication that tells comic stories

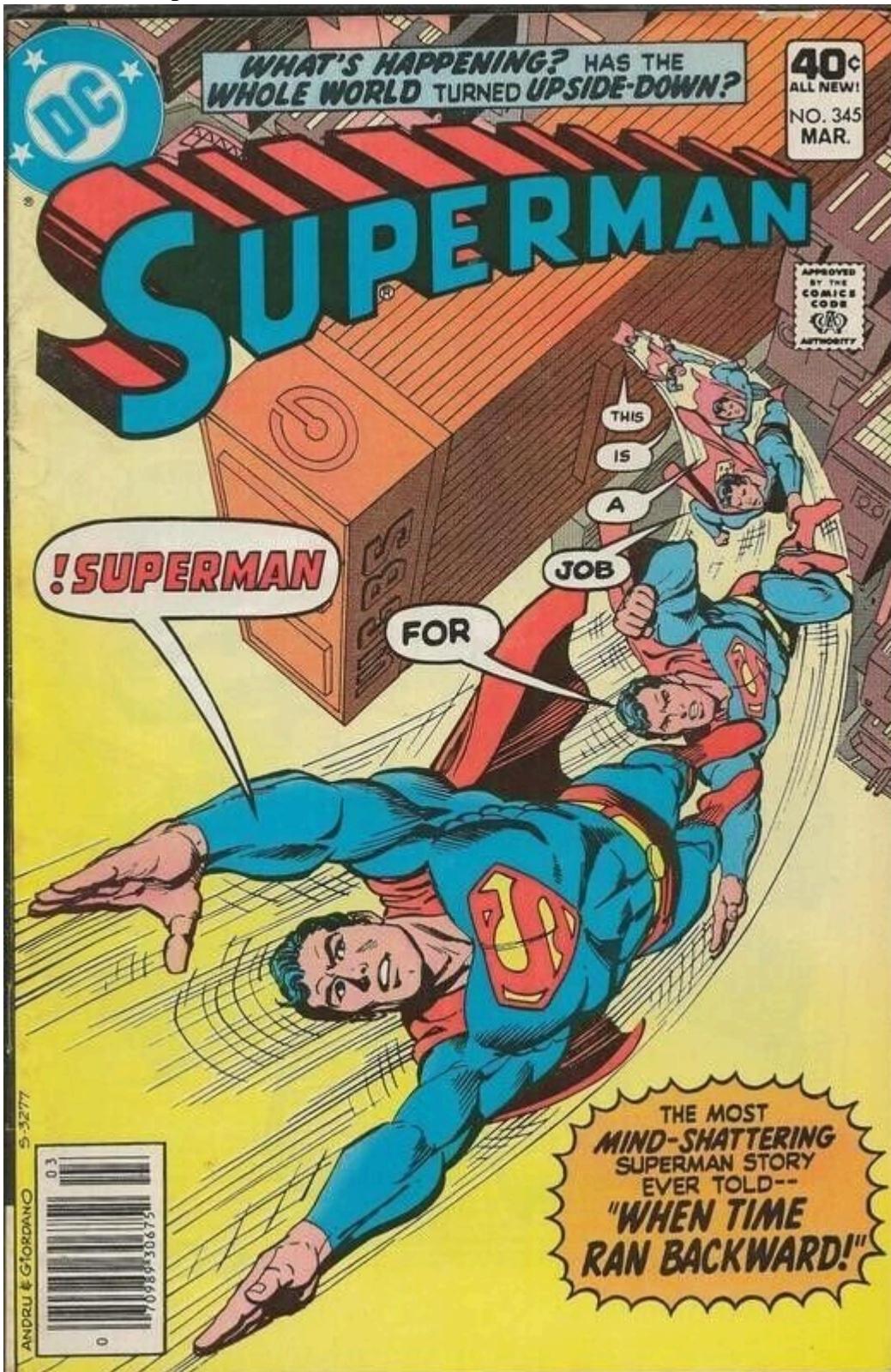
Aim: To design a Publication That Tells Comic Stories

Tools: Adobe Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used.
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:6

Date: Design an advertisement for mobile company

Aim: To design an advertisement for mobile company

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:



0471 401 2488
96 33 488488

| Shalom building, Opp. Spencer, LIC.JU., Pattom, TVM – 695004

Result: Hence the design is completed and output is verified.

Expt. No.:7

Date:

Design an advertisement for any political party with images

Aim: To design an advertisement for any political party with images

Tools: Adobe Photoshop, Canva.

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:



A political campaign poster for Sean Thomson. The top half features a black and white photograph of the U.S. Capitol building. Overlaid on the bottom left is a red rectangular box containing the candidate's name in large, bold, white and black letters: "SEAN THOMSON". Below this, in a white box, is the text "FOR PARLIAMENT". To the right is a portrait of Sean Thomson, a man with glasses and a suit, resting his chin on his hand. A row of five yellow stars is positioned below his photo. To the right of the stars is a large, bold, white text block that reads "Integrity, Experience, Results." At the bottom left, another red box contains the word "VOTE" in large white letters, followed by the smaller text "Make your voice heard". At the very bottom, a black box contains the text "Join the team and become a volunteer for Sean Thomson's campaign for parliament!" and the website "www.yourwebsite.com".

SEAN
THOMSON

FOR PARLIAMENT

Sean Thomson is a dedicated public servant and community leader who is running for parliament to represent the people of his district.

VOTE Make your voice heard

Join the team and become a volunteer for Sean Thomson's campaign for parliament!

www.yourwebsite.com

Result: Hence the design is completed and output is verified.

Expt. No.:8

Date:

**Design an advertisement for
electronic products**

Aim: To design an advertisement for electronic products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:9

Date:

Design an advertisement for food products

Aim: To design an advertisement for food products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:



Result: Hence the design is completed and output is verified.

Expt. No.:10

Date:

Design an interactive website for new institution

Aim: To design interactive website for new institution

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

```
1 <!DOCTYPE html>
2- <html lang="en">
3- <head>
4
5
6
10
11
13
14
15
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Institution Name</title>
<style>
body { font-family: Arial, sans-serif; margin: 0; padding: 0; }
header, footer { background: #0044cc; color: white; text-align: center; padding: 10px; } nav (text-align: center; padding: 10px; background: #f1f1f1; )
nav a {margin:
10px; color: #0044cc; text-decoration: none; }
section { padding: 20px; }
h2 { color: #0044cc; }
form input, form textarea { width: 100%; margin: 5px 0; padding: 8px; } </style>
16 </head>
17 <body>
18
19- <header>
20
21
<h1>Institution Name</h1>
<p>Welcome to Our Institution</p>
22 </header>
23
24- <nav>
25
26
27
28
29
30
<a href="#about">About Us</a>
<a href="#courses">Courses</a> <a href="#admissions">Admissions</a> <a href="#contact">Contact</a>
</nav>
31 <section id="about">
32
33
<h2>About Us</h2>
<p>We are dedicated to providing quality education to our students.</p> 34 </section>
35
36 <section id="courses">
37 38
<h2>Courses</h2>
<p>Explore our wide range of courses to find the right one for you.</p> 29 </section>
40
41
42
43
<section id="admissions">
```

```

<h2>Admissions</h2>
<p>Join us to start your journey toward success. Apply now!</p>
44 </section>
45
46
47
48-
49
50
51
52
53
<section id="contact">
<h2>Contact Us</h2>
<form>
<input type="text" placeholder="Your Name" required>
<input type="email" placeholder="Your Email" required>
<textarea rows="4" placeholder="Your Message" required></textarea> <button type="submit">Send Message</button>
</form>
54 </section>
55
56 <footer>
57
<p>&copy; 2024 Institution Name</p>
58 </footer>
59
60 </body>
61 </html>

```

Institution Name

Welcome to Our Institution

About Us Courses Admissions Contact

About Us

We are dedicated to providing quality education to our students.

Courses

Explore our wide range of courses to find the right one for you.

Admissions

Join us to start your journey toward success. Apply now!

Contact Us

Your Name
Your Email
Your Message

Send Message

© 2024 Institution Name

Result: Hence the design is completed and output is verified.

Expt. No.:11

Date:

Design A Blog That Publish Educational Post

Aim: To design a blog that publishes educational post

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Educational Blog</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<header>
  <h1>Welcome to the Educational Blog</h1>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#posts">Posts</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
</header>

<main>
  <section id="posts">
    <article>
      <h2>Understanding Photosynthesis</h2>
      <p>Photosynthesis is the process by which green plants and some other organisms use sunlight to synthesize foods with the help of chlorophyll. This process converts light energy into chemical energy.</p>
      <p><em>Published on: October 1, 2023</em></p>
    </article>
    <article>
      <h2>The Importance of Mathematics in Daily Life</h2>
      <p>Mathematics is not just a subject; it is a way of thinking. It helps us solve problems, make decisions, and understand the world around us.</p>
      <p><em>Published on: October 5, 2023</em></p>
    </article>
    <article>
      <h2>The Basics of Computer Programming</h2>
      <p>Computer programming is the process of designing and building executable computer software to accomplish a specific task. It involves writing code in various programming languages.</p>
      <p><em>Published on: October 10, 2023</em></p>
    </article>
  </section>
</main>

<footer>
  <p>&copy; 2023 Educational Blog. All rights reserved.</p>
</footer>
</body>
</html>
```

Welcome to the Educational Blog

- [Home](#)
- [About](#)
- [Posts](#)
- [Contact](#)

Understanding Photosynthesis

Photosynthesis is the process by which green plants and some other organisms use sunlight to synthesize foods with chlorophyll. This process converts light energy into chemical energy.

Published on: October 1, 2023

The Importance of Mathematics in Daily Life

Mathematics is not just a subject; it is a way of thinking. It helps us solve problems, make decisions, and understand us.

Published on: October 5, 2023

The Basics of Computer Programming

Computer programming is the process of designing and building executable computer software to accomplish a specific task involving writing code in various programming languages.

Published on: October 10, 2023

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Result: Hence the design is completed and output is verified.

Expt. No.:12

Date:

Design An Interactive Website For Hospital Management System

Aim: To design interactive website for hospital management system

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Hospital Management System</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<header>
  <h1>Hospital Management System</h1>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#patients">Patients</a></li>
      <li><a href="#appointments">Appointments</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
</header>

<main>
<section id="home">
  <h2>Welcome to Our Hospital</h2>
  <p>Your health is our priority. Use our system to manage your health records, appointments, and more.</p>
</section>

<section id="patients">
  <h2>Patient Registration</h2>
  <form>
    <label for="name">Full Name:</label>
    <input type="text" id="name" name="name" required>

    <label for="age">Age:</label>
    <input type="number" id="age" name="age" required>

    <label for="gender">Gender:</label>
    <select id="gender" name="gender">
      <option value="male">Male</option>
      <option value="female">Female</option>
      <option value="other">Other</option>
    </select>

    <label for="contact">Contact Number:</label>
    <input type="tel" id="contact" name="contact" required>

    <input type="submit" value="Register Patient">
  </form>
</section>

<section id="appointments">
  <h2>Appointment Scheduling</h2>
  <form>
    <label for="patient">Select Patient:</label>
    <input type="text" id="patient" name="patient" required>

    <label for="date">Appointment Date:</label>
    <input type="date" id="date" name="date" required>
  </form>
</section>
```

```
<label for="time">Appointment Time:</label>
<input type="time" id="time" name="time" required>

<input type="submit" value="Schedule Appointment">
</form>
</section>
</main>

<footer>
  <p>&copy; 2023 Hospital Management System. All rights reserved.</p>
</footer>
</body>
</html>
```

Hospital Management System

- [Home](#)
- [Patients](#)
- [Appointments](#)
- [Contact](#)

Welcome to Our Hospital

Your health is our priority. Use our system to manage your health records, appointments, and more.

Patient Registration

Full Name: Age: Gender: Male Contact Number:

Appointment Scheduling

Select Patient: Appointment Date: dd - mm - yyyy Appointment Time: -- : --

© 2023 Hospital Management System. All rights reserved.

Result: Hence the design is completed and output is verified.

Expt. No.:13

Date:

Design An Interactive Website For Food Selling App

Aim: To design a interactive website for food selling app

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Food Selling App</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
<header>
  <h1>Foodie - Your Favorite Food Delivery</h1>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#menu">Menu</a></li>
      <li><a href="#about">About Us</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
</header>

<main>
<section id="home">
  <h2>Welcome to Foodie</h2>
  <p>Your favorite meals delivered to your doorstep. Explore our delicious menu!</p>
</section>

<section id="menu">
  <h2>Our Menu</h2>
  <div class="food-item">
    <h3>Pizza</h3>
    <p>Delicious cheese and tomato pizza topped with fresh basil.</p>
    <span class="price">$12.99</span>
    <button>Add to Cart</button>
  </div>
  <div class="food-item">
    <h3>Burger</h3>
    <p>Juicy beef burger with lettuce, tomato, and cheese.</p>
    <span class="price">$9.99</span>
    <button>Add to Cart</button>
  </div>
  <div class="food-item">
    <h3>Pasta</h3>
    <p>Creamy Alfredo pasta with grilled chicken and broccoli.</p>
    <span class="price">$11.99</span>
    <button>Add to Cart</button>
  </div>
  <div class="food-item">
    <h3>Salad</h3>
    <p>Fresh garden salad with a variety of vegetables.</p>
    <span class="price">$7.99</span>
    <button>Add to Cart</button>
  </div>
</section>
```

```
</section>

<section id="about">
  <h2>About Us</h2>
  <p>We are dedicated to delivering the best food experience right to your door. Our chefs use only the freshest ingredients to create mouth-watering dishes.</p>
</section>

<section id="contact">
  <h2>Contact Us</h2>
  <p>If you have any questions, feel free to reach out!</p>
  <form>
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required>

    <label for="message">Message:</label>
    <textarea id="message" name="message" required></textarea>

    <input type="submit" value="Send Message">
  </form>
</section>
</main>

<footer>
  <p>&copy; 2023 Foodie. All rights reserved.</p>
</footer>
</body>
</html>
```

Foodie - Your Favorite Food Delivery

- [Home](#)
- [Menu](#)
- [About Us](#)
- [Contact](#)

Welcome to Foodie

Your favorite meals delivered to your doorstep. Explore our delicious menu!

Our Menu

Pizza

Delicious cheese and tomato pizza topped with fresh basil.

\$12.99 [Add to Cart](#)

Burger

Juicy beef burger with lettuce, tomato, and cheese.

\$9.99 [Add to Cart](#)

Pasta

Creamy Alfredo pasta with grilled chicken and broccoli.

\$11.99 [Add to Cart](#)

Salad

Fresh garden salad with a variety of vegetables.

\$7.99 [Add to Cart](#)

About Us

We are dedicated to delivering the best food experience right to your door. Our chefs use only the freshest ingredients to create mouth-watering dishes.

Contact Us

If you have any questions, feel free to reach out!

Result: Hence the design is completed and output is verified.