

Experiment -2

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Branch: MCA

Section/Group: 24MCA1-A

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Subject Name: Front-End Technologies

Subject Code: 24CAH-655

1. Aim/Overview:

- Create a three-column layout similar to Facebook profile and update user's information in the page .

2. Task to be done:

- To create a Facebook like profile page interactive using java script, I would create a cover photo section, some button like posts, Menu, friend suggestion etc and a profile photo section.

3. Code for experiment/practical:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Facebook Clone</title>
<link rel="stylesheet" href="styles.css">
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<link rel="stylesheet" href="test.css">
</head>
<body>
<!-- Header Section -->
<header>
<div class="logo">Facebook</div>
<div class="search-bar">
<input type="text" placeholder="Search Facebook">
</div>
<div class="header-icons">
<span>👤</span>
<span>✉</span>
```

```

<span>👤 </span>
</div>
</header>
<div class="container">
<aside class="sidebar">
<ul>
<li>🏠 Home</li>
<li>👥 Friends</li>
<li>🎬 Watch</li>
<li>🛒 Marketplace</li>
<li>📄 Pages</li>
</ul>
</aside>

<main class="feed">
<div class="create-post">
<textarea placeholder="What's on your mind?"></textarea>
<button>Post</button>
</div>
<div class="post">

<div>
<p><strong>Khushi</strong></p>
<p>Had an amazing day at the park!</p>


</div>
</div>
<div class="post">

<div>
<p><strong>Ananya</strong></p>
<p>Excited for the weekend. Any plans? 🎉</p>
</div>
</div>
<div class="post">

<div>
<p><strong>Harsh</strong></p>
<p>Just finished a great book. Highly recommend it!</p>
</div>
</div>
</main>

```

```
<aside class="contacts">
<h4>Contacts</h4>

<ul>
<li>John</li>
<li>Jane</li>
<li>Emily</li>
</ul>
<h4>Friend Requests</h4>
<div class="friend-request">
<div class="friend-request-info">

<span>Rahul Mukharjee</span>
</div>
<button>Accept</button>
</div>
<div class="friend-request">
<div class="friend-request-info">

<span>Sarah Yadav</span>
</div>
<button>Accept</button>
</div>
<div class="friend-request">
<div class="friend-request-info">

<span>Preety Jhonson</span>
</div>
<button>Accept</button>
</div>
</aside>
</div>
```

```
<script>
$(document).ready(function() {
$(".create-post button").click(function() {
const postContent = $(".create-post textarea").val();
if (postContent.trim() !== "") {
const newPost = `<div class='post'>
<img src='https://via.placeholder.com/50' alt='User'>
<div>
<p><strong>User Name</strong></p>
<p>${postContent}</p>
</div>
</div>`;

```

```

$(".feed").prepend(newPost);

$(".create-post textarea").val("");
} else {
    alert("Please write something before posting!");
}
});
});
</script>
</body>
</html>
```

CSS

```

body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #dadee4;
}
```

```

header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    background-color: #1877f2;
    color: white;
    padding: 10px 20px;
    position: sticky;
    top: 0;
    z-index: 1000;
}
```

```
.logo {
    font-size: 24px;
    font-weight: bold;
}
```

```
.search-bar input {
    padding: 5px;
    border-radius: 20px;
    border: none;
    outline: none;
}
```

```
.header-icons span {  
    margin: 0 10px;  
    cursor: pointer;  
}
```

```
.container {  
    display: flex;  
    margin: 20px;  
}
```

```
.sidebar {  
    flex: 1;  
    background: #1877f2;  
    padding: 10px;  
    border-radius: 10px;  
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);  
}
```

```
.sidebar ul {  
    list-style: none;  
    padding: 0;  
}
```

```
.sidebar ul li {  
    padding: 10px;  
    margin: 5px 0;  
    cursor: pointer;  
    border-radius: 5px;  
    transition: background 0.3s;  
}
```

```
.sidebar ul li:hover {  
    background: #0e0e0e;  
}
```

```
.feed {  
    flex: 2;  
    margin: 0 20px;  
}
```

```
.create-post {  
    background: rgb(93, 90, 90);
```

```
padding: 15px;  
margin-bottom: 20px;  
border-radius: 10px;  
box-shadow: 0 2px 5px rgba(14, 14, 14, 0.1);  
}
```

```
.create-post textarea {
```

```
width: 100%;  
border: none;  
outline: none;  
resize: none;  
padding: 10px;  
border-radius: 10px;  
background: #f4f7fa;  
}
```

```
.create-post button {  
display: block;  
margin: 10px auto 0;  
padding: 10px 20px;  
background: #1877f2;  
color: white;  
border: none;  
border-radius: 20px;  
cursor: pointer;  
transition: background 0.3s;  
}
```

```
.create-post button:hover {  
background: #1877f2;  
}
```

```
.post {  
background: rgb(20, 19, 19);  
padding: 15px;  
margin-bottom: 20px;  
border-radius: 10px;  
box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);  
display: flex;  
align-items: flex-start;  
}
```

```
.post img {
```

```
width: 50px;  
height: 50px;  
border-radius: 50%;  
margin-right: 10px;  
}
```

```
.contacts {  
flex: 1;  
background: #1877f2;
```

```
padding: 10px;  
border-radius: 10px;
```

```
box-shadow: 0 2px 5px rgba(14, 13, 13, 0.1);  
}
```

```
.contacts ul {  
list-style: none;  
padding: 0;  
}
```

```
.contacts ul li {  
padding: 10px;  
margin: 5px 0;  
border-radius: 5px;  
transition: background 0.3s;  
cursor: pointer;  
}
```

```
.contacts ul li:hover {  
background: #0f1010;  
}
```

```
.friend-request {  
background: #030404; display: flex;  
justify-content: space-between;  
align-items: center;  
box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
```

```
}
```

```
.friend-request img {
```

```
width: 40px;
height: 40px;
border-radius: 50%;
margin-right: 10px;
}
```

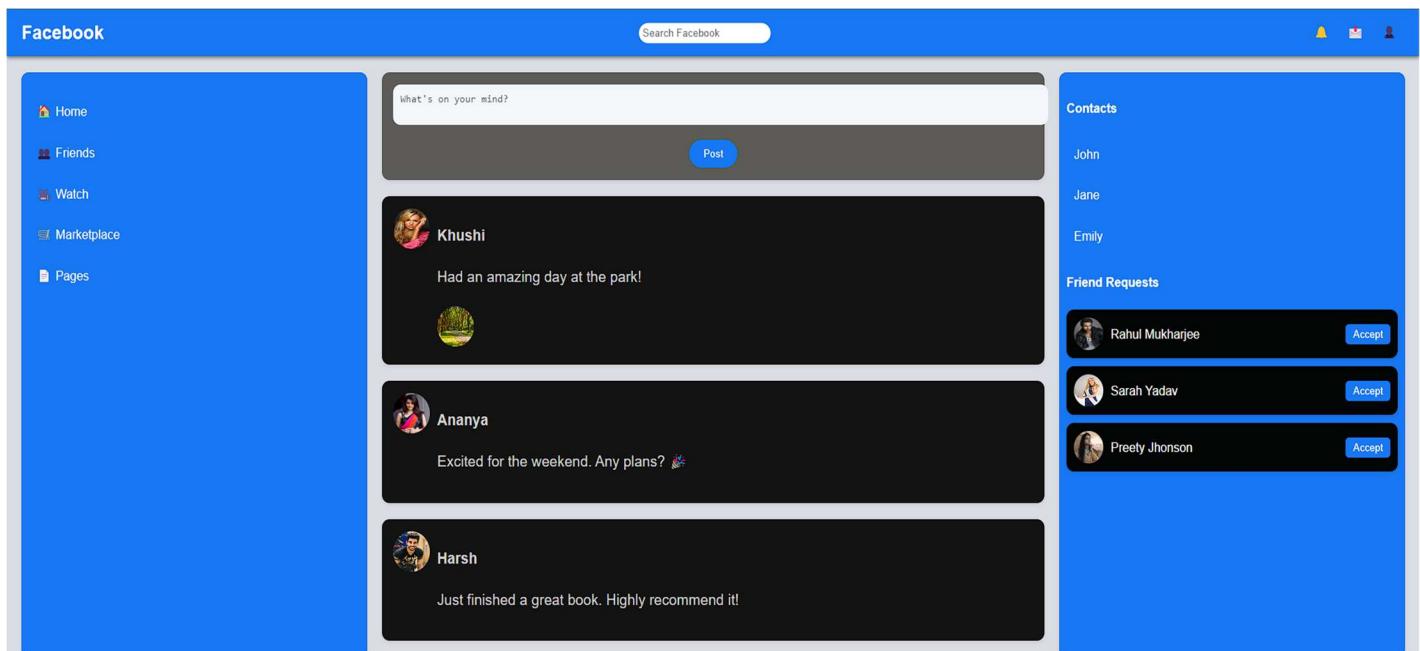
```
.friend-request-info {
display: flex;
align-items: center;
}
```

```
.friend-request button {
padding: 5px 10px;
border: none;
background-color: #1877f2;
color: white;
transition: background 0.3s;
}
```

```
.friend-request button:hover {
```

```
background-color: #1877f2;
}
```

4. OUTPUT: -

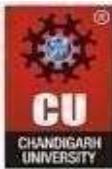


The screenshot displays a user interface for a social media platform, likely a clone of Facebook. The top navigation bar includes the word "Facebook" and a search bar labeled "Search Facebook". On the far right of the header are three small icons: a bell, a message, and a person.

The left sidebar contains links to "Home", "Friends", "Watch", "Marketplace", and "Pages". The main content area shows a news feed with three posts:

- Khushi**: "Had an amazing day at the park!" (with a photo thumbnail)
- Ananya**: "Excited for the weekend. Any plans? 🎉"
- Harsh**: "Just finished a great book. Highly recommend it!"

The right sidebar features two sections: "Contacts" and "Friend Requests". The "Contacts" section lists "John", "Jane", and "Emily". The "Friend Requests" section shows three pending friend requests from "Rahul Mukharjee", "Sarah Yadav", and "Preety Jhonson", each with an "Accept" button.



5. Learning outcomes (What I have learnt):

1. Learn how to structure a webpage using semantic HTML elements like div, button, img, and input to create a functional user interface.
2. Understand the use of **CSS properties** to style elements (like background, border-radius, flex, position) and create visually appealing designs.
3. Learn how to use event listeners (e.g., addEvent Listener) to make UI elements interactive, like responding to button clicks with alerts.
4. Understand the importance of aligning the frontend (HTML and CSS) with functionality (JavaScript) for an engaging user experience.
5. Learn how to organize content into reusable components like profile sections, navigation tabs, and input fields.

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet		8 Marks
2.	Viva		10 Marks
3.	Simulation		12 Marks
	Total		30 Marks

Teacher Signature