

Assessment Documentation
Social Media Application



“Requirement Document”

Presented by :

Abdur Rehman

(Training-Batch:2 Front End Developer)

Table of Contents

Table of Contents	2
1. Abstract	3
2. Introduction	3
2.1. Product	3
2.2. Objectives	3
3. Technical Architecture	3
3.1. Application and Data Architecture	3
4. Screens:	5
5. Project Plan	6

1. Abstract

HTML, CSS & JS are the core concepts of front end development, and for seeking the grip on these, this project is created as it a simple social media application in which is created with the help of restful APIs (dummy JSON) and its integration with the HTML components through Javascript.

2. Introduction

2.1. Product

The end product as completion of this project will be a social media app in which users can login, all posts will be displayed there, users can search for specific posts and apply crud operations on comments.

2.2. Objectives

Main object of building this application is the learning of core concepts of HTML, CSS, JS and API integration using fetch call, promises and async/await operations.

3. Technical Architecture

3.1. Application and Data Architecture

Technical Architecture of this application revolves around JS and dummy JSON. Once the user opens the application login page appears in front of him/her and the token will be saved in local storage. User put credentials and a POST request is generated to fetch the user authentication if it successes the user will be redirected to the home page, On initializing the home page getAllPosts() function gets hit and send an api call to get all the posts for that user and predefault there were 10 posts appeared on screen user can click on load more button to load more 10 posts. Users can search specific posts and apply crud operation of post comments.

Media Queries for different sizes of screen are as follows:

```
@media (max-width: 1200px)  
@media (max-width: 1000px)  
@media (max-width: 600px)
```

Functions written in JS are as follows:

```
// Functions to Logout User
logout.addEventListener("click", () => {...});

// Functions to Enable/Disable Comment Card
function commentDropdown() {...}

// OnInitializeFunction
async function onInitialize(presentPostsCount, searchInput = "") {...}

searchBtn.addEventListener("click", () => {...})

// Function to toggle menu in Mobile View Menu
function menuDropdown() {...}

// Function to toggle Profile Menu
function settingsDropdown() {...}

// Functions to Dark/Light Mode
menuDarkButton.onclick = function () {...};
```

4. Screens:

The image displays three screenshots of a Social App interface, likely from a web browser or a mobile application.

Screenshot 1: Login Screen

A window titled "Social App" shows a login form with fields for "Username/email" and "Password", and a "Login" button.

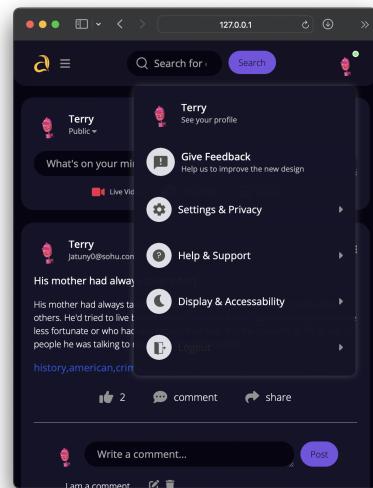
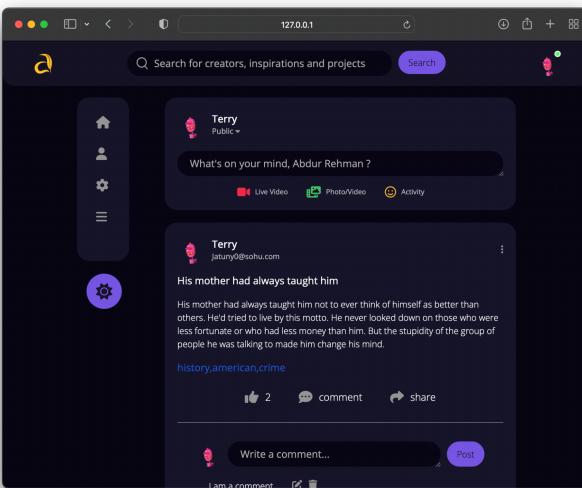
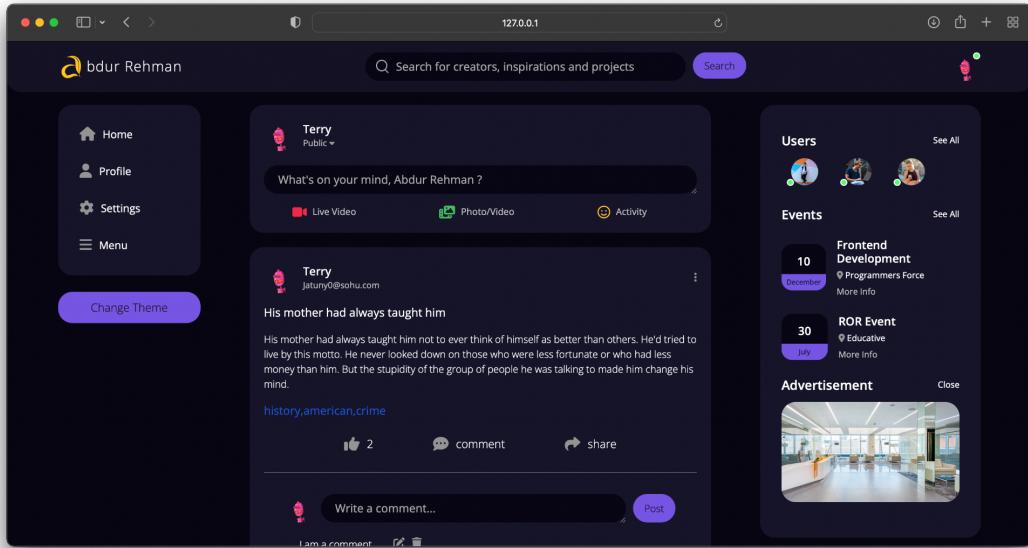
Screenshot 2: Home Screen

A main dashboard for user "bdur Rehman". The sidebar includes "Home", "Profile", "Settings", and "Menu". The main area shows a post by "Terry" with the text: "What's on your mind, Abdur Rehman ?" and options for "Live Video", "Photo/Video", and "Activity". Below it is another post by "Terry" with the text: "His mother had always taught him" followed by a detailed paragraph about his mother's teachings and his personal philosophy. There are like, comment, and share buttons, and a "Post" button for writing a new comment. A sidebar on the right lists "Users" and "Events".

Screenshot 3: Profile Screen

A detailed view of the profile for user "Terry". It shows the same post about his mother and includes a larger image of a modern office or study room. The profile page also features a sidebar with navigation icons.

Dark Mode:



5. Project Plan

The project is created in 3 days the workload breakdown is as follows:

	DAY-1	Status
1	HTML code writing	Completed
2	CSS classes creation	Completed

	DAY-2	Status
1	Media queries for 3 different screen sizes	Completed
2	User Authentication through fetching api	Completed

	DAY-3	Status
1	Loading post and implementation of LoadMore button	Completed
2	Search specific post and displaying comments	Completed