



Low Level Document (LLD) Website Clone (Twitter)

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Pushpal Hedau



DECLARATION

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources.

I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission.

I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Revision History

Version	Date	Author	Approver	Comments
0.1	22-02-2023	Pushpal Hedau		Recommended version
0.2	23-02-2023	Pushpal Hedau		Considered adding certain options, such as screen validations, important notes, and qualities
0.3	24-02-2023	Pushpal Hedau		Thought about suggestions for document format, such as updating the version or putting a section there for unresolved concerns, etc.
0.4	25-02-2023	Pushpal Hedau		considered several improvements, such as the proper sequence diagram and modifications to the data design portions, etc.
1.0	26-02-2023	Pushpal Hedau		Standard version



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1. Introduction:

1.1 Scope of the Document

- This section will provide information on the document's scope.
Low level design documents will be at the component level, i.e., there will be one LLD for a website portal.

1.2 Intended Audience

This section will discuss the various types of audiences who may consult or evaluate this paper.

1.3 System Overview

- This section will provide an overview of the system application, including the systems for which it is being created.
- Who are the system's stakeholders?
- What other external systems will this be connecting with?

2. Project Briefing:

A web application called a "Twitter clone" is made to mimic the key functions of the well-known social networking site Twitter. To give users another venue for exchanging quick messages, photographs, and links while connecting with others in real-time, a Twitter clone was developed. Users may often establish a profile, follow other users, make tweets, retweet them, like them, and react to them using the programme. Other features like hashtags, hot topics, direct chat, and alerts may be added to the clone.

Modern online technologies like HTML, CSS, JavaScript, and backend programming languages like Python, Ruby, or PHP are used in the creation of Twitter clones. In order to protect user privacy and security, the application has to employ both an authentication mechanism and a database to store user data and tweets.

As it necessitates knowledge of online application architecture, database design, and user interface development, building a Twitter clone might be a helpful exercise for aspiring web developers. It may also be a tool to test out new Twitter platform features or enhancements.

Ultimately, a Twitter clone offers consumers a different way to interact with others online and may be a useful tool for web development learning and experimentation.

3. Problem Statement:

Create clones of famous websites such as Netflix, YouTube, Twitter, Amazon, Flipkart, Swiggy, Zomato, IRCTC, etc. The website you are making a clone of should be reputed and not a dull one. It should contain challenging design to get your project approved.

4. Problem Solution:

Initially Twitter has a simple, contemporary design that is not too difficult to imitate. As a result, rather than having to struggle with challenging design features, learners may concentrate on honing their front-end development abilities. Second, Twitter offers an easy-to-use design that enables seamless interaction between users and the service. Students may obtain practical experience in developing user-friendly interfaces by imitating this style. In conclusion, creating a replica of the Twitter website may be a great method for learners to improve their front-end programming abilities while working on a practical project with wide appeal.

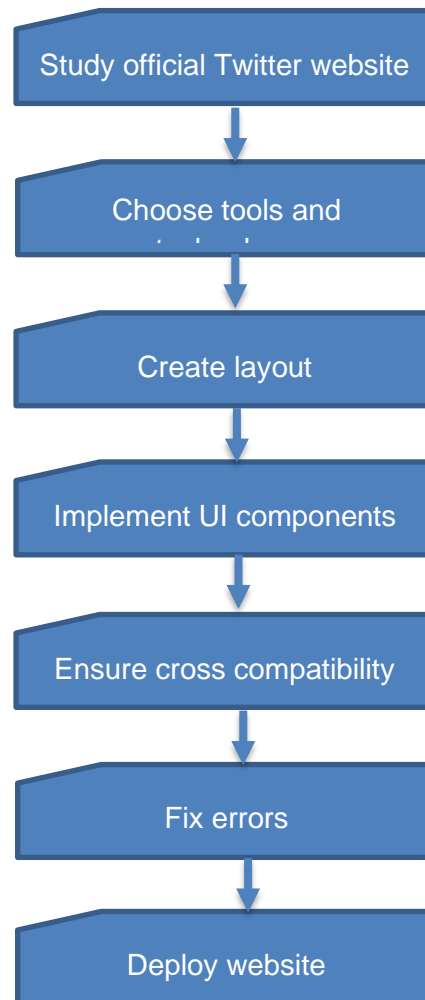
5. Objective of the Project:

By developing a platform that delivers comparable functionality and capabilities to the original Twitter platform, the frontend clone Twitter project's primary goal is to obtain practical expertise in web application development. Developers may learn how to create a variety of front-end capabilities, such as user authentication, real-time updates, and dynamic content presentation, by working on the project. The project also offers a chance to test out novel features and design strategies that may enhance the user experience as a whole. Cloning Twitter's front-end is ultimately intended to create a platform that may eventually succeed as a social media site in its own right, drawing in a committed user base and earning income through advertising or premium subscriptions.

6. Scope of Project:

The frontend Twitter clone project's scope is broad and can include a variety of features and functions that are present in the original Twitter platform. As the platform develops and flourishes, the project may also be expanded over time to accommodate new features and functions. Overall, the frontend cloning Twitter project's scope may offer developers a difficult and gratifying project that improves their web application development abilities.

7. Workflow Diagram:



8. Requirements Gathering:



- Xampp Server Localhost
- Visual studio software
- Knowledge about front-end development languages
- UI/UX designer
- Few Github Non copyrighted source codes

9. Analysis:

Reusability is another aspect of my project that will enable me to expand its functionality, increase its compactness, and enhance its user interface. The looks and functionality of Twitter are used throughout my whole project to develop and practise front-end abilities.

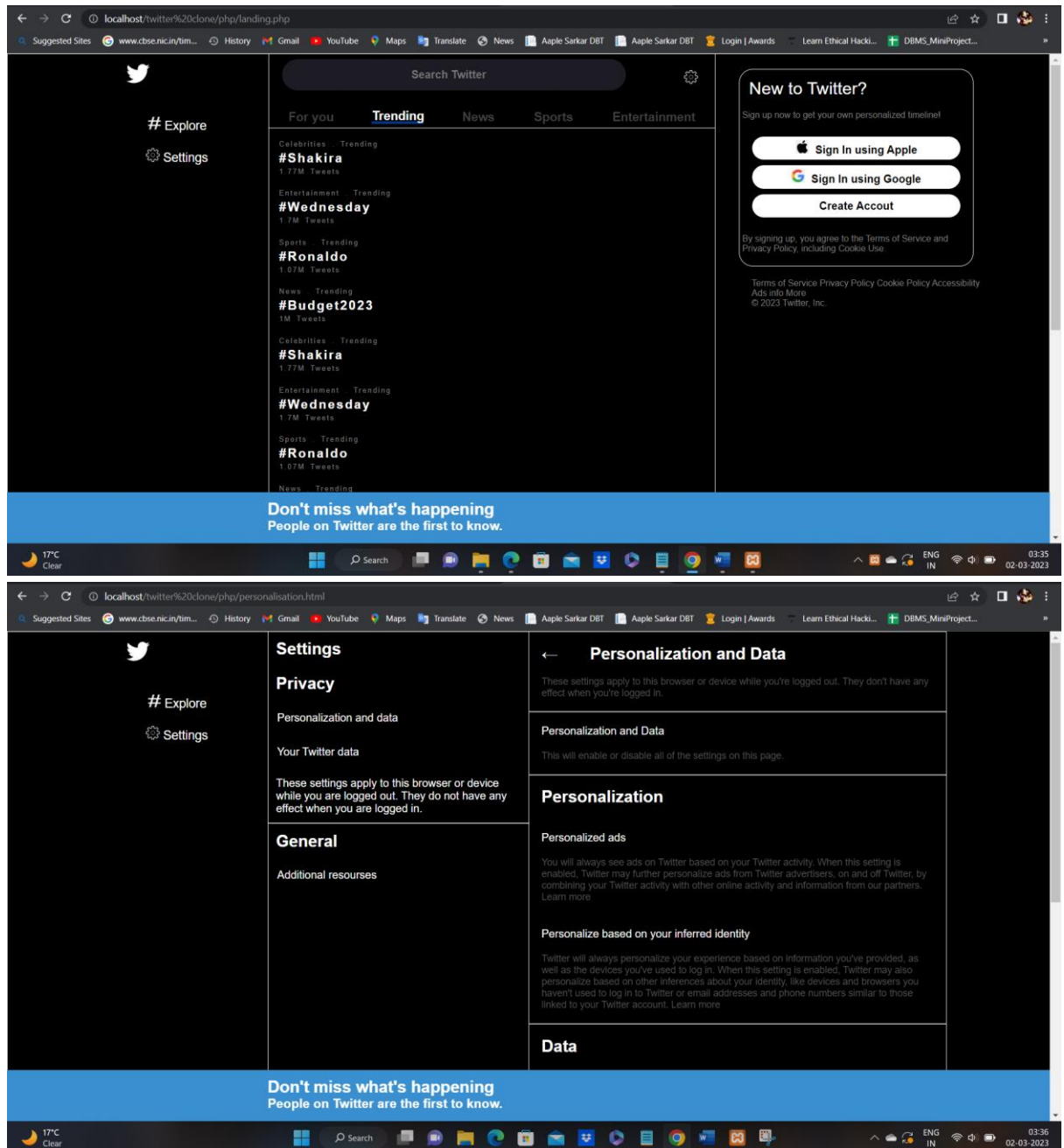
We adhere to application compatibility since I have utilised front-end languages like HTML, CSS, and Javascript, which are compatible with all browsers.


Twitter's front end is cloned while considering resource use. For front-end development, it's important to integrate a variety of resources, such as HTML, CSS, JavaScript, images, and other media assets. The utilisation of these resources must be optimised in order to guarantee that the website functions properly and provides a positive user experience.

The software is published on GitHub. To prevent copyright issues, the entire project is not hosted online. Nevertheless, both the output and the given recorded video may be viewed and reviewed offline on personal PCs.

Finally, replicating the Twitter front-end is a great undertaking for web developers to hone their skills and gain practical experience creating online apps. By copying Twitter, developers may learn how to implement a variety of front-end features, such as user authentication, real-time updates, and dynamic content display. Users may also test out brand-new functions and design ideas, providing the platform an opportunity to differentiate itself from the competition. To accurately replicate Twitter's front end, developers must consider the user experience, resource use, error handling, and other factors. In the end, a Twitter clone that is well-optimized and designed might offer a distinctive platform for specialised markets and possibly make money through advertising or subscriptions.

10. Final Screenshot of Project Output





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Personalization and data

Your Twitter data

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General

Additional resources

Additional Resources

Check out other places for helpful information to learn more about Twitter products and services.

Release notes

Release notes

Legal

Ads info

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Privacy Policy

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