High Level Design (HLD)

Web Cloning Frontend Project

Last date of revision: 29 June 2022

Yogesh Giri

Document Version

Control

Date	Work	Work By
12/06/2022	Chose to work on flipkart clone	Yogesh Giri
14/06/2022	Started designing and observe the structure of website	Yogesh Giri
15/06/2022	Blueprint completed and started working on it	Yogesh Giri
21/06/2022	Writing proper HTML and taking help from bootstrap documentation	Yogesh Giri
29/06/2022	Gave project a final touch and checked for errors(if any)	Yogesh Giri

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Abstract

WEBSITE CLONING IS THE PROCESS OF CREATING A REPLICA OF YOUR EXISTING WEBSITE DESIGN OR CONTENT TO CREATE A NEW WEBSITE WITH EASE. WEBSITE CLONING LETS DEVELOPERS AND DESIGNERS CREATE BLUEPRINTS, TEST COMPATIBILITY, AND PERFORM UPDATES SAFELY BEFORE IMPLEMENTING THE CHANGES ON YOUR LIVE WEBSITE. WEBSITE CLONING IS A FAIR USE ISSUED BY COMPANY UNTIL IT IS HOST BY ANY USER ON RESPECTIVE DOMAIN. IF YOU ARE A WEB AGENCY OR BUILD WEBSITES FOR CLIENTS, YOU MAY WANT TO CREATE A BLUEPRINT AND COPY IT TO ANOTHER LOCATION TO SPEED UP THE DEVELOPMENT PROCESS. MOST OF THE TIME THESE SETUPS INCLUDE THEME & PLUGINS CONFIGURATIONS, CODE-LEVEL CUSTOMIZATIONS, ETC.

Introduction

1. Why this High-Level Design Document?

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding and can be used as a reference manual for how the modules interact at a high level.

The HLD will:

- Present all the design aspects and define them in detail
- Describe the user interface being implemented
- Describe the hardware and software interfaces
- Describe the performance requirements
- Include design features and the architecture of the project

2. Scope

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly technical terms which should be understandable to the administrators of the system.

3. Definition

The terms used in the projects are:

- Bootstrap –Framework of CSS

- jQuery - Framework of Javascript

- <div>,<p>,<hr> etc -tags in HTML

General Description

ABOUT CLONING OF WEBSITE

HEAD

First part we will encountering in our website will be the head which contains favicon and secondly I haven't made any external CSS but instead I have used internal CSS i.e all styling part is done internally and has been included inside head tag.

BODY

Next and the main part of my project is Body where most of the basic HTML code is written powered by different classes and id's which has been already styled inside style tag of head part

Footer

Footer includes some of javascript queries following:

```html
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
    crossorigin="anonymous"></script>
  <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
```
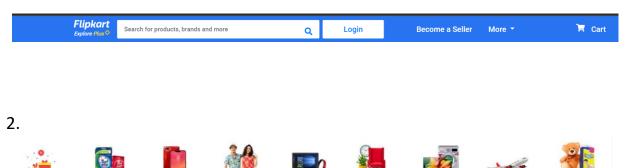
Compatibility Test

Compatibility Testing involves checking whether the website components are working as expected and the entire code base is capable of running on various hardware and/or software infrastructure.

It is always recommended to test changes on a staging/cloned website instead of a live website, mainly because untested themes and plugins could conflict with the existing installation and bring down the entire website. Similarly, any custom changes in the code need to be tested at a staging/cloned site before it can be pushed to the live site.

To create the machine learning based solution to predict air quality index based on the parameters.
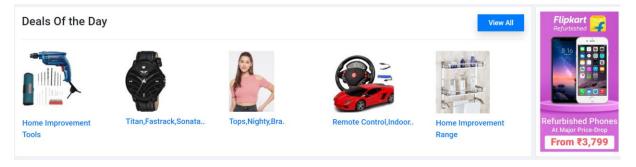
Design Details

1.

2.

3.

4.

2. Error Handling

I was doing this project in a proper guide of google and youtube and faced problem with designing at first but never got an error in the whole project.

Performance

1. Reusability

This website is made in such a way to be knowned for its reusability. User can reuse easily.

2. Application compatibility

Used languages are Javascript ,HTML and CSS .So they are compatible in any platform by any user.

3. Deployment

The code is deployed in GitHub.

Conclusion

This project proposes the Frontend Development model for Website Cloning .
This is just a clone ,used for study purpose .

References

1. https://getbootstrap.com/docs/5.0/customize/options/
2. https://colorhunt.co
3. https://www.w3schools.com/css/css_icons.asp
4. https://www.iconfinder.com/search?q=flipkart
5. https://www.youtube.com/watch?v=xhWHf-bMEIk&t=749s