A Project Report

on

"PHONEFITS"

A Personality based Smartphone Recommendation System

submitted in fulfillment of the requirements for completion of SE project of

TY COMP

in

Computer Engineering

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PROJECT TITLE

PhoneFits: A Personality based Smartphone Recommendation System

PROBLEM STATEMENT

The problem is that many people are making uninformed smartphone purchase decisions that do not align with their specific needs and preferences, resulting in dissatisfaction with their device and potential wasted money. This can be due to the overwhelming number of options available, the difficulty of comparing features and specifications, and a lack of personalized recommendations. As a result, individuals may end up with a device that does not meet their specific needs or fully utilize its capabilities.,

PhoneFits website provides a quiz which analyses your personality based requirements and recommends smartphones which is best suited to your personality with your requirements.

OBJECTIVES

- 1. Personalized recommendations: Provide personalized recommendations to users based on their personality traits and preferences.
- 2. Improved user experience: Provide an intuitive and easy-to-use interface that enhances the user experience and encourages users to return.
- 3. Increased customer satisfaction: By providing accurate recommendations, the website can increase customer satisfaction and help users find a smartphone that meets their needs.
- 4. Data collection: The website can collect data on users' preferences and behaviors, which can be used to improve the accuracy of recommendations and to inform marketing strategies.

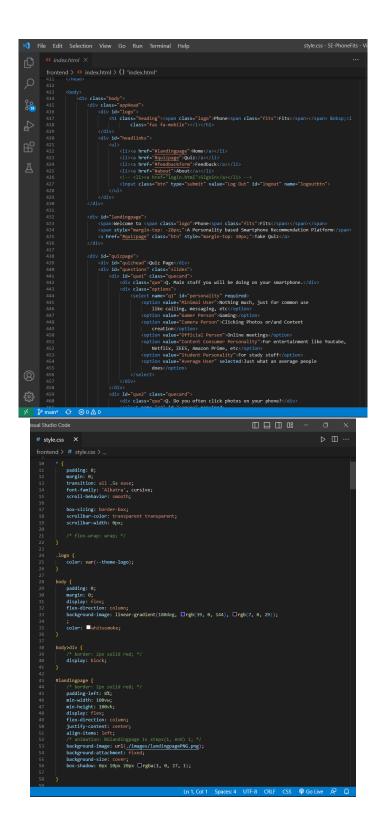
FUNCTIONALITIES

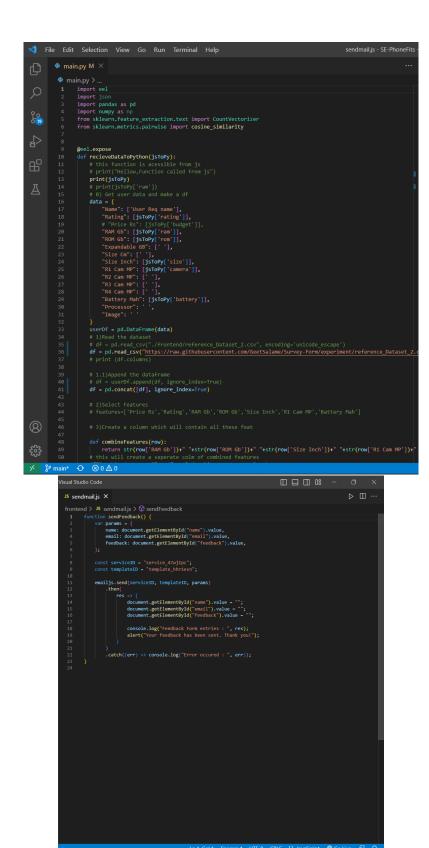
- 1. User registration and profile creation: Allow users to register for an account and create a profile that includes relevant information.
- 2. Personality assessment: Provide a personality assessment tool that helps users identify their personality traits and preferences related to smartphones.
- 3. Smartphone recommendation: Suggests smartphones based on users' personality traits, preferences, and other relevant information.
- 4. Smartphone comparison: Allow users to compare different smartphones based on their features, specifications, and prices that are already given while displaying them on suggestion page.
- 5. Buy Links: Users are redirected to Ecommerce websites like Flipkart and Amazon where they can find their selected phone.
- 6. User feedback: Allow users to provide feedback on the recommendations they received, which can help improve the accuracy of future recommendations.

CODING SCREENSHOTS

```
Tile Edit Selection View Go Run Terminal Help
                                                                                                                                           login.css - SE-PhoneFits - Vi
          function navToHomePage() {
    // window.location.href = "index.html";
    window.location.replace("index.html");
                         window.location.replace( index.ntml );
}
</script>
<!-- <script src="firebase_auth.js"></script> -->
                       <!-- <Button id='login oncire
</div>
</div>
</div id='signupsection'>
<input type='text" name="username" id='signupusername" placeholder="Name">
<input type='real' name='useremail' id='signupuseremail' placeholder='Email'>
<input type='password' name='userpassword' id='signupuserpassword' placeholder='Password'>
<input type='submit' value='sign Up' id='signup' name='signupbtn'>
<a href='sstart'>Already have an account'> Sign Int/a>
<!-- <Button id='login' onclick='navToHomePage()'>Login</button> -->
    $° main* → ⊗ 0 🛆 0
                                                                                                                 # login.css X
                                                                                                                                                   ▶ Ш …
     frontend > # login.css > ...

1 | pimport unl('https://fonts.googleapis.com/css2?family-Alkatra:wght@660&family-Lobster&display-swap');
              :root {
    --theme-logo: ■rgb(0, 255, 255);
    --theme-pri: □rgb(39, 0, 144);
    --theme-pri: □rgb(39, 0, 144);
                   padding: 0;
margin: 0;
transition: all .5s ease;
font-family: 'Alkatra', cursive;
scroll-behavior: smooth;
                    box-sizing: border-box;
scrollbar-color: transparent transparent;
scrollbar-width: 0px;
                   height: 100vn;
display: flex;
flex-direction: column;
padding: 10%;
justify-content: center;
align-items: center;
                    background-image: url(./images/landingpageDim.png);
background-attachment: fixed;
background-size: cover;
              , border: 2px outset □rgba(255, 255, 255, .1); box-shadow: θpx θpx 2θpx var(--theme-logo); backdrop-filter: blur(2px);
              #loginhead {
    display: flex;
    flex-direction: row;
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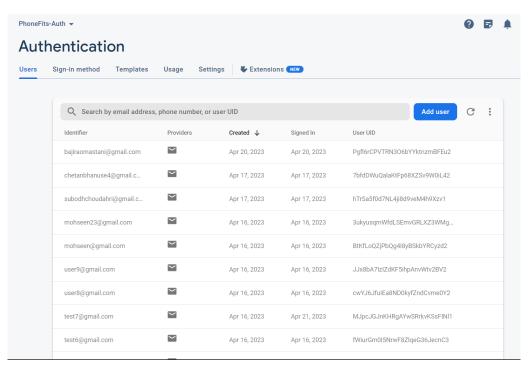




RESULT DEMO



Login Page



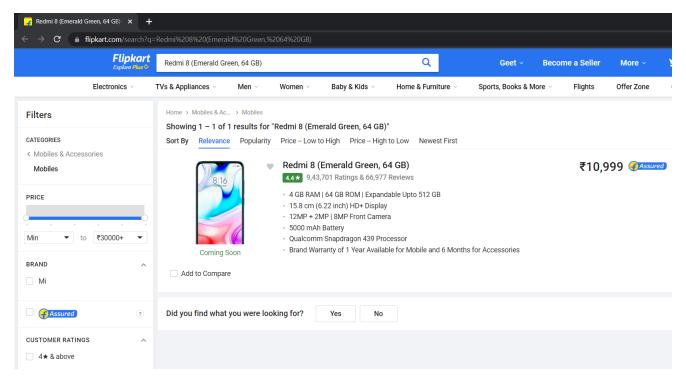
User Login data stored



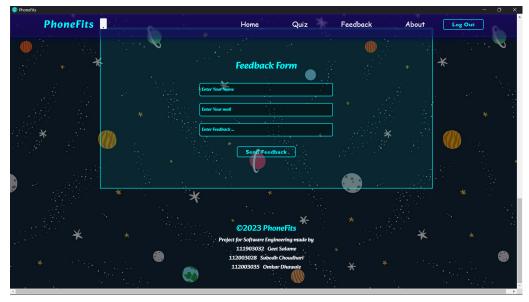
Quiz Page



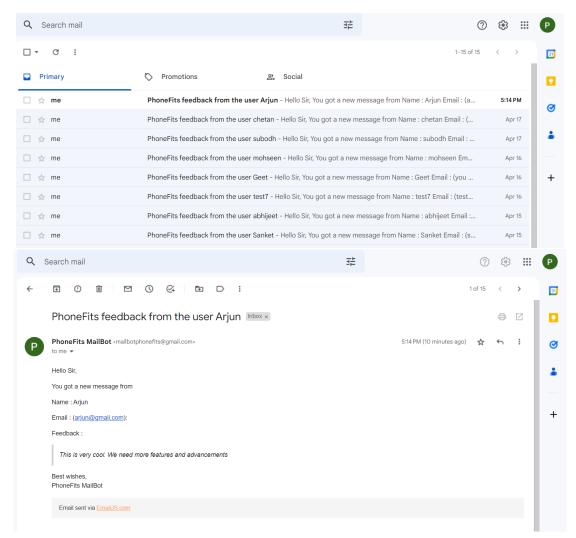
User getting suggestions



User redirected to Ecommerce site



Feedback Page



User Feedback getting mail to PhoneFits

FUTURE SCOPE

- 1. Integration with emerging technologies: The website can integrate with emerging technologies such as Artificial Intelligence (AI) and Machine Learning (ML) to improve the accuracy of recommendations and provide a more personalized experience for users.
- 2. Expansion to other consumer products: The website can expand its services to suggest other consumer products such as laptops, tablets, and wearables based on user personality traits and preferences.
- 3. Internationalization: The website can expand its services to cater to international markets and provide recommendations for smartphones and other consumer products in different languages and currencies.
- 4. Customization: The website can allow users to customize their recommendations by prioritizing specific features or specifications based on their preferences.
- 5. Data privacy and security: The website can enhance its data privacy and security measures to protect user information and comply with emerging data privacy regulations.
- 6. Personalized marketing: The website can use the user data collected to provide personalized marketing to users and offer targeted promotions and discounts based on their preferences and behaviors.