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Voice Text AI System

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ABSTRACT: The send-off of Voice, text AI system language-age model has raised alerts inside numerous areas, particularly the scholarly area. With its capacity to create human-like text in light of a lot of information. As of late, the ascent of cutting edge man-made reasoning innovations significantly affects many fields, including training and examination. One such innovation is ChatGPT, a strong enormous language model created by OpenAI. This innovation offers invigorating open doors for understudies and instructors, including customized input, expanded availability, intelligent discussions, illustration planning, assessment, and better approaches to show complex ideas.on the basis of chatgpt we have made new idea of making website that is similar to chatgpt but it has one unique feature that is voice integration and it has data backup as well. Moreover, for programming learning, we investigate how VT AI system,assists understudies with further developing their programming abilities.

KEYWORDS: ChatGPT, AI, chatbot, artificial intelligence, higher education, natural language processing, transformers.

I. INTRODUCTION

VT AI System is a created to mimic human-user communication, particularly on the internet. It understands user inputs and responds in a conversational manner by utilizing artificial intelligence (AI) and natural language processing (NLP) techniques. It's main objective is to assist, inform, or carry out activities for users in a manner that closely resembles human communication. This technology helps the user by providing them the information any format they want like Text based or voice based information. The user can type their questions and the user will get response back or revert back the answers. This technology learns from user interactions, adapts to new patterns, and enhances their ability to provide accurate and relevant responses. AI cannot process sometime accurate data but this problem will not happen many times. The VT AI finds applications in various domains, including customer service, e-commerce, healthcare, education, and more. They offer a scalable and efficient way to handle routine interactions, freeing up human resources for more complex tasks.

While reading some previous research paper related to ChatGPT, we are implementing one new website called Voice, Text AI SYSTEM. In this system, we are implementing two main activities: one is Text generator and another one is Voice generator. Basically, when a user sends a search through text, the first main activity is the text generator, which replies in chat format. In the second main activity, the voice generator allows the user to send the search through voice, and the reply will be returned in text format. Languages we are using are HTML5, CSS3, Bootstrap (v5), JavaScript, Material Design, and Bootstrap for design purposes and for development. We use PHP 8.3, and for the database, we use MySQL.

II. LITERATURE REVIEW

1. Use of ChatGPT in programming bugs, author -Nigar M. Shafiq Surameery, Mohammed Y. Shakor. The paper examines the characteristics of Chat GPT and how they can be leveraged to provide debugging assistance, bug prediction, and bug explanation to help solve programming problems.

2. Role of ChatGPT in education, author -Som Biswas. This paper examines ChatGPT as a versatile tool that can aid in open education by providing personalized support, direction, and feedback to autodidactic learners, thus increasing motivation and engagement. 3. Generative AI and ChatGPT: Applications, challenges, and AI-human collaboration, author -Fiona Fui-Hoon Nah, Ruilin Zheng, Jingyuan Cai, Keng Siau & Langtao Chen. This paper examines. This paper presents a comprehensive overview of the applications and challenges associated with Generative AI, specifically examining the case of ChatGPT.

4. An Intelligent Behaviour Shown by Chatbot System, author-Vibhor Sharma, Monika Goyal, Drishti Mali.. The main aim of their creation was to resemble a human being in the way they perform said interaction, trying to make user think that they are writing to a human.

This survey paper specifically focuses on a voice text AI system, discussing different approaches and how useful can be this research for the public use.

III. EXISTING SYSTEM

The existing system is ChatGPT is an artificial intelligence (AI) chatbot that uses natural language processing to create humanlike conversational dialogue. The language model can respond to questions and compose various written content, including articles, social media posts, essays, code and emails. ChatGPT is a form of generative AI -- a tool that lets users enter prompts to receive humanlike images, text or videos that are created by AI. ChatGPT is similar to the automated chat services found on customer service websites, as people can ask it questions or request clarification to ChatGPT's replies. The GPT stands for "Generative Pre-trained Transformer," which refers to how ChatGPT processes requests and formulates responses. ChatGPT is trained with reinforcement learning through human feedback and reward models that rank the best responses. This feedback helps augment ChatGPT with machine learning to improve future responses. OpenAI -- an artificial intelligence research company -- created ChatGPT and launched the tool in November 2022. It was founded by a group of entrepreneurs and researchers including Elon Musk and Sam Altman in 2015. OpenAI is backed by several investors, with Microsoft being the most notable. OpenAI also created Dall-E, an AI text-to-art generator

IV. METHODOLOGY

1. First User will signup if user is not registered! (Signup with email id, password, name, mobile number) Then login - in this user will login with email id password (data is stored from signup if matched the details its redirect to next page if not match then user will get info email id not registered or password not matching type error which one is fulfill here). After this user get 2 options One is text based search, one is voice based search, On main page, User will enter the question or keywords if that things matched with our data base in available questions answers will be shown here, If not matched then message will be shown here — results not found and the same method for voice research, all the search history is saved and user can delete the search history. Flow of admin side Login - login with email id password (that email id & password is pre-defined) If conditions is matched then redirect to main dashboard page, Dashboard at we set some of dynamic numbers like how much register users, how much questions available in your database. Manage questions & answers - There is we fetched the question and answers From the databases, Which one you already added, You can remove any of questions, Or you can add new questions. Add new questions—There is field Enter questions (text box), Enter key words (text area or multiple key words), Enter answers (text area with details ck editor), Image (many questions answered is available with the images answer so from this you can attach the images too in the answers). Manage register user - There you can check how much registered users are there with the details like email id answer other details of the users.

In front end we add profile management-User can edit the profile like, Mobile number, profile picture, etc., But not change in email id.

FLOW DIAGRAM

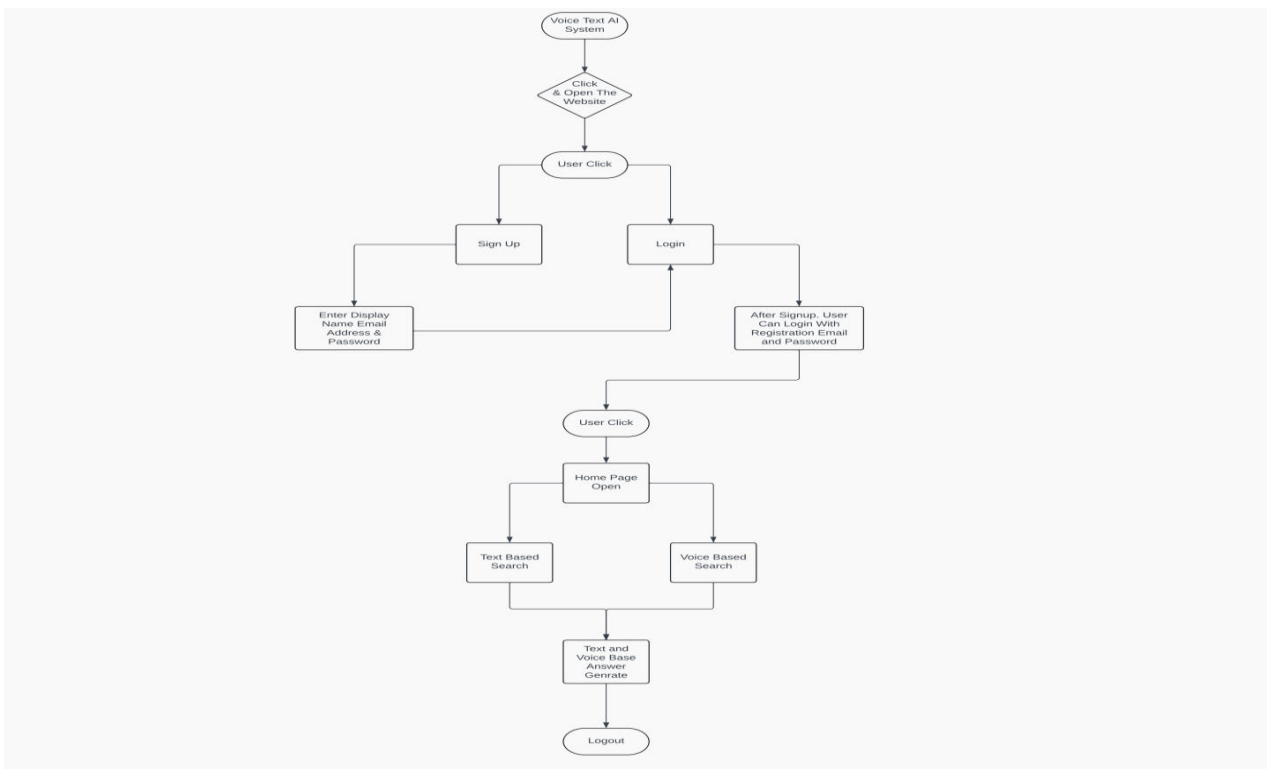


Fig1-User side

flow diagram

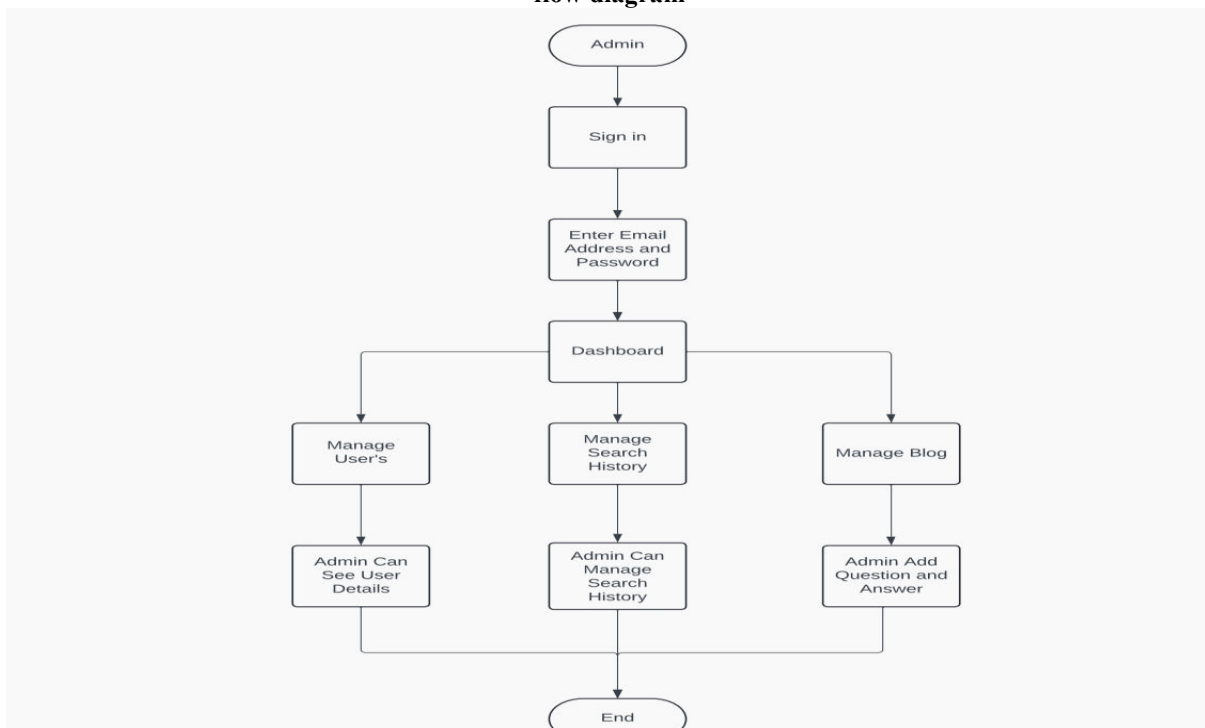


Fig2-admin side flow diagram

V. CONCLUSION

Finally, the building of a VT AI SYSTEM by utilizing Html5,css3,bootstrap(v,5),JavaScript was a success. The program allows users to easily search for, data that user want to search . The website was developed in an efficient and effective manner thanks to the usage of Html5,css3,bootstrap(v,5),JavaScript technologies.Because it provides a scalability ,reliability to the user and this website is user friendly.This website provide the exact and accurate data to the users .Sometimes the data might be different but we overcome that problem as well.Furthermore, the website development process demonstrated advantages of using the Html5,css3,bootstrap(v,5),JavaScript.Overall, the VT AI website created using Html5,css3,bootstrap(v,5),JavaScript is a successful project that may be useful to both the student ,educators and busniess employees and other user as well.This VT AI system is more useful for al types of user like educational,medcial fields and helping students to solve hard problems .

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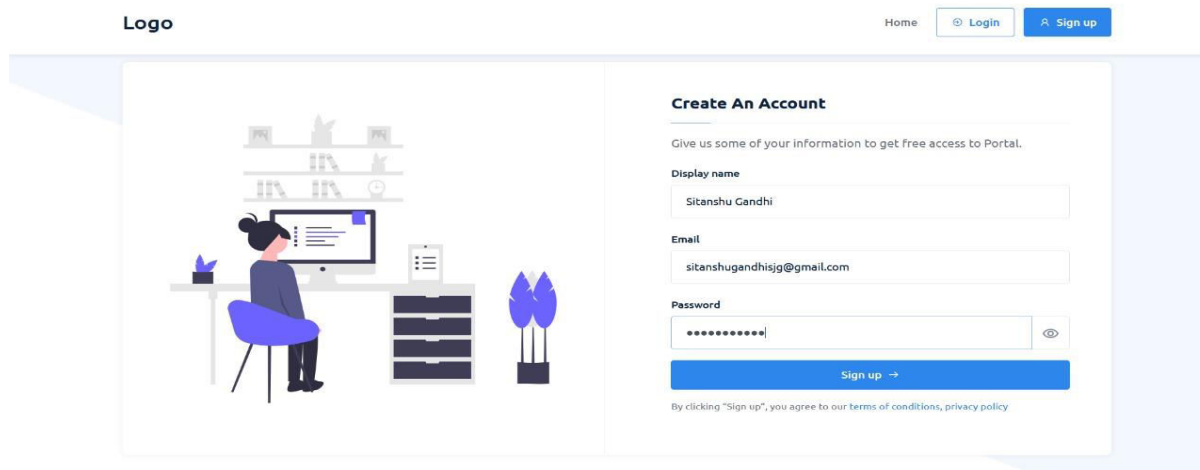


Fig3- Signup page

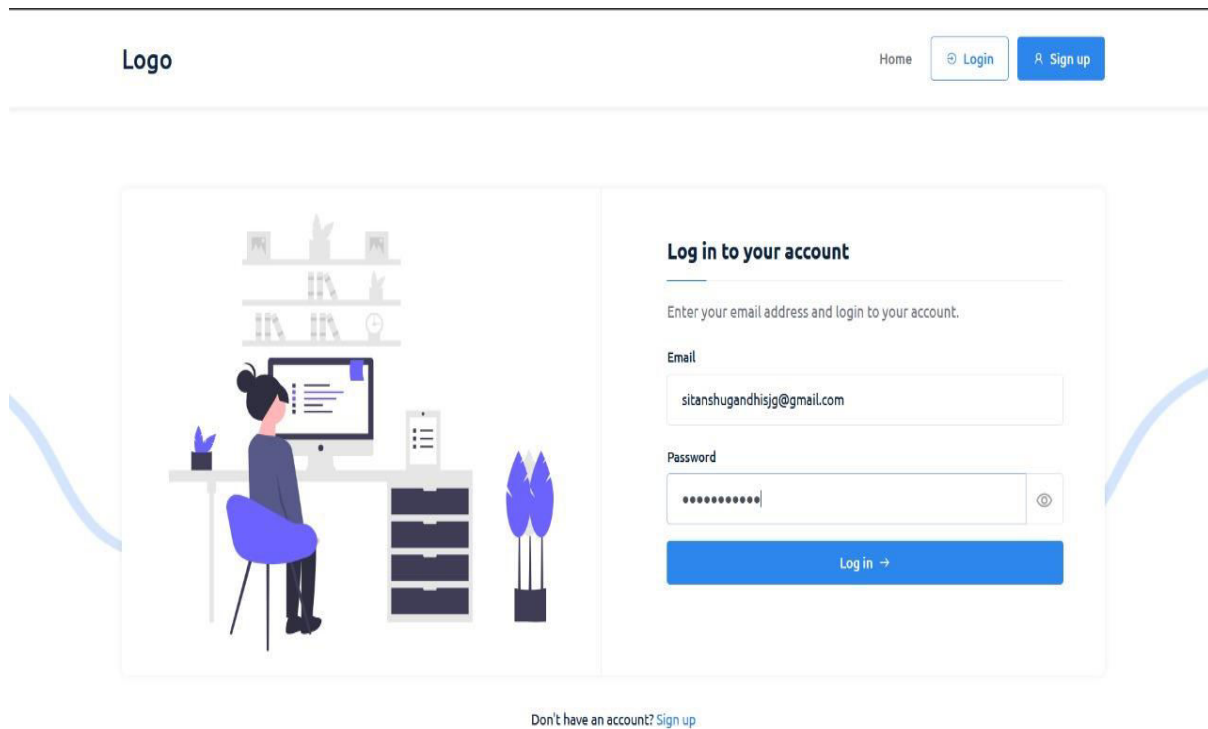


Fig4- Login page

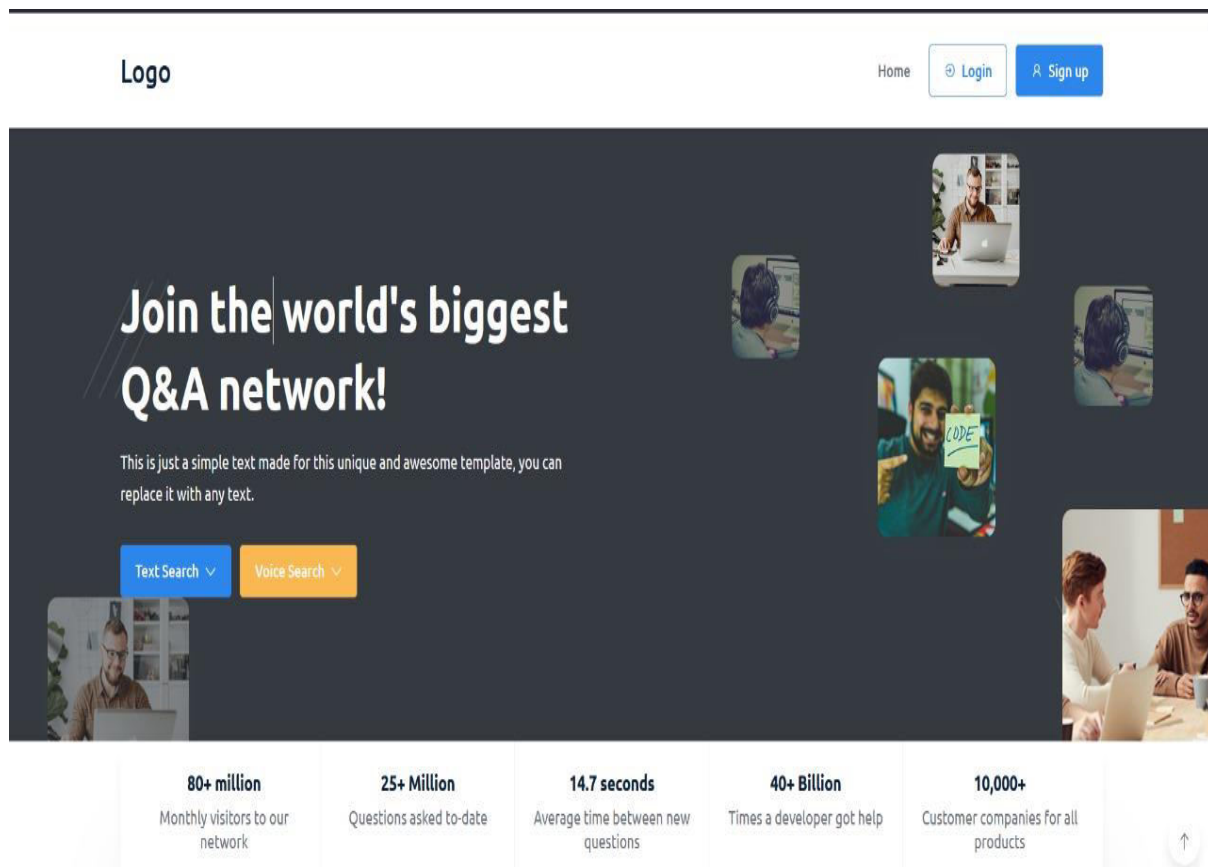


Fig5- Home page

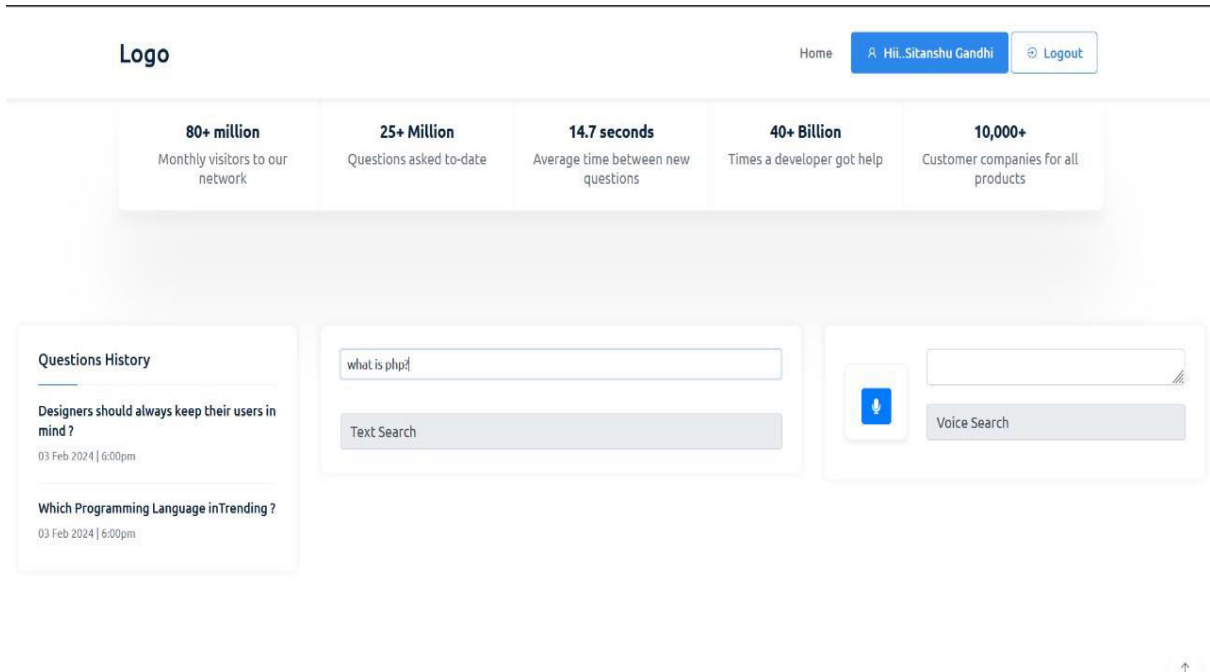


Fig6- Search page

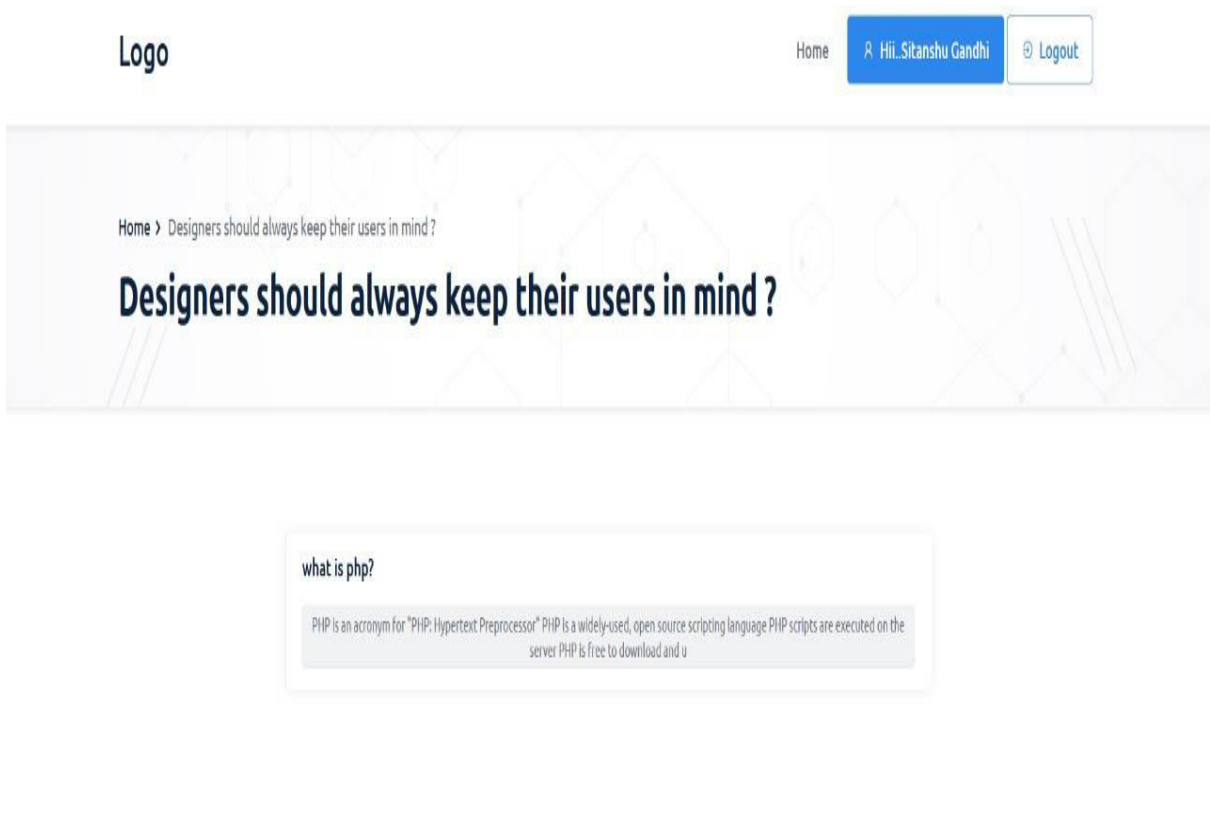


Fig7- Answer page



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