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Topic: **HEALTH CARE CHATBOT**

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Contents:

1.Abstract
2.Introduction
3.Advantages
4.Applications
5.Literature Survey
6.System Devlopment (Use Case digrams, DFD)
7.Screen Shots
8.Conclusion
9.Future Scope
10.References

Abstract:

- This project presents a healthcare chatbot designed to provide basic medical assistance, answer health-related queries, and guide users in managing their health. The chatbot offers features like symptom checking, medication reminders, and appointment scheduling, ensuring 24/7 accessibility. By streamlining routine tasks and improving patient engagement, the chatbot reduces the burden on healthcare providers and enhances service delivery, particularly in remote areas. This cost-effective solution demonstrates the potential of chatbots to complement traditional healthcare services and improve overall patient experience.

Introduction:

- The healthcare industry constantly seeks innovative solutions to enhance patient care, accessibility, and efficiency. With advancements in technology, chatbots have emerged as valuable tools in addressing these challenges. Healthcare chatbots are computer programs designed to simulate conversations with users, providing support for routine medical queries, appointment scheduling, symptom checking, and medication reminders.
- These chatbots act as virtual assistants, offering 24/7 accessibility to basic healthcare services,

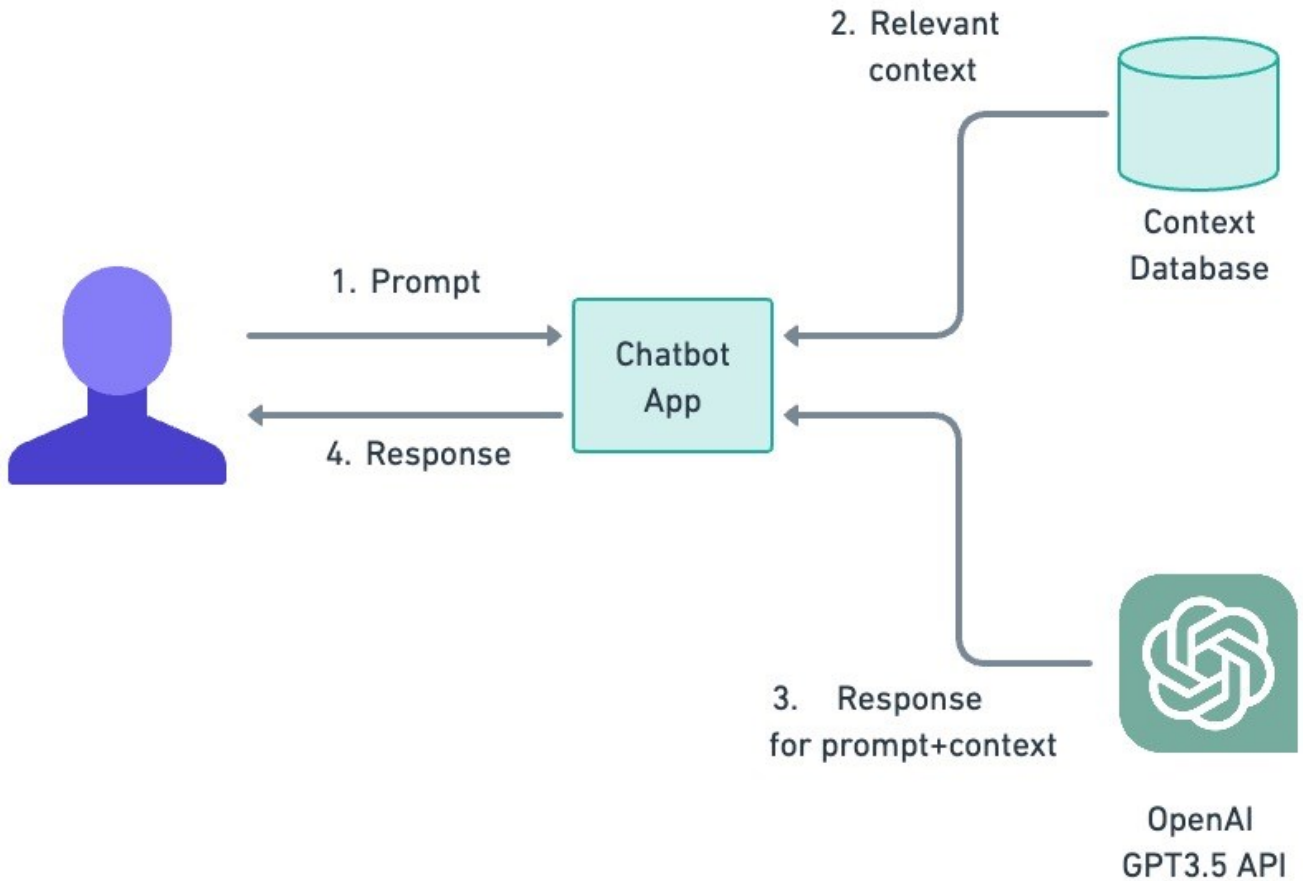
Advantages:

- 24/7 Availability
- Enhanced Accessibility
- Time and Cost Efficiency
- Improved Patient Engagement

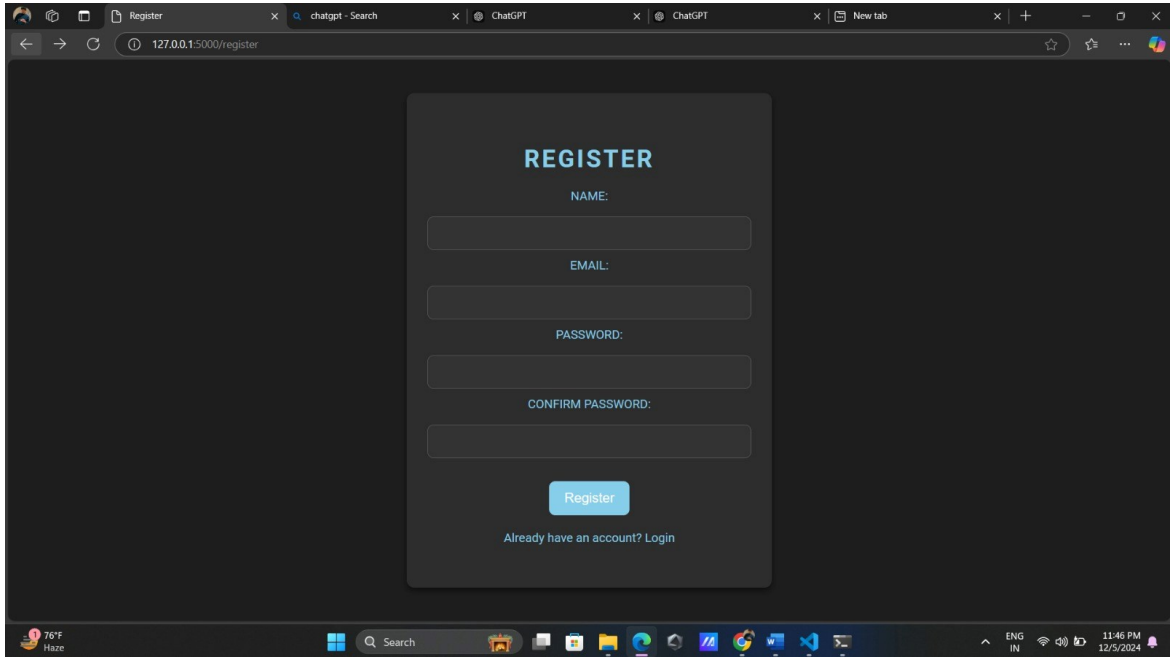
Literature Survey:

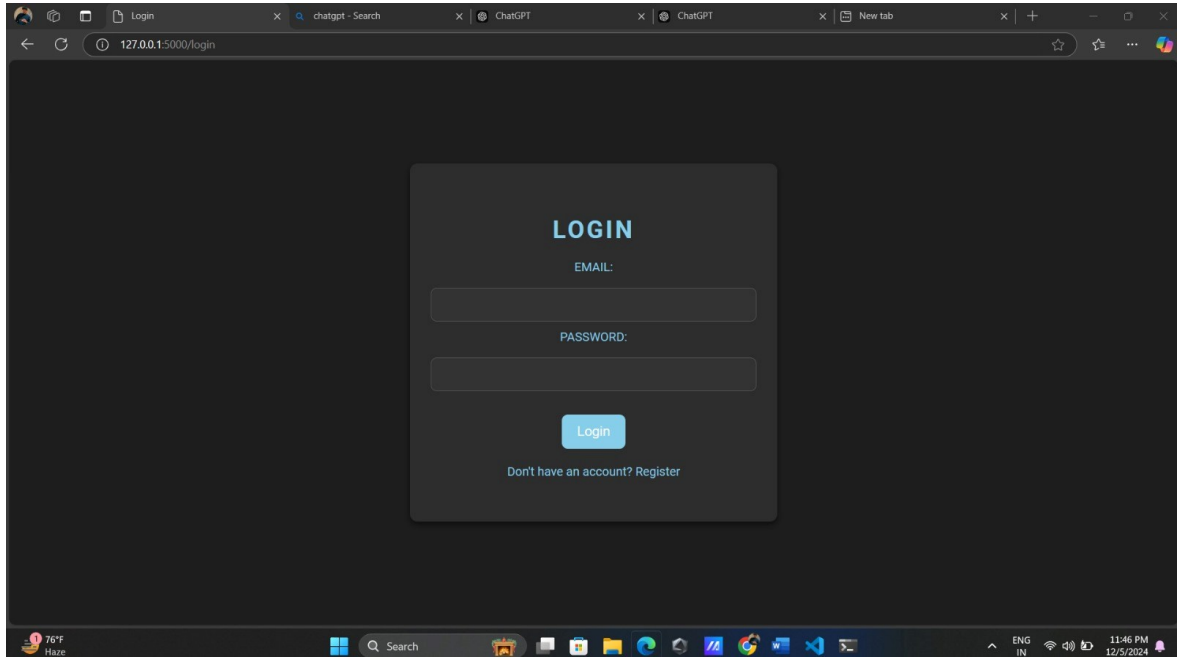
- Advancements in Healthcare Chatbots
- Symptom Checkers and Virtual Assistants
- Improving Mental Health Services
- Applications in Remote Healthcare

System Devlopment (Use Case digram, DFD) :



Screen Shots:





Conclusion:

Healthcare chatbots are transforming medical services by offering 24/7 accessibility, automating routine tasks, and improving patient engagement, especially in underserved areas. While they provide significant benefits, challenges like data security and limited handling of complex issues remain. Advancing AI and machine learning integration can enhance their reliability and personalization, making chatbots a valuable complement to traditional healthcare systems.

Future Scope:

- Integration with Advanced AI
- Multilingual and Cultural Adaptation
- Seamless Integration with Wearable Devices
- Telemedicine Support

References:

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Thank You!