Introduction

- Chatbots, on the other hand, are computer programs that use artificial intelligence to converse with users in natural language [5].

- The concept of eHealth encompasses a wide range of applications, including telemedicine, electronic health records, mobile health, and health information exchange [1,2].

- Patient Summary is a critical component of eHealth, providing a comprehensive overview of a patient’s medical history, medications, allergies, and vaccinations [3, 4].

Requirements

- Login - The user must be able to enter the system and register his identity, so that he can be identified.
- Provide assistance - The chatbot must be able to provide assistance to the user at any point in the conversation flow and direct them to find what they are looking for easily and quickly.
- Questions - The chatbot must be able to answer all questions about the Patient Summary.
- Exit - The chatbot should terminate the chat flow in case the user asks to log out.

Implementation

- We implemented the chatbot using Botpress, an open-source platform that provides a visual interface for building chatbots.

- We used the MySQL eHealth4U EHR [1], [2] database to store patient information, including medical history, medications, allergies, and vaccinations.

Demo

References


