

WHATS APP BIRTHDAY BOT

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ABSTRACT

In this project, we propose the development of a WhatsApp Birthday Bot, aimed at enhancing user experience and fostering stronger social connections by automating birthday reminders and greetings. The bot will be designed to integrate seamlessly with WhatsApp, a popular messaging platform, allowing users to subscribe to birthday notifications for their contacts. The primary objective of the bot is to simplify the process of remembering and acknowledging birthdays, which can often be challenging amidst busy schedules and numerous social connections. The bot will leverage user consent and contact information to compile a personalized birthday calendar, ensuring that important dates are never forgotten.

INTRODUCTION

In the contemporary landscape of digital communication, the traditional practice of extending birthday wishes has undergone a transformative evolution. An innovative manifestation of this evolution is found in the development of the WhatsApp Birthday Wishing Bot. This computer program has been ingeniously designed to streamline and personalize the process of conveying birthday greetings through the widely used messaging platform, WhatsApp. The WhatsApp Birthday Wishing Bot serves as an automated conduit for the conveyance of personalized birthday wishes, mitigating the need for manual effort typically associated with typing out individual messages. It stands as a testament to the fusion of technology and celebration, offering a novel approach to the timeless tradition of celebrating birthdays. At its core, the bot boasts an array of features aimed at enhancing the efficiency and personalization of birthday greetings. Its primary function lies in the automation of the entire process, eliminating the time-consuming task of individually crafting messages. Users can pre-set messages, ensuring that the bot sends out timely and customized wishes to each recipient. A distinctive feature of the WhatsApp Birthday Wishing Bot lies in its ability to infuse a personalized touch into the birthday greetings. By incorporating personal details such as the recipient's name, age, or specific interests, the bot elevates the meaningfulness of the messages. This personalization is crucial in ensuring that the automated wishes resonate with the recipients on a deeper level, transcending the limitations of often associated with automated communication.

Furthermore, the bot supports the integration of multimedia elements, allowing users to include images, GIFs, or short videos in their birthday messages. This multimedia integration adds a creative and engaging dimension to the greetings, making the automated wishes feel more dynamic and visually appealing. Scheduling is another noteworthy feature of the WhatsApp Birthday Wishing Bot.

Users have the flexibility to schedule birthday messages in advance, ensuring that the wishes are delivered at the perfect moment, such as the stroke of midnight on the actual birthday. This thoughtful feature allows for meticulous planning and ensures that recipients receive their wishes precisely when they are meant to be celebrated. In operation, the WhatsApp Birthday Wishing Bot functions through a user-friendly interface. Users interact with the bot, providing necessary information such as the recipient's name, relationship, and any specific details they wish to incorporate into the birthday message. The bot then utilizes the WhatsApp API to seamlessly integrate with the messaging platform, sending out the personalized birthday wishes to the designated recipients.

Despite its automated nature, the bot requires users to be mindful of considerations such as privacy and user consent. Adherence to data privacy regulations is paramount to ensure that the bot operates within ethical boundaries. Additionally, it is imperative to obtain the consent of recipients before deploying automated messages, respecting their autonomy in the communication process.

In conclusion, the WhatsApp Birthday Wishing Bot represents a harmonious amalgamation of technology and celebration. By offering an efficient, personalized, and timely means of extending birthday wishes, this innovative bot has redefined the way we celebrate special occasions in the digital age. It stands as a testament to the adaptability of technology in enhancing and enriching timeless traditions.

LITERATURE SURVEY

The literature on Chatbot spans various dimensions, from technical development to ethical considerations. In the context of birthday wishing bots, research emphasizes the importance of creating user-friendly interfaces and employing natural language processing algorithms to generate personalized and context-aware birthday messages. Studies explore the application of Chatbot in enhancing user experiences during special occasions, such as birthdays, by incorporating conversational interfaces and adaptive learning mechanisms. Ethical considerations focus on ensuring responsible AI, avoiding biases in birthday greetings, and addressing privacy concerns. Evaluation metrics assess the effectiveness of birthday wishing bots based on user satisfaction, message personalization, and overall engagement. As the field evolves, future directions include refining multi-turn conversations, incorporating emotional intelligence into birthday messages, and addressing the cultural nuances of celebratory greetings. Overall, the literature reflects a dynamic and comprehensive exploration of Chatbot, with specific relevance to enhancing the celebration experience through birthday wishing bots.

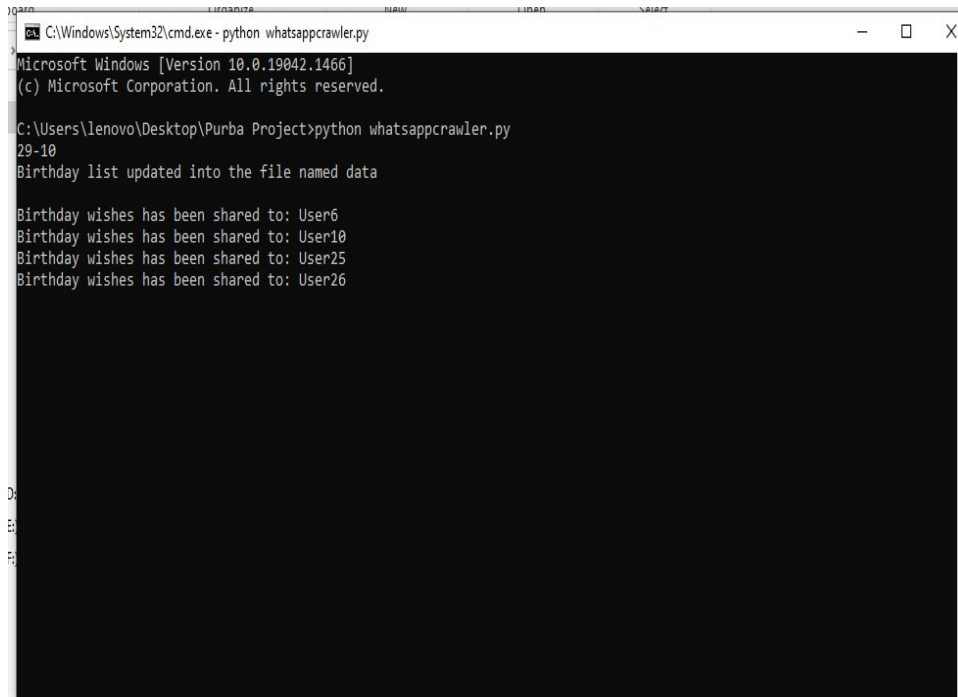
PROPOSED SYSTEM

The proposed system aims to automate and enhance the process of sending personalized birthday wishes to friends and family through WhatsApp. It will make use of AI-driven technology to create heartfelt messages, schedule deliveries, and ensure timely and thoughtful birthday greetings. As most of the chatbots lack the ability to send personalized messages and also need not have a separate app for it.

When the code is run in the command prompt, we get the following results gets displayed on the screen. This is like the notification that the birthday wishes have been delivered to the particular people.

Here, we are executing the python code which has been saved as "whatsappcrawler" file.

Command to run – python whatsappcrawler.py



```
C:\Windows\System32\cmd.exe - python whatsappcrawler.py
Microsoft Windows [Version 10.0.19042.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lenovo\Desktop\Purba Project>python whatsappcrawler.py
29-10
Birthday list updated into the file named data

Birthday wishes has been shared to: User6
Birthday wishes has been shared to: User10
Birthday wishes has been shared to: User25
Birthday wishes has been shared to: User26
```

Fig.1 Output of the code in the command prompt of python

After the above gets displayed, simultaneously below interface also gets displayed. Where the virtual WhatsApp interface can be seen. Even the birthday wishes which has been delivered can be seen.

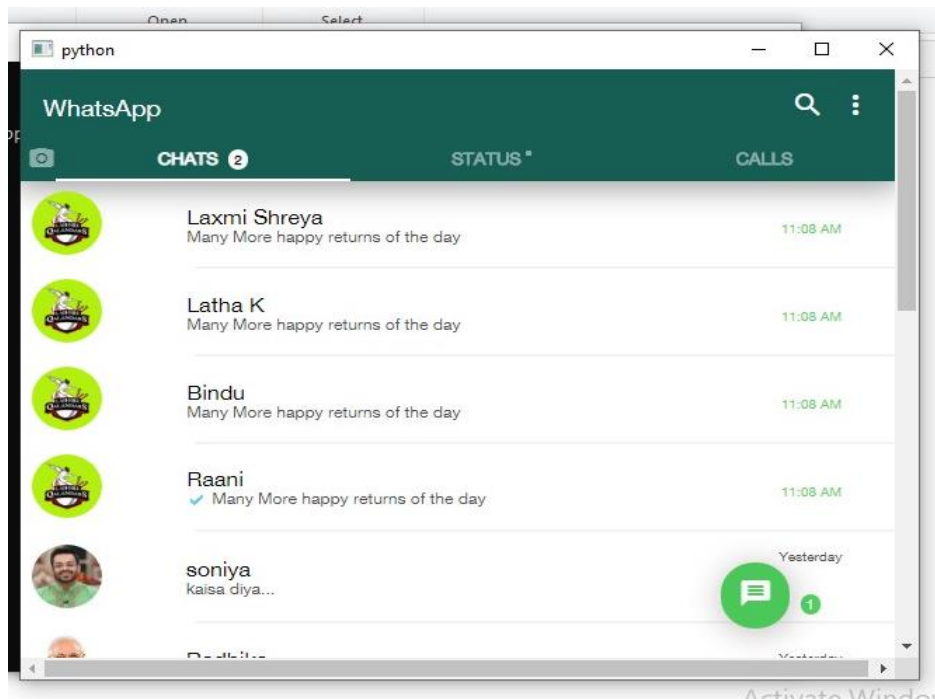


Fig.2 Interface for WhatsApp Birthday Bot

Individual chat where the birthday message got delivered, looks as the below image.

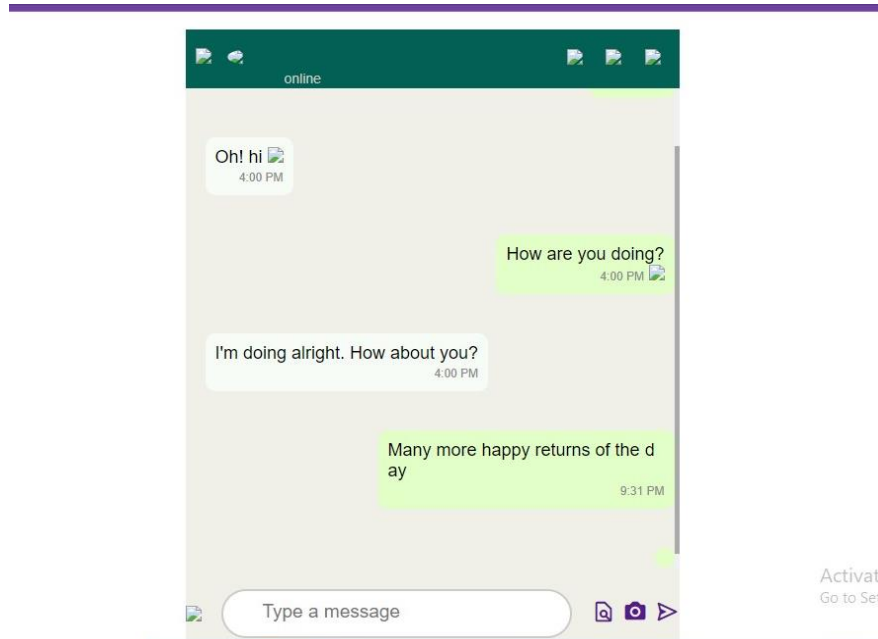


Fig.3 Delivery of Birthday Wishes

CONCLUSION

In conclusion, the development of the WhatsApp Birthday Bot has been a rewarding journey that seamlessly merges technology with the joyous occasions of people's lives. The project aimed to automate the process of sending birthday wishes to contacts, enhancing the user experience on the popular messaging platform. Through the utilization of programming languages and API integrations, the bot successfully demonstrated the capability to identify birthdays from contact lists and send personalized greetings. The use of automation not only streamlines the process but also ensures that no important celebration is overlooked in the bustling world of digital communication.

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