



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

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ACADEMIC YEAR 2022-2023

AUTOMATED EMAIL SENDER

- Computer Science & Engineering
- Artificial Intelligence and Machine Learning

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INTRODUCTION

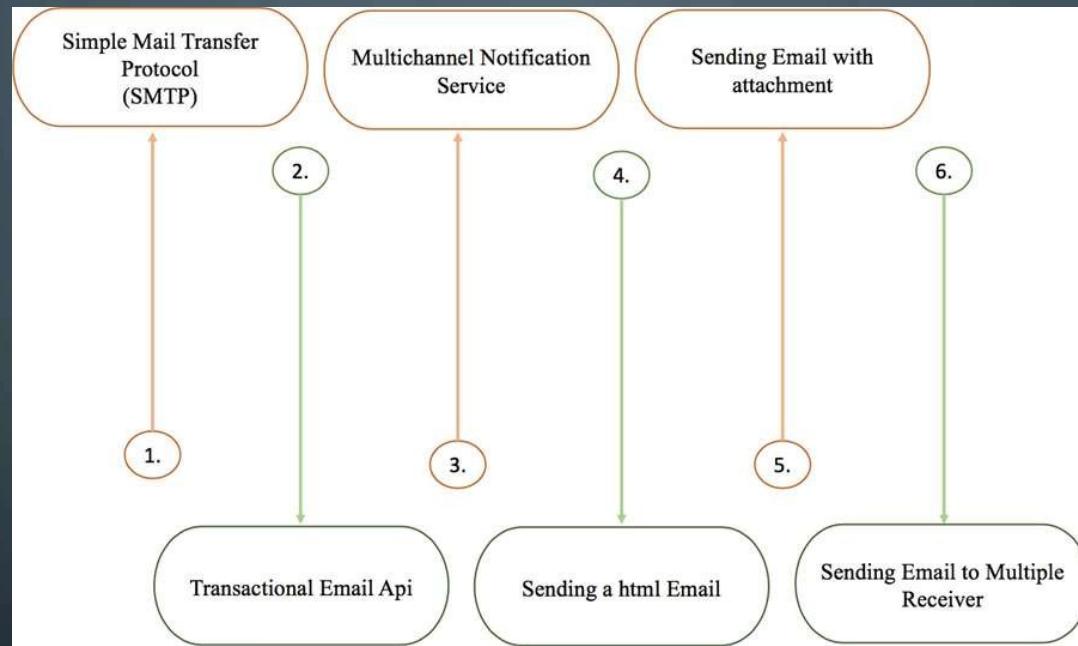
In an era where communication is paramount, the ability to efficiently manage and send emails has become a critical aspect of personal and professional life. As the volume of emails continues to rise, so does the demand for tools that simplify and automate this process.

In this introduction, we'll explore the need for such a solution in today's fast-paced world of digital communication, outline the objectives of our project, and provide a glimpse of the key features that make Mail Bot a game-changer in the realm of email management. Join us on this journey as we unlock the potential of streamlined and automated email communication.

OBJECTIVE

- the automated email sender project try to develop a strong email communication System that can freely deliver message to targeted recipients this system will reduce the load of manual emails sending, company to automate processes like newsletters, marketing campaigns, exchangeable notifications. The primary goal are to enhance communication effectiveness and to check whether messages are sent at the right time and maintain consistency and correctness in email delivery, ultimately improving productivity and customer satisfaction and engagement.
- Increase Efficiency.
- Save Time. Enhance Personalization.
- Simplify Data Input.
- Improve User Experience.

BLOCK DIAGRAM



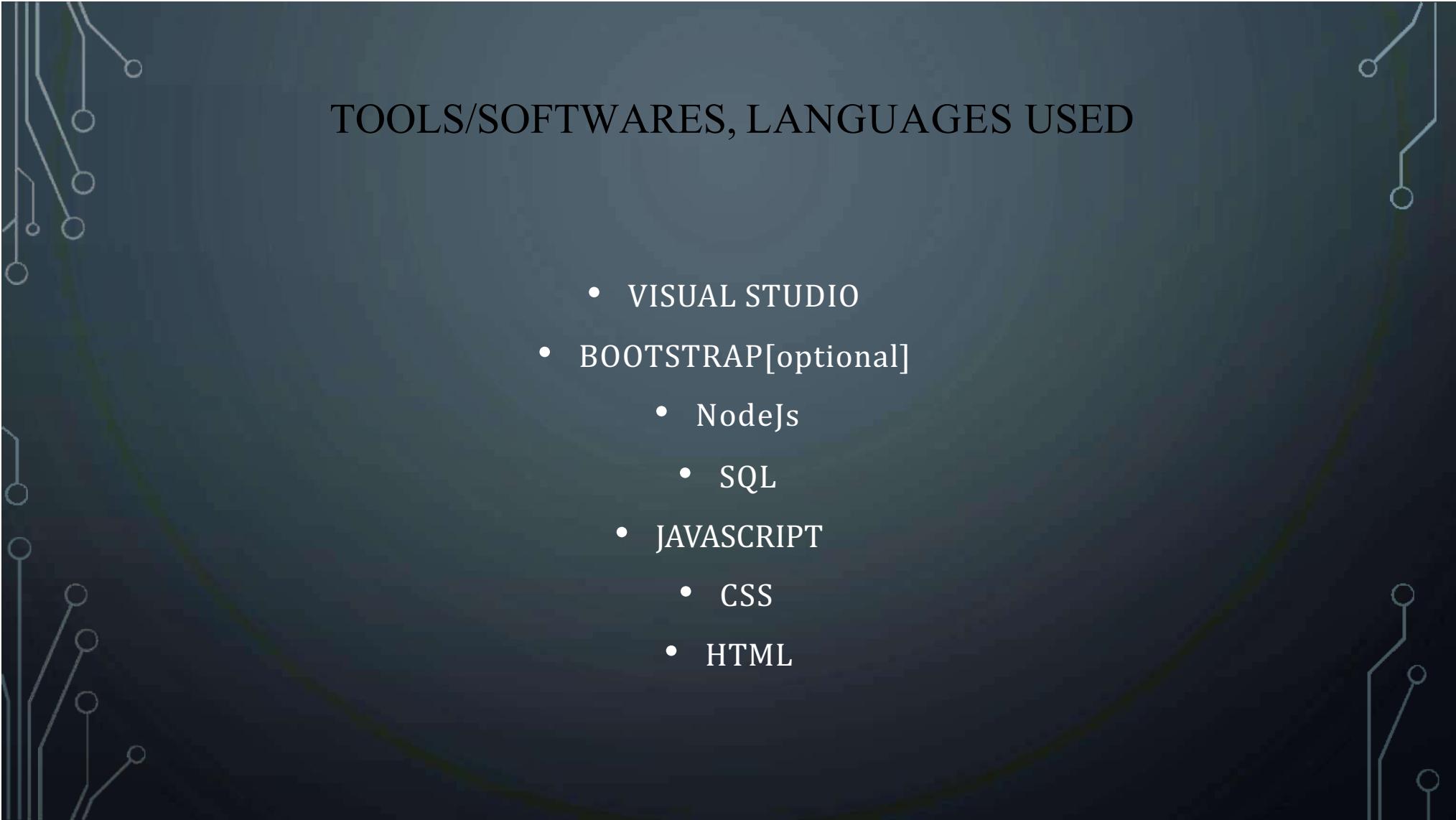
EXPLANATION OF BLOCK DIAGRAM

Simple Mail Transfer Protocol (SMTP) is a text-based protocol for sending and receiving emails between mail servers. When you send an email, SMTP ensures it reaches the recipient's email service and is placed in their inbox.

Transactional Email APIs allow developers to automate email sending based on specific events, like user registrations, password resets, or order confirmations.

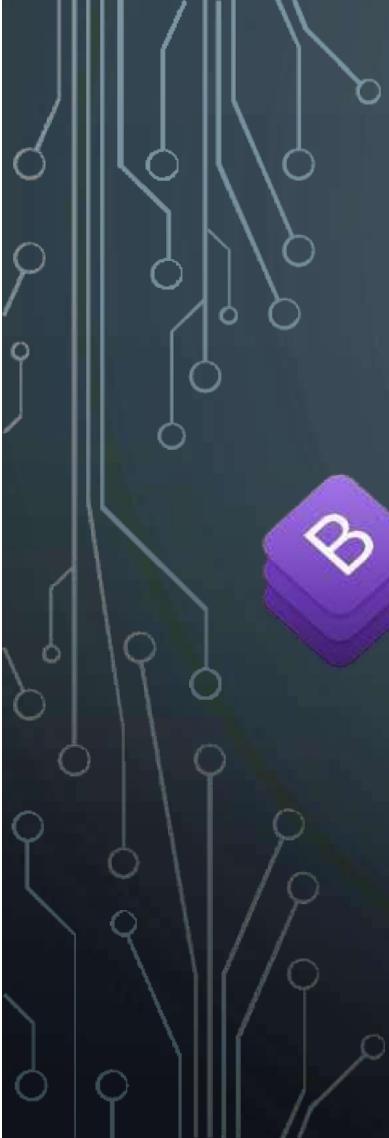
A Multichannel Notification Service helps businesses send messages through various channels like email, SMS, and push notifications to effectively reach their customers on different platforms.

Sending an email to multiple recipients involves sharing the same message with many people, similar to making copies of a letter to send to different friends or colleagues.



TOOLS/SOFTWARES, LANGUAGES USED

- VISUAL STUDIO
- BOOTSTRAP[optional]
 - NodeJs
 - SQL
- JAVASCRIPT
 - CSS
 - HTML



TOOLS/SOFTWARE, LANGUAGES USED



node.js

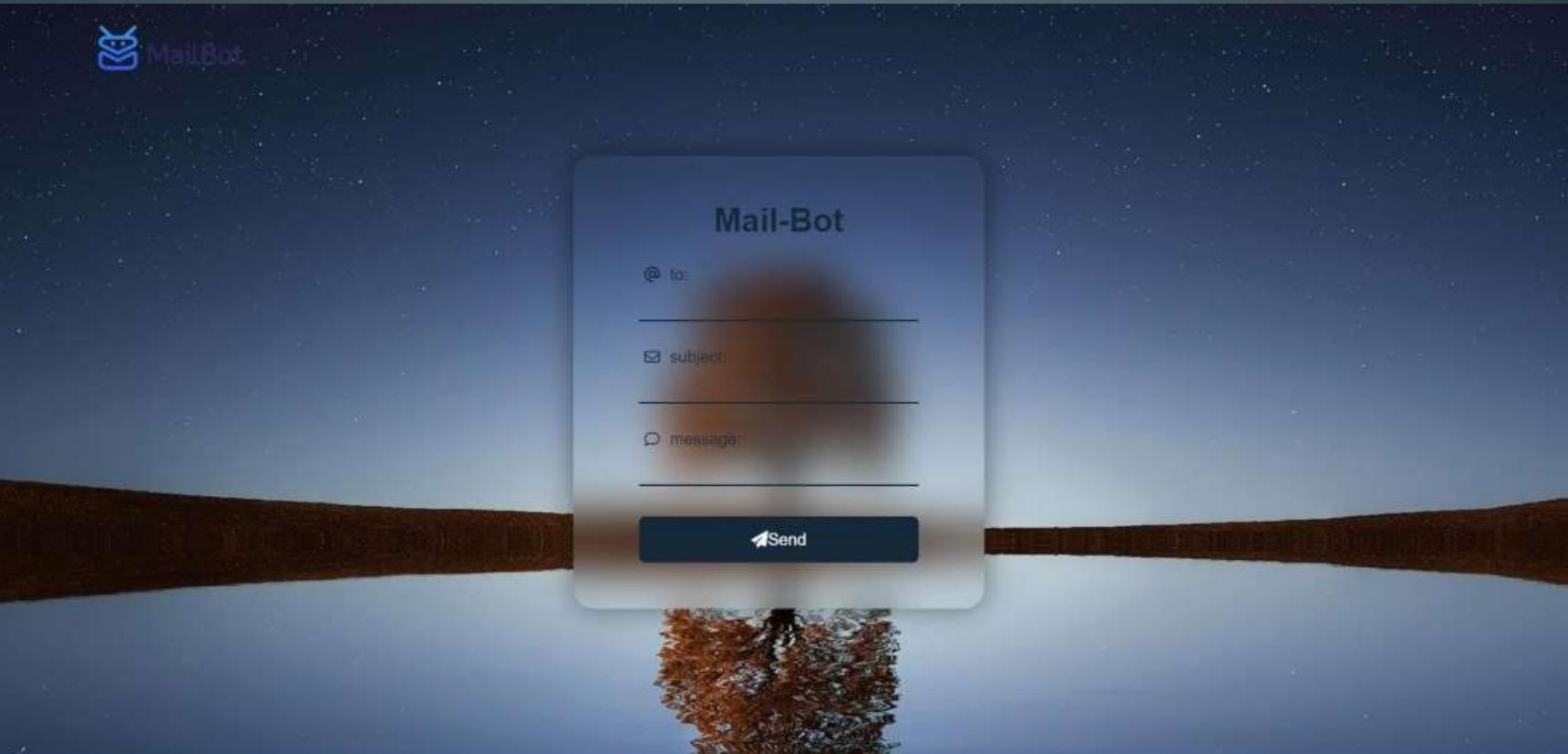


PROJECT WORK

IMPLEMENTATION



IMPLEMENTATION



CONCLUSION

- In summary, this project successfully developed an automated email sender with the capability to send bulk emails, incorporate attachments, and extract email addresses from an Excel sheet. By leveraging JavaScript, Node.js, and relevant libraries, the project streamlined the email communication process, saving time and reducing errors.
- The integration of user-friendly interfaces and personalized messaging enhances user experience, presenting a practical solution for efficient and versatile email communication.

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11. <https://tailwindcss.com/>



THANK YOU