

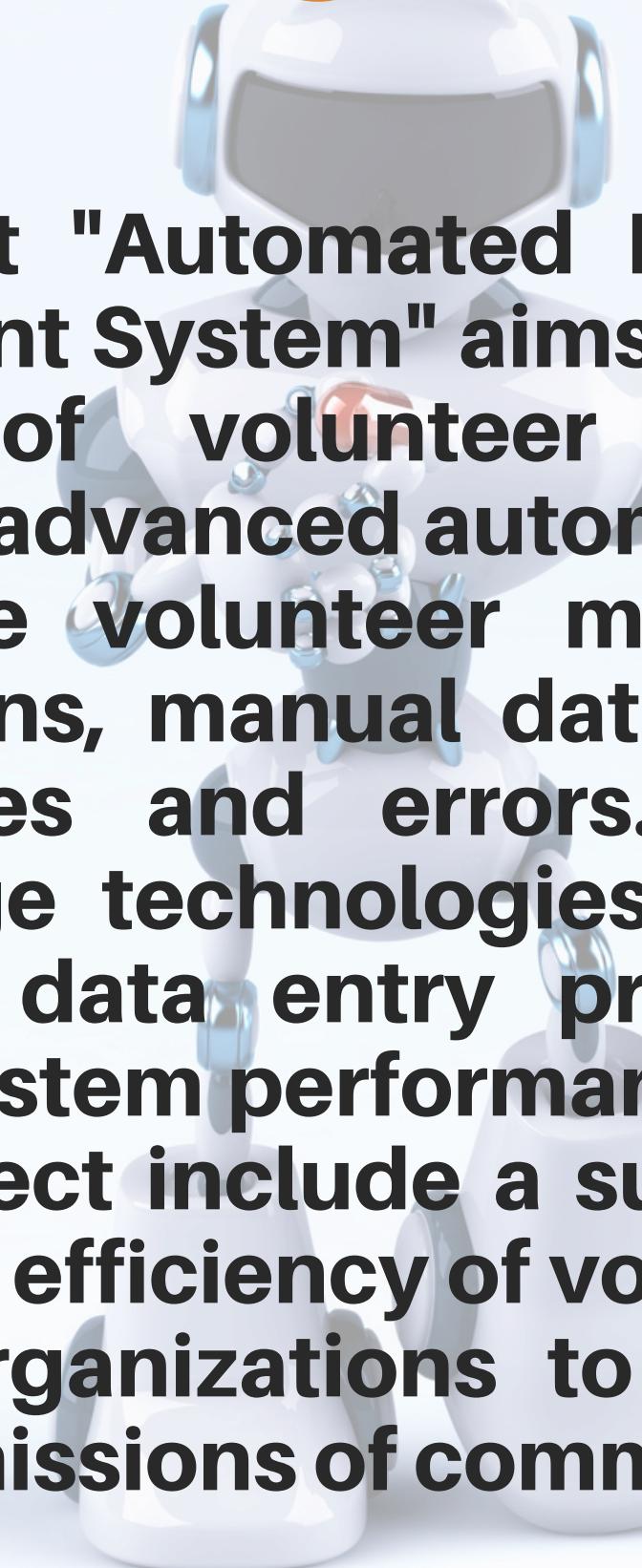
AUTOMATED DATA ENTRY BOT

VOLUNTEERING MANAGEMENT SYSTEM

M.P.LEENA SRI



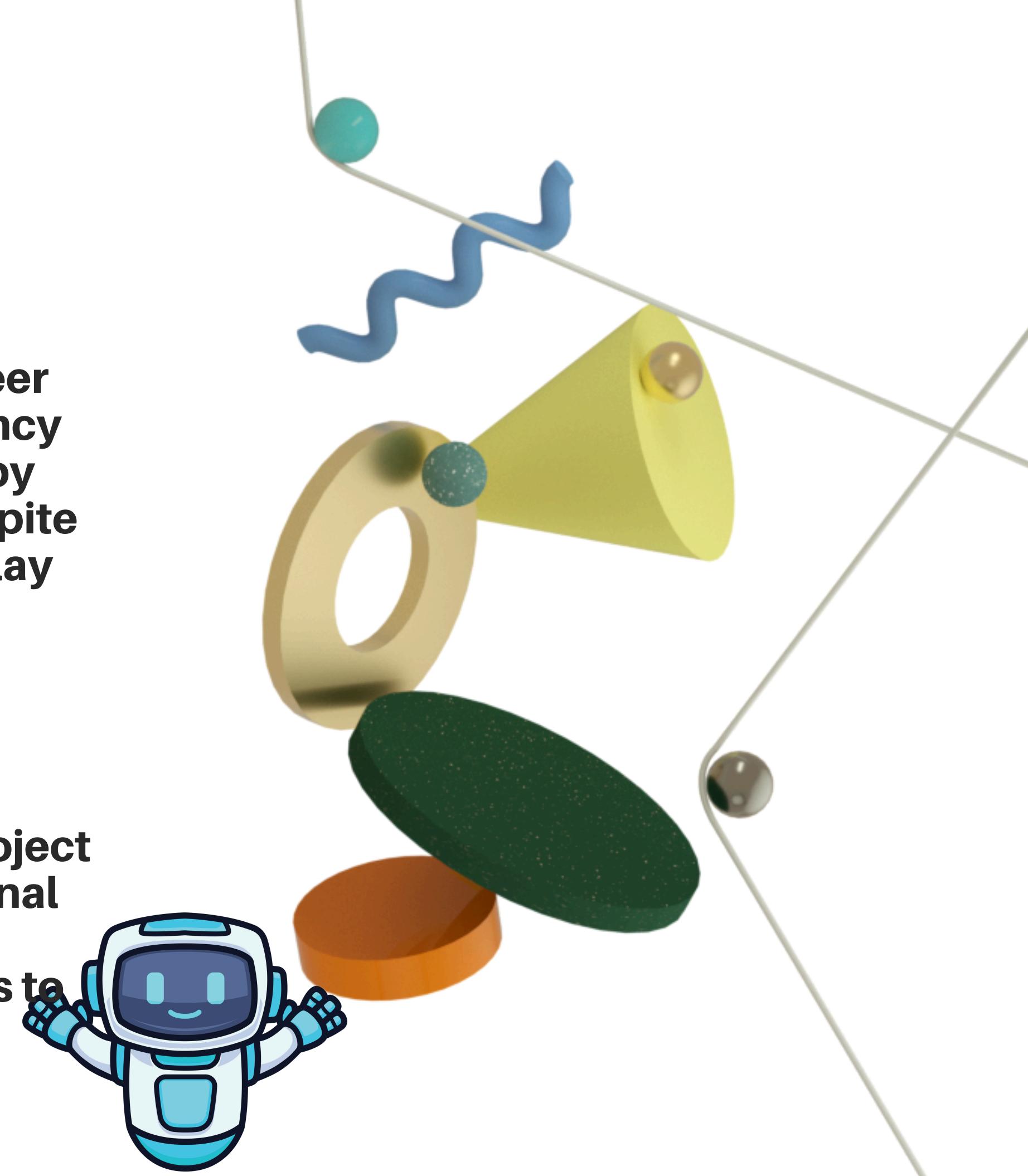
ABSTRACT



The project "Automated Data Entry Bot for Volunteer Management System" aims to enhance the efficiency and accuracy of volunteer management systems by employing advanced automation techniques. Despite the pivotal role volunteer management systems play in organizations, manual data entry tasks often introduce inefficiencies and errors. Through the integration of cutting-edge technologies, the envisioned bot aims to streamline data entry processes, reduce errors, and optimize system performance. The anticipated outcomes of this project include a substantial improvement in the operational efficiency of volunteer management systems, allowing organizations to dedicate more resources to their core missions of community service.

INTRODUCTION

The project "Automated Data Entry Bot for Volunteer Management System" aims to enhance the efficiency and accuracy of volunteer management systems by employing advanced automation techniques. Despite the pivotal role volunteer management systems play in organizations, manual data entry tasks often introduce inefficiencies and errors. Through the integration of cutting-edge technologies, the envisioned bot aims to streamline data entry processes, reduce errors, and optimize system performance. The anticipated outcomes of this project include a substantial improvement in the operational efficiency of volunteer management systems, allowing organizations to dedicate more resources to their core missions of community service.



MOTIVATION

- **Efficiency:** Manual volunteer management processes can be time-consuming and prone to errors. A bot can automate various tasks such as volunteer registration, scheduling, communication, and reporting, leading to increased efficiency for both volunteers and organizers.
- **Accessibility:** A bot can be available 24/7 to assist volunteers with inquiries, sign-ups, and updates, making it more convenient for individuals to get involved in volunteering activities.
- **Scalability:** As volunteer programs grow, managing them becomes increasingly complex. A bot can easily scale to accommodate a growing number of volunteers and activities without significantly increasing administrative burden.

MOTIVATION

- **Personalization:** Bots can provide personalized recommendations for volunteer opportunities based on a volunteer's interests, skills, and availability, enhancing the volunteer experience and engagement.
- **Communication:** Bots can facilitate seamless communication between volunteers and organizers by sending reminders, updates, and relevant information via various channels such as email, SMS, or messaging apps.
- **Data Insights:** By collecting and analyzing data on volunteer activities, preferences, and feedback, the bot can provide valuable insights to organizers for improving volunteer programs and engagement strategies.

EXISTING SYSTEM

- Registration and Onboarding
- Volunteer Matching
- Event Scheduling and Management
- Communication and Notifications



DISADVANTAGE OF EXISTING SYSTEM

- The system is not automated and the clients find some difficulty to new technology
- Time efficiency
- communication difficulty



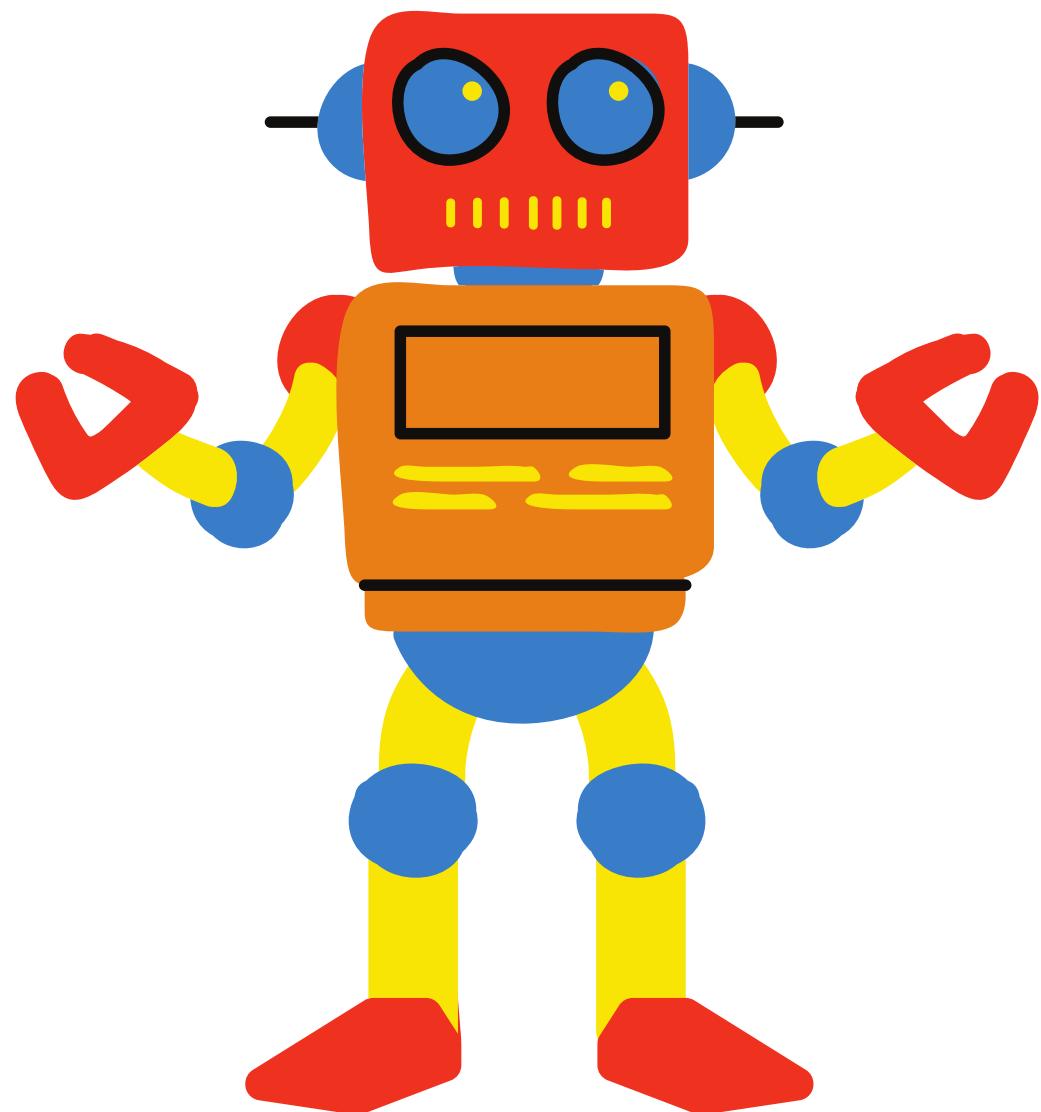
PROPOSED SYSTEM



WE ARE GOING TO AUTOMATE THESE MODULES WITH BOT

- Registration and Onboarding
- Volunteer Matching
- Event Scheduling and Management
- Communication and Notifications

MODULES



01

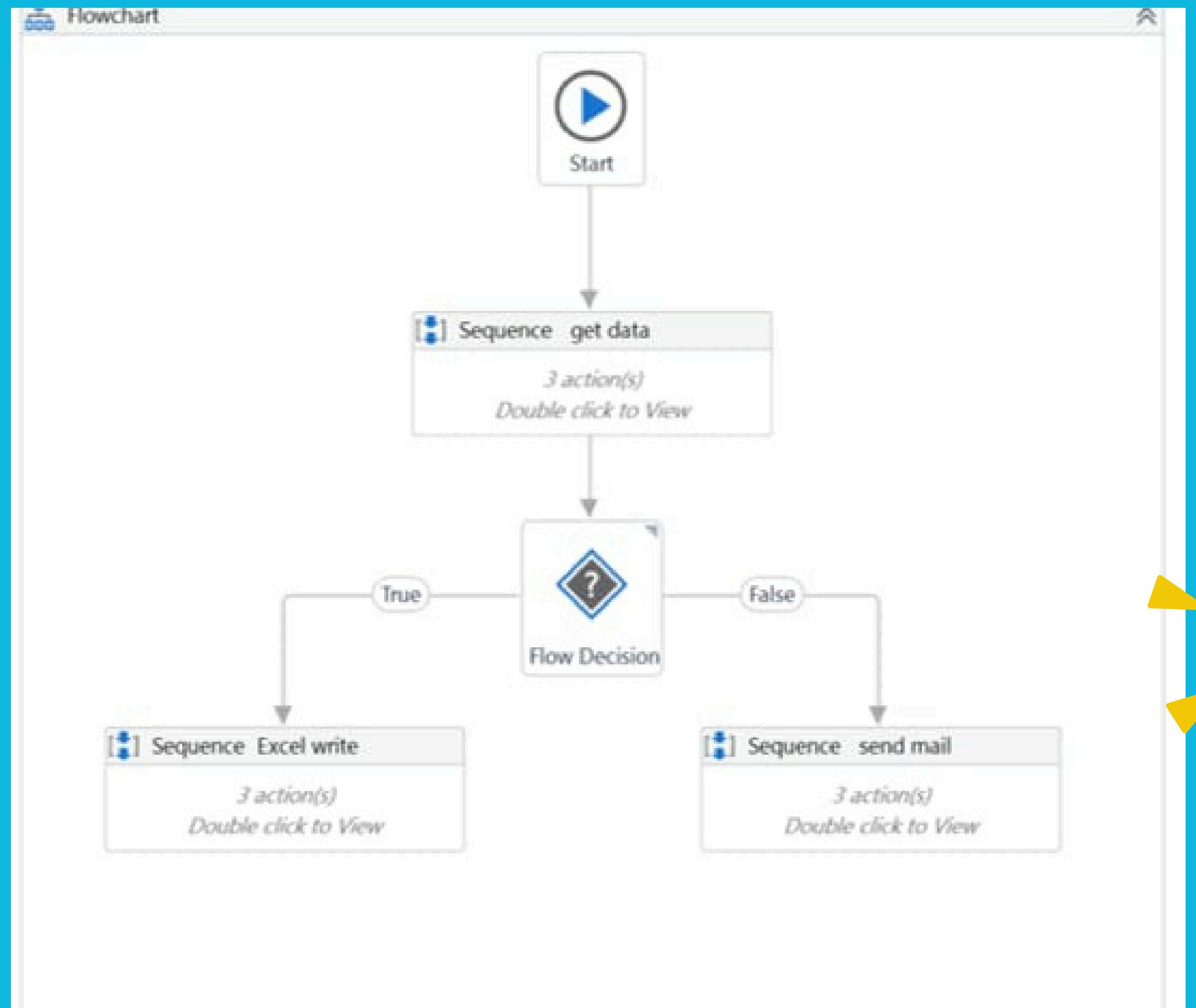
Online registration and
onboarding

02

Volunteer Matching

03

Communication and
Notifications





RESCUE

Dashboard

Location

Add users

Resource

Collaborate

Messages

Setting

Log out

Dashboard

Search...



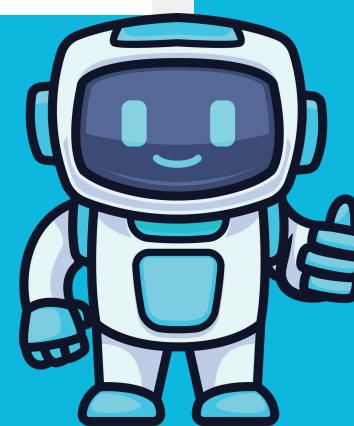
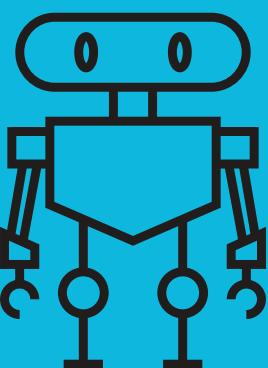
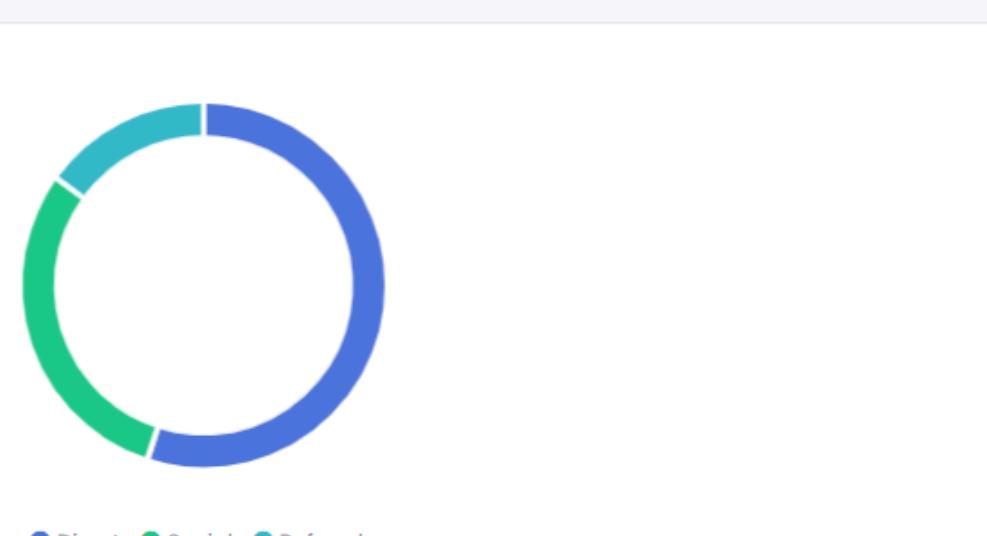
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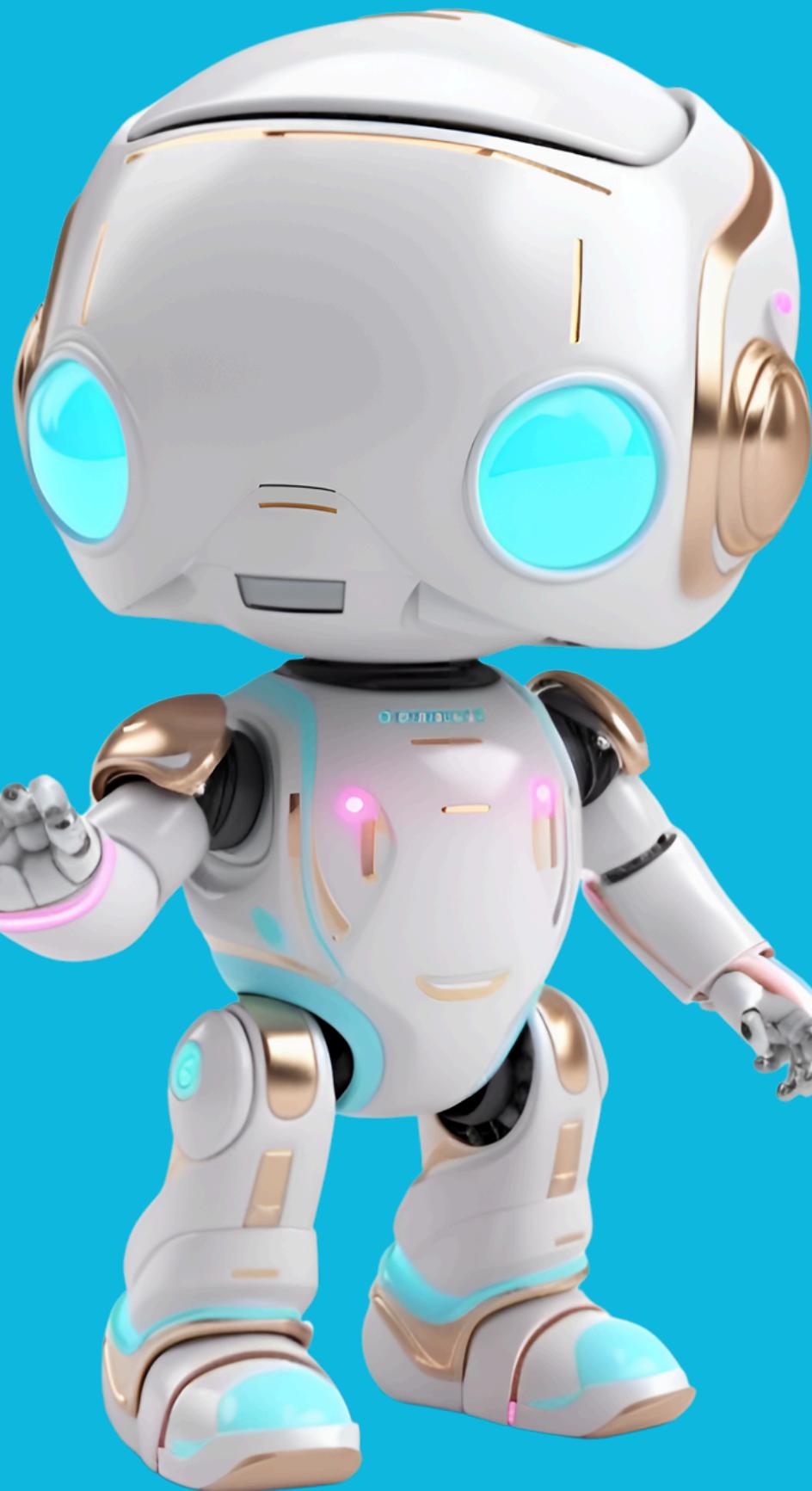


Earnings Overview



Revenue Sources





FILTER ▾

EVENT ORGANIZER
 RESCUER

Rescuer Registration Form

Full Name

Email address

Phone Number

Volunteer interest

Address

Submit

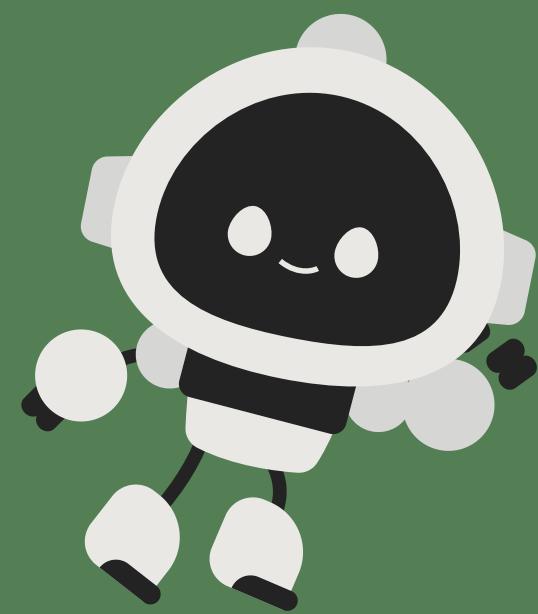
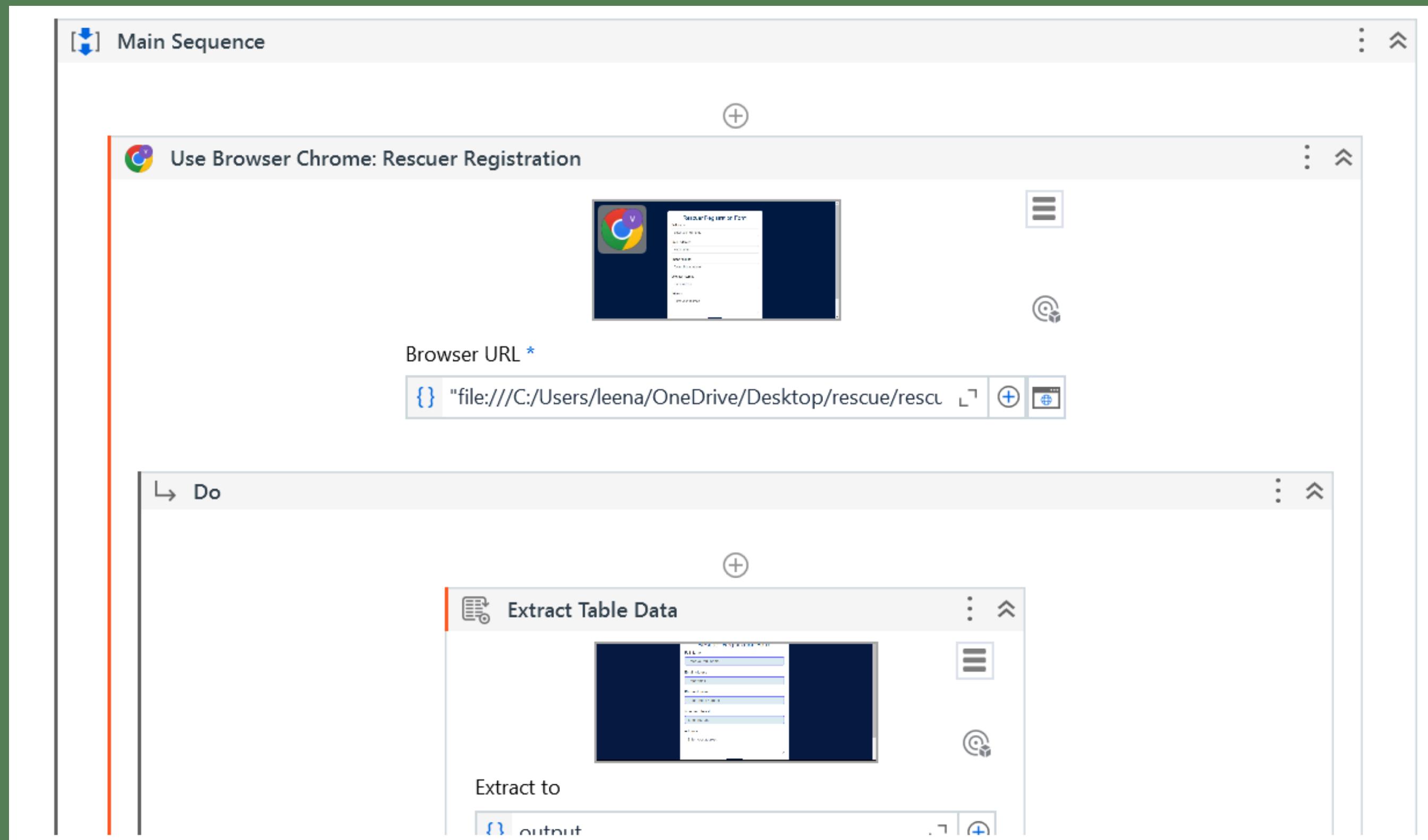
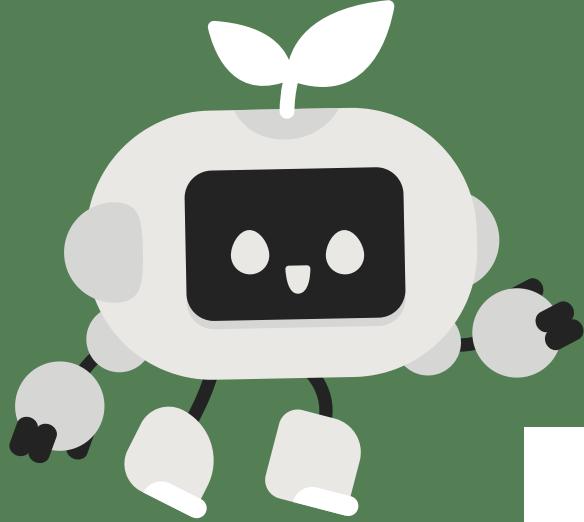
Event Information Form

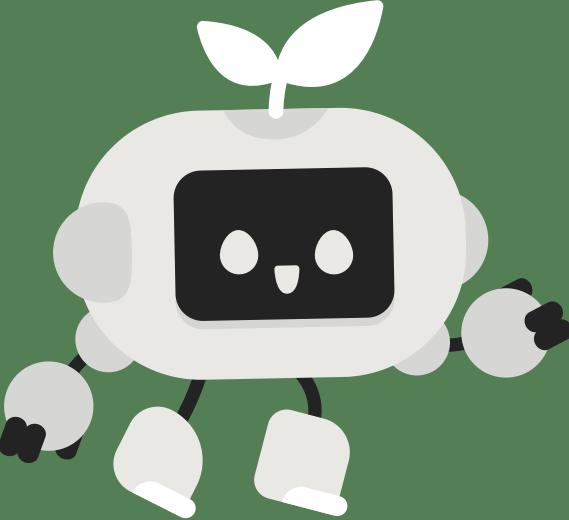
Event Name

Event Date

Event Organizer

Submit





Use Excel File

Excel file *
{} "C:\Users\leena\OneDrive\Documents\formData.xlsx"

Reference as
Excel

Save changes Create if not exists

Read formatting Same as project

Template file

Do

Get Text 'Full Name'

Rescuer Registration Form
Full Name
Enter your full name

Save to
{} fullname

{} fullname

Type Into 'Full Name'

Rescuer Registration Form
Full Name
Enter your full name

Type this Standard Secure

{} Fullname

Empty field before typing Click before typing

Multi line [Ctrl+A, Del] Single

Write Cell

What to write *
{} Fullname

Where to write *
{} Excel.Sheet("Sheet1").Cell("A6")

Auto increment row



Main Sequence

Excel Process Scope

Sequence

Use Excel File

Excel file *

{ } "C:\Users\leena\OneDrive\Documents\formData.xlsx"

Reference as

Excel_Email

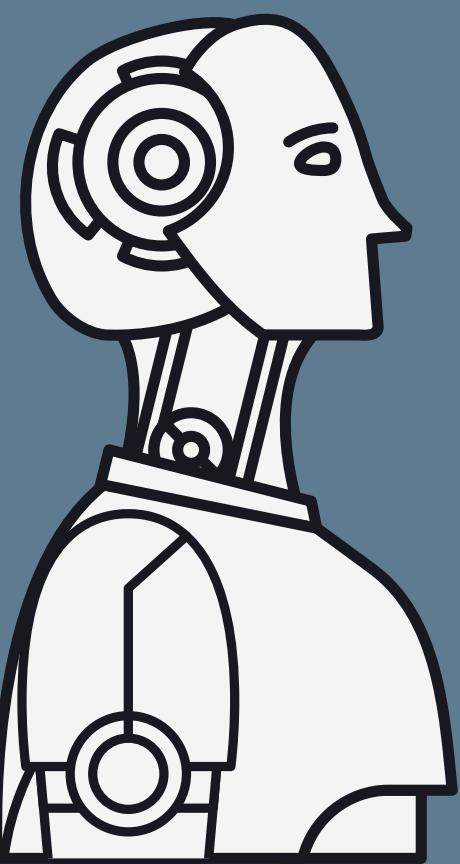
Save changes Create if not exists

Read formatting Same as project

Template file

Do





For Each Excel Row

For each CurrentRow

In range *

{ } Excel_Email.Sheet("Sheet1")

Has headers Save after each row

Do

Use Gmail

Account
volunteer.rpa@gmail.com

Reference as
Gmail

Do

Send SMTP Mail Message

Use Gmail

Account
volunteer.rpa@gmail.com

Reference as
Gmail

Do

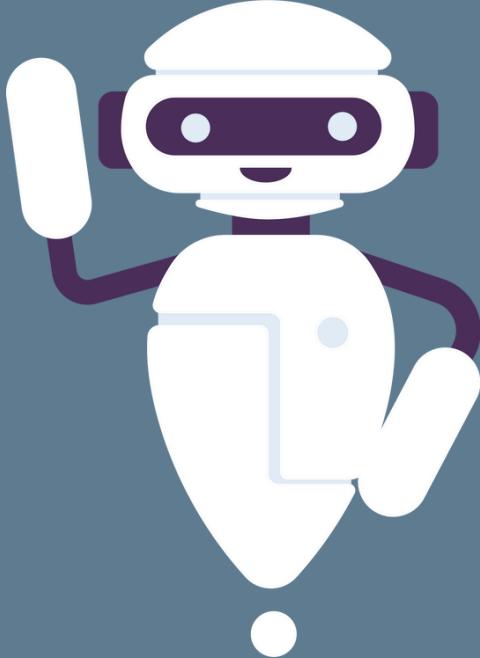
Send SMTP Mail Message

To * { } CurrentRow.ByField("recipient")

Subject { } "volunteer alert"

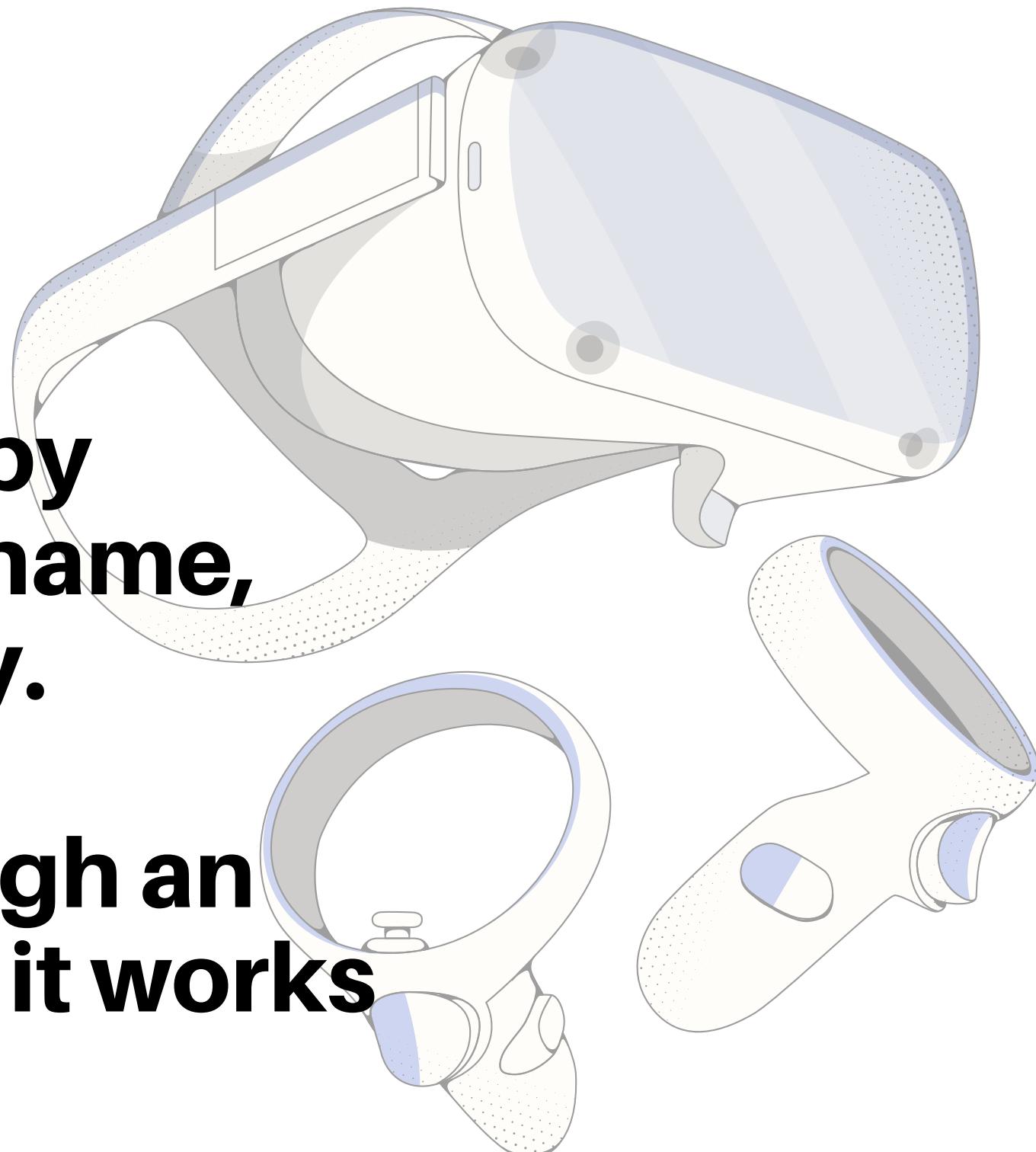
Body { } "we need your help.stay tuned"

Attach Files



Online registration and onboarding

- **Volunteers can register with the bot by providing basic information such as name, contact details, skills, and availability.**
- **The bot guides new volunteers through an onboarding process, explaining how it works and what tasks they can do.**



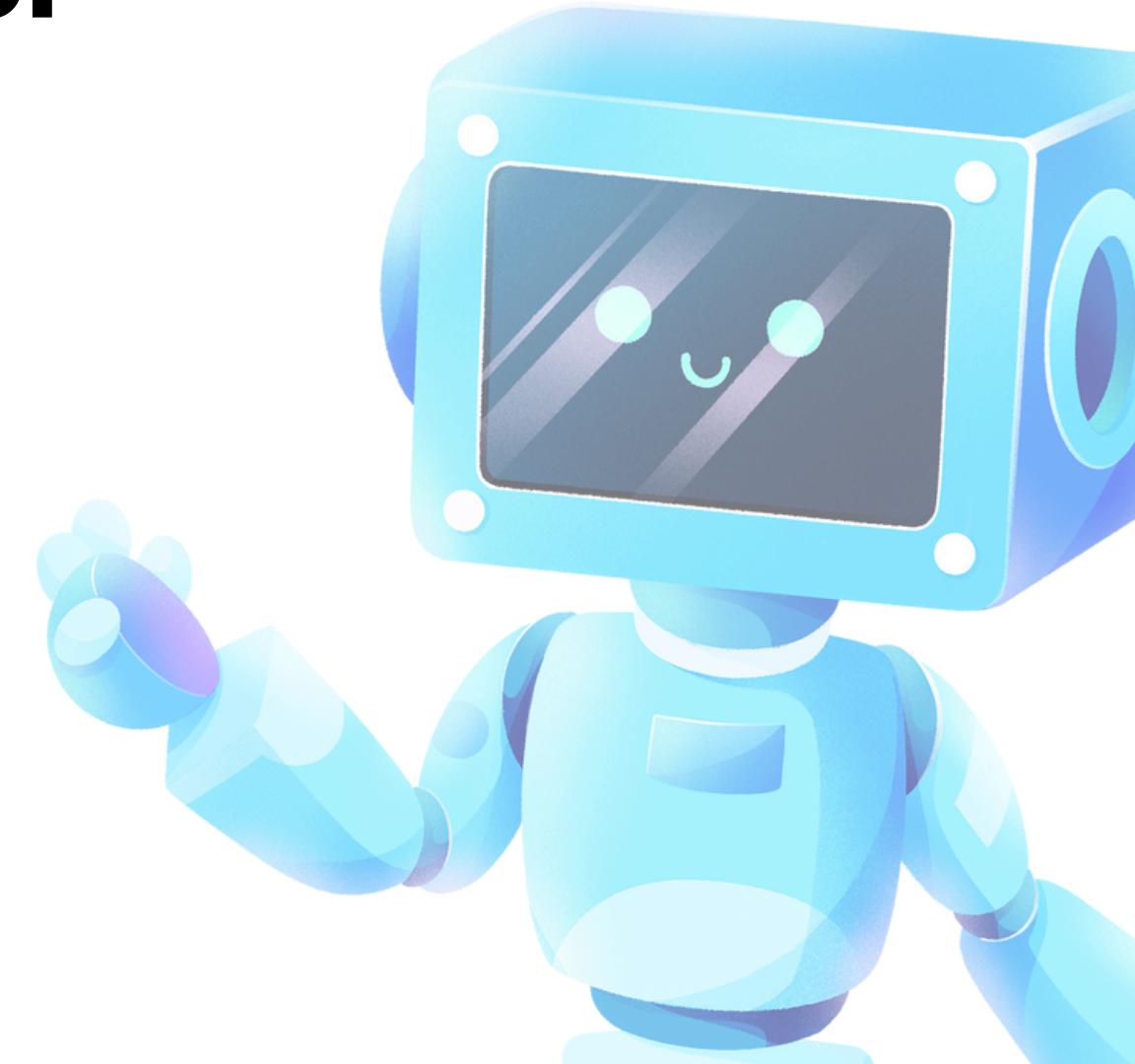


Volunteer Matching

- The bot matches volunteers with opportunities based on their skills, interests, and availability.
- Volunteers can search for specific projects or events and express interest in participating.

Communication and Notifications

- The bot sends notifications about upcoming events, schedule changes, or new volunteer opportunities.
- Volunteers can communicate with organizers, ask questions, and receive updates via the bot.



INFERENCE

- Enhanced Efficiency
- Improved Accuracy
- Scalability
- Empowered Decision-Making
- Enhanced Volunteer Experience

