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CIS129 Final Project

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Volunteer Coordination for One-time Events (Tucson Classics Car Show)

Problem: The Rotary Club of Tucson plans, coordinates, and runs the Tucson Classics Car Show as its annual fundraiser. Volunteer coordination, scheduling, and information distribution is primarily accomplished through manual methods. My program would assist at managing volunteer information, work scheduling, and communications for this event or for any other nonprofit organization.

Existing Solutions: Many software solutions currently exist to assist nonprofit organizations to manage their volunteers: Bloomerang, 360MatchPro, SignUpGenius, POINT, VolunteerMark, Signup Zone, Giveffect, Better Impact, Helper Helper, Get Connected – to name a few. These volunteer management software solutions, are platforms designed to help organizations administer volunteer programs.

Specific features vary across software solutions, but, a few common ones are volunteer recruitment, management, communication, and scheduling and maintain a database of volunteer information. Some volunteer management platforms integrate with donor management software. These solutions are primarily for large nonprofit organizations such as the United Way or Goodwill Industries.

Interest/Justification: I am a member of the Rotary Club of Tucson, I was the Car Show Chair in 2021, and the Volunteer Coordinator from 2015-2020. I “upgraded” our volunteer tracking from manual entry and tracking on sheets of paper to manual entry in Excel spreadsheets. At least Excel made the eventual summing up of volunteer hours an easier chore. The current solution is Google Forms with manual transfer to Excel speadsheets.

Software Solution Proposal: A more automated system to include online data entry of name, email, phone number, the volunteer’s organization, the volunteer task, and shift time. The program would parse the information so event organizers could track areas of greatest need, send out emails or automate common emails and reminders, create a phone list, and maintain a database of potential volunteers for future events. On the day of the event, volunteers would sign in at a kiosk or perhaps even via a phone/online application which would then update the program and track volunteer hours worked.

Pseudocode:

Def Main

Initialize number of volunteer tasks

Initialize number of slots per task

Call to get volunteer data

Read csv file and fill time slots

Organizer input to display empty time slots

Filled time slots is True

If False then display time slot

Organizer input to display any possible data columns (for example email list)

Read csv file and write to new csv file

Display new csv file

Get volunteer input to sign in

Set sign\_in to True

Write to CSV file

Call to get volunteer time

Display volunteer time

Function volunteer data

Get name, phone number, email address, organization, volunteer task, shift time

Write to csv file

Function volunteer time

Iterate through csv file

If sign\_in is True

total vol time = shift time + total time

return total vol time

Citations:

“The Benefits of Using Volunteer Management Software.” Onecause,

<https://www.onecause.com/blog/volunteer-management-software-benefits/>

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