

Donation Management System

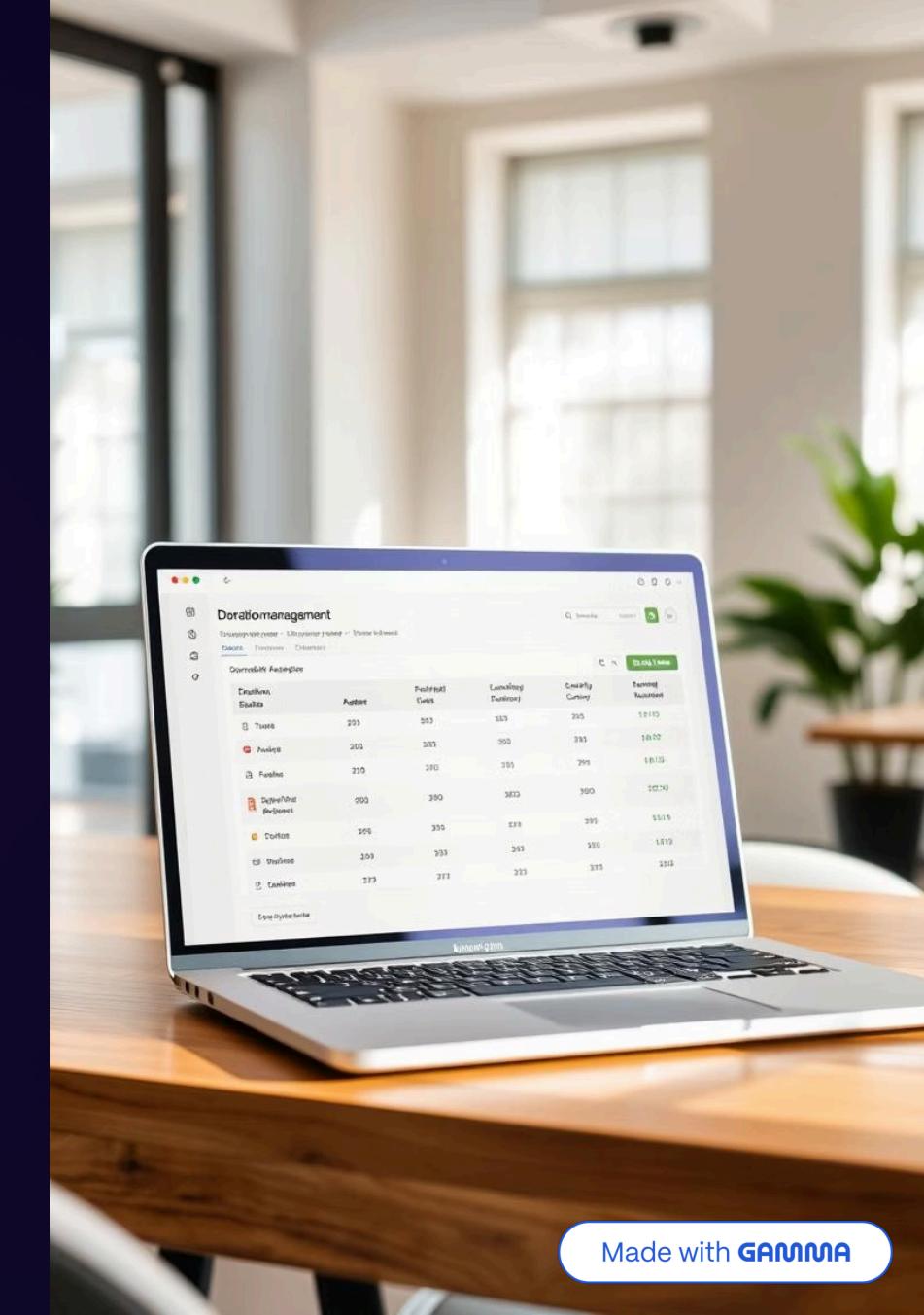
A technical exploration of array implementation for donation management system in c.

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INTRODUCTION:

The Donation Management System is a software solution designed to streamline the process of collecting, organizing, and managing donations for charitable organizations or fundraising campaigns. In today's fast-paced world, manual handling of donor information and contributions can lead to inefficiencies, data loss, and lack of transparency. This system addresses those challenges by providing a centralized platform where donation categories such as food, clothes, and money are clearly organized, and donor details are efficiently stored and retrieved.





OBJECTIVE :

The objective of this Donation Management System project is to design and develop a centralized platform that efficiently manages donor information, tracks donations, automates receipts, and generates reports to enhance transparency, accountability, and operational efficiency for nonprofit organizations or fundraising initiatives.

WHY C AND DSA ?

- Foundation for Other Languages
- Efficiency and Speed
- Portability
- Efficient Problem Solving
- Better Code Organization
- Improved Logic and Thinking
- Interview and Career Relevance

ALGORITHM :

1. Initialize:

- Define categories: FOOD, CLOTHES, MONEY.
- Create an array of linked lists (one for each category).

2. Display Menu (loop until user exits):

Add Donor

Display Donors

Exit

1. If Add Donor:

- Ask user to choose a category.
- Input donor name.
- Create a new donor node.
- Insert at the beginning of the selected category's list.

4 . If Display Donors:

- For each category:
 - Traverse and print all donor names.
 - If no donors, print "No donors yet."

5 . If Exit:

- Terminate the program.

OUTPUT :

--- Donation Management System ---

1. Add Donor
2. Display Donors
3. Exit Enter your choice: 1

Select Category:

1. FOOD
2. CLOTHES
3. MONEY Enter category number: 1 Enter donor name: John
Donor added successfully....

--- Donation Management System ---

1. Add Donor
2. Display Donors
3. Exit Enter your choice: 3

Exiting.....

LINK:[prathima1/PRATHIMA.C at main · PrathimaW6/prathima1](#)

CONCLUSION :

The Donation Management System developed in C successfully demonstrates how fundamental programming concepts and data structures can be applied to solve real-life problems. By organizing donations into categories such as food, clothes, and money, and maintaining a dynamic list of donors using linked lists, the system ensures efficient data handling and easy access to donor information.

THANK YOU