

CPSC 304 Project Cover Page

Milestone #: 4

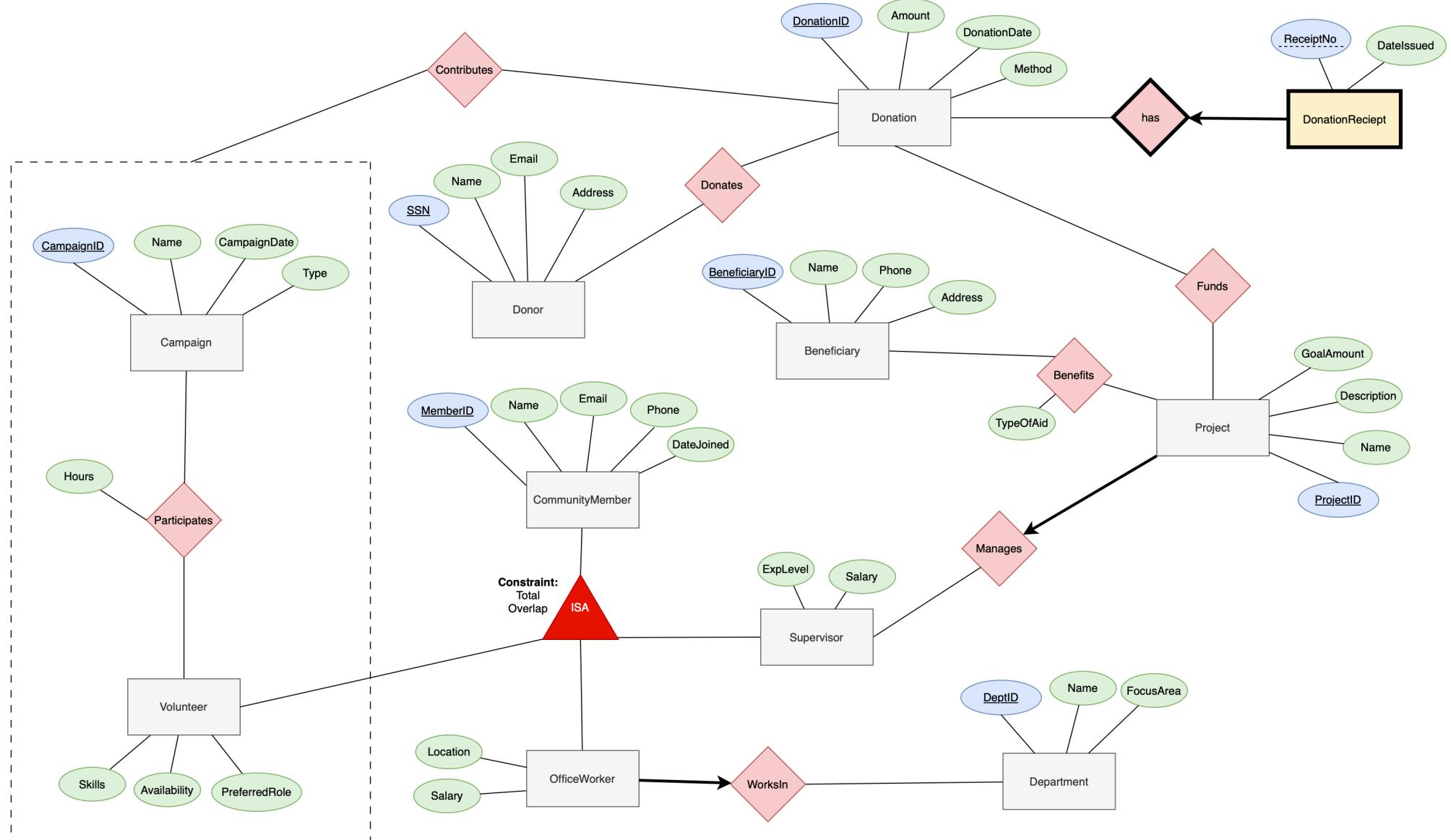
Date: November 27, 2025

Group Number: 34

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia



CommunityCare

Summary

CommunityCare is a database system designed to support the operations of a charity or NGO. Our final project implements a functional system that manages donors, donations, campaigns, projects, volunteers, beneficiaries, office staff, and supervisors.

We built a working relational database with full create, read, update and delete support across all major entities. The system allows recording donations, allocating them to campaigns or projects, issuing and reissuing receipts, managing volunteer participation, linking beneficiaries to projects or campaigns, and organizing staff information.

We also implemented several advanced database features, including aggregation queries, nested queries, projection with dynamic columns and a report page that allows users to filter, search, and summarize key data. The web interface provides simple navigation for administrators to manage all parts of the organization.

Schema changes:

Our final schema did not require any structural changes. The relations, keys, and subtype design all worked as intended, so no modifications were needed. The only difference was the addition of more sample data in several tables. This extra data allowed the queries to return richer and more informative results during testing and demonstration, but it did not alter the schema itself.

Queries:

- **Create All tables** : Pouyan

Our application checks if the database already existed after connection is established. If it does not exist, it runs the SetupDB.sql to create all tables and mock data. In addition to that, the user is able to click on the *Reload Database* button which we added to all pages to reset the database to the initial values.

- **INSERT** : Amirhosein

It is implemented into the *projects.html*. Users can add a new project into the projects relation in the database. Users are prompted first to add the name and the description of the project along with the goal amount of that project. Please note that for keeping all the data sanitized and consistent the projectID will be selected for that user based on the last number inserted to the project as the last number inserted into the database. Once the user enters the data related to the project they will be prompted to add a supervisorID since it is a foreign key of the relation due to one to many relation with total constraint. Then the supervisorID will be checked to match the corresponding values present if so the data will be inserted into the project's table. Please note a secondary Insertion method was added for the donation which later we realized does not meet the criteria for our assignment so we implemented a second one for Projects.

- **DELETE** : Pouyan

The delete operation removes a member from a specific subtype table such as Supervisor, Volunteer, or OfficeWorker. After the row is removed from that subtype, the query checks whether the member still belongs to any other subtype. If the member no longer appears in any subtype, the operation then removes the member from the main CommunityMember table as well. This creates a controlled delete process that ensures the system only removes the main record when the member has no remaining roles.

- **UPDATE** : Muhtadi

The update operation is implemented on the Office Worker relation together with its parent Community Member, we provide a dedicated Office Workers page that lists all office workers in a table, including both office worker specific and shared community member attributes. Each row has an “Update” action button. Clicking it opens a modal form that is pre-filled with that worker’s current attributes then the user can update multiple attributes at once. Before saving, the system performs validation checks to ensure that emails are case-insensitive and unique, and that the department ID exists. If this validation fails then clear error messages are displayed.

- **SELECTION** : Amirhosein

Selection code was implemented on the *project* relationship. There is a bar on top of the page for projects in which you can select if you want to have less than or greater than some results for the goal amounts for the database. Then based on the user's selection the query will be

sent to the database for corresponding tuples. This is a select operation sent to the database and the table will be refreshed and displays what the database returns based on the user's entry.

- **PROJECTION : Pouyan**

The projection query selects only the specified attributes from a table and removes all others. It also builds the list of attributes and tables dynamically, which allows the user to choose any combination of columns at runtime. This produces a relation that contains only the selected fields while ignoring everything else.

- **JOIN : Muhtadi**

We used the JOIN query here to allow users to explore donation activity by connecting multiple related tables in the database. In this case we joined the Donor, donates, funds and project tables to get all the relevant information. The user then enters a donor's name through the interface and that is passed as the parameter for the query. This produces a meaningful combined relation that shows each donor's contributions across projects.

- **Aggregation with Group By : Pouyan**

The donation summary groups all donations by their method. For each group, the query computes the total donated amount. Each method appears once with its calculated sum, which represents the combined contributions within that category.

- **Aggregation with Having : Pouyan**

The donor filter groups donations by donor and computes the total amount donated by each person. The Having condition keeps only donors whose total amount meets or exceeds the chosen threshold. After identifying these donors, the query returns their individual donation records.

- **Nested Aggregation with Group By : Pouyan**

The volunteer hours query uses a nested grouping structure. The inner query groups participation records by volunteer and computes the total hours for each person. The outer query then groups again by volunteer and compares each total to the average value produced by the inner aggregation. Only volunteers whose total hours exceed the computed average are included in the final result.

- **Division : Muhtadi**

The division query is implemented on campaigns and volunteers where it identifies volunteers who have participated in all campaigns of a selected type. On the Campaigns page, all campaigns are displayed in a table and there's also a dropdown menu that is populated dynamically using distinct campaign types from the database. When the user selects a type and runs the query, the system executes a division query to find the volunteers according to their participation in the type of campaign picked.

SQL Queries and Location:

QUERY	Function Name	File Name	Line Number
INSERT	addDonation() addProject()	team_34/App/appService.js	542 - 585 772 - 796
DELETE	deleteCommunityMember()	/team_34/App/appService.js	441 - 482
UPDATE	updateOfficeWorker()	team_34/App/appService.js	266 - 419
SELECTION	filterProjectsByGoal() getDonationsForDonorName()	team_34/App/appService.js	852 - 873 589 - 617
PROJECTION	getTables() getColumnsForTable() getProjection()	team_34/App/appService.js	502 - 510 514 - 525 529 - 539
JOIN	getOfficeWorkers() getVolunteersForAllCampaignsOfType() getDonationsForDonorName()	team_34/App/appService.js	238 - 262 667 - 695 589 - 617
Aggregation with Group By	getDonationSummaryByMethod()	team_34/App/appService.js	164 - 178
Aggregation with Having	filterDonors()	team_34/App/appService.js	129 - 161
Nested Aggregation with Group By	getVolunteerMVP()	team_34/App/appService.js	620 - 648
Division	getVolunteersForAllCampaignsOfType()	team_34/App/appService.js	667 - 695

Screenshots:

- Reloading Database :

Before:

← Back to Home Office Workers

Office Workers

Office Workers Table

MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action
402	XXXXXX	xxxxxxxx@x.x	000000000	2023-03-10	XXXX	0	505	<button>Update</button>
403	Cara asdasdasd	asdasdadad@s.c	12312312313	2023-06-21	Finance Wing	2	505	<button>Update</button>
404	Derasdasdasdek Shaw	derek.sasdahaw@ngo.org	604-512312355-1104	2024-02-05	HQ 2Fsdssd	6000000000000	505	<button>Update</button>
405	Ella 1231313Watts	ella.watts@ngo.o123123u123rg	604-123123123555-1105	2024-09-12	Clinic 12313213Trailer	700001232131313	503	<button>Update</button>
406	!@#\$%^&(*	finn_\$123@ngo.org	604-555-110600000	2025-01-09	Warehouse!@#\$%^&*	610001234567890	501	<button>Update</button>

Reload Database

After:

← Back to Home Office Workers

Office Workers

Office Workers Table

MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action
402	XXXXXX	xxxxxxxx@x.x	000000000	2023-03-10	XXXX	0	505	<button>Update</button>
403	Cara asdasdasd	asdasdadad@s.c	12312312313	2023-06-21	Finance Wing	2	505	<button>Update</button>
404	Derasdasdasdek Shaw	derek.sasdahaw@ngo.org	604-512312355-1104	2024-02-05	HQ 2Fsdssd	6000000000000	505	<button>Update</button>
405	Ella 1231313Watts	ella.watts@ngo.o123123u123rg	604-123123123555-1105	2024-09-12	Clinic 12313213Trailer	700001232131313	503	<button>Update</button>
406	!@#\$%^&(*	finn_\$123@ngo.org			This will drop and recreate all tables with sample data. Continue?	610001234567890	501	<button>OK</button> <button>Cancel</button>

Reload Database

← Back to Home Office Workers

Office Workers

Office Workers Table

MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action
402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10	HQ 3F	72000	501	<button>Update</button>
403	Cara Gomez	cara.gomez@ngo.org	604-555-1103	2023-06-21	Finance Wing	68000	502	<button>Update</button>
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05	HQ 2F	60000	504	<button>Update</button>
405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12	Clinic Trailer	70000	503	<button>Update</button>
406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09	Warehouse	61000	505	<button>Update</button>

INSERT :

Add with restriction - Before:

The screenshot shows a web-based application interface for managing projects. At the top, there's a navigation bar with a 'Back to Home' link and a 'Projects' tab. Below the navigation is a search bar titled 'Goal Amount Filter' with dropdown menus for 'Select' and 'Amount', and buttons for 'Apply' and 'Reset'. A 'Reload Database' button is located in the top right corner of the main content area. The main content is a table titled 'Projects Table' with columns: ProjectID, Name, Description, GoalAmount, SupervisorID, and Action. The table lists 15 projects, each with a unique ID, name, description, goal amount (e.g., 10000, 20000), supervisor ID (e.g., 401, 402), and an action column containing a dash ('-').

ProjectID	Name	Description	GoalAmount	SupervisorID	Action
301	Food Drive	Collect and distribute food for low-income families	10000	401	-
302	Clean Water	Install water purification systems in rural areas	20000	402	-
303	School Supplies	Provide educational kits for children	12000	403	-
304	Shelter Renovation	Repair shelters for homeless families	25000	404	-
305	Healthcare Outreach	Medical support for remote communities	18000	405	-
306	Tree Planting	Plant trees to improve urban green spaces	15000	407	-
307	Animal Rescue	Support and rescue stray animals	12000	410	-
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411	-
309	Literacy Program	Provide reading programs for adults	13000	403	-
310	Youth Sports	Organize sports activities for children	14000	408	-
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412	-
312	Mental Health	Support mental health programs for communities	16000	406	-
313	Senior Care	Assist senior citizens with daily needs	15000	414	-
314	Tech for Schools	Provide computers and tech equipment for schools	18000	409	-
315	Cultural Events	Organize cultural programs and workshops	11000	401	-

Add with restriction - After:

The screenshot shows the same web-based application interface as the previous one, but with a modal dialog open over the 'Projects Table'. The modal is titled 'Add New Project' and contains fields for Project ID (set to 316), Project Name (set to 'UBC TEST'), Description (set to 'THIS IS A TEST FOR DEMO'), and Goal Amount (\$). The 'Goal Amount (\$)' field has a value of '4000000' entered. At the bottom of the modal are 'Cancel' and 'Proceed to Supervisor Check' buttons. The background table remains visible, showing the list of 15 projects.

ProjectID	Name	Description	GoalAmount	SupervisorID	Action
301	Food Drive	Collect and distribute food for low-income families	10000	401	-
302	Clean Water	Install water purification systems in rural areas	20000	402	-
303	School Supplies	Provide educational kits for children	12000	403	-
304	Shelter Renovation	Repair shelters for homeless families	25000	404	-
305	Healthcare Outreach	Medical support for remote communities	18000	405	-
306	Tree Planting	Plant trees to improve urban green spaces	15000	407	-
307	Animal Rescue	Support and rescue stray animals	12000	410	-
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411	-
309	Literacy Program	Provide reading programs for adults	13000	403	-
310	Youth Sports	Organize sports activities for children	14000	408	-
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412	-
312	Mental Health	Support mental health programs for communities	16000	406	-
313	Senior Care	Assist senior citizens with daily needs	15000	414	-
314	Tech for Schools	Provide computers and tech equipment for schools	18000	409	-
315	Cultural Events	Organize cultural programs and workshops	11000	401	-

Projects

Add New Project

Goal Amount Filter

-- Select --

Amount

Apply

Reset

Reload Database

Projects Table

ProjectID	Name	Description	GoalAmount	SupervisorID	Action
301	Food Drive	Collect and distribute food for low-income families	10000	401	-
302	Clean Water	Install water purification systems in rural areas	20000	402	-
303	School Supplies	Provide educational kits for children	12000	403	-
304	Shelter Renovation	Repair shelters for homeless families	25000	404	-
305	Healthcare Outreach	Medical support for remote communities	18000	405	-
306	Tree Planting	Plant trees to improve urban green spaces	15000	407	-
307	Animal Rescue	Support and rescue stray animals	12000	410	-
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411	-
309	Literacy Program	Provide reading programs for adults	13000	403	-
310	Youth Sports	Organize sports activities for children	14000	408	-
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412	-
312	Mental Health	Support mental health programs for communities	16000	406	-
313	Senior Care	Assist senior citizens with daily needs	15000	414	-
314	Tech for Schools	Provide computers and tech equipment for schools	18000	409	-
315	Cultural Events	Organize cultural programs and workshops	11000	401	-
316	UBC TEST	THIS IS A TEST FOR DEMO	4000000	401	-

Add New Project

Project Supervisor

Enter the Member ID of the supervisor managing this project.

Employee ID

Description

THIS IS A TEST FOR DEMO

MemberID 400 is not a registered supervisor.

Cancel Project Add

Validate & Submit

Cancel

Proceed to Supervisor Check

Projects

Add New Project

Goal Amount Filter

-- Select --

Amount

Apply

Reset

Reload Database

Projects Table

ProjectID	Name	Description	GoalAmount	SupervisorID	Action
301	Food Drive	Collect and distribute food for low-income families	10000	401	-
302	Clean Water	Install water purification systems in rural areas	20000	402	-
303	School Supplies	Provide educational kits for children	12000	403	-
304	Shelter Renovation	Repair shelters for homeless families	25000	404	-
305	Healthcare Outreach	Medical support for remote communities	18000	405	-
306	Tree Planting	Plant trees to improve urban green spaces	15000	407	-
307	Animal Rescue	Support and rescue stray animals	12000	410	-
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411	-
309	Literacy Program	Provide reading programs for adults	13000	403	-
310	Youth Sports	Organize sports activities for children	14000	408	-
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412	-
312	Mental Health	Support mental health programs for communities	16000	406	-
313	Senior Care	Assist senior citizens with daily needs	15000	414	-
314	Tech for Schools	Provide computers and tech equipment for schools	18000	409	-
315	Cultural Events	Organize cultural programs and workshops	11000	401	-
316	UBC TEST	THIS IS A TEST FOR DEMO	4000000	401	-

Add without restriction - Before:

Add without restriction - After:

[← Back to Home](#)

Donations

Donations Table

Find donations by donor name
e.g. Alice, Bob

Filter donors by total donation
Enter minimum total donation (e.g. 100)

Add Donation

DonationID	Amount	DonationDate
101	200	2025-01-15
102	500	2025-02-10
102	500	2025-02-10
103	150	2025-03-05
104	800	2025-04-20
105	300	2025-05-12
106	1000	2025-06-08

Add New Donation

Donation ID
107

Amount
200000

Donation Date
2025-11-27

Method
PayPal

Donor
Brian Chen (SSN 2222)

Project (optional)
Shelter Renovation (ID 304)

[Cancel](#) [Add Donation](#)

Donation Summary by Method

Method	Total donated
Bank Transfer	800
Cash	150
Cheque	1000

[Reload Database](#)

Donations

Donations Table

[Reload Database](#)

Find donations by donor name

e.g. Alice, Bob

[Search donations](#)[Reset](#)

Filter donors by total donation

Enter minimum total donation (e.g. 100)

[Apply filter](#)[Reset filter](#)[Add Donation](#)

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	Food Drive
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	School Supplies
103	150	2025-03-05	Cash	Ryan Zf	ryan.zf@email.com	3333	Food Drive
104	800	2025-04-20	Bank Transfer	David Miller	david.miller@email.com	4444	Clean Water
105	300	2025-05-12	Credit Card	Eva Jackson	eva.jackson@email.com	5555	
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	
107	200000	2025-11-27	PayPal	Brian Chen	brian.chen@gmail.com	2222	Shelter Renovation

Donation Summary by Method

Method	Total donated
Bank Transfer	800
Cheque	150

• DELETE :

Before:

← Back to Home Community Members

Community Members and Roles

MVP Volunteers 🏆 (More Than Average Hours)

MemberID	Name	Total Hours
404	Derek Shaw	15
401	Ava Green	12

Community Members

MemberID	Name	Role	Email	Phone	DateJoined	Action
401	Ava Green	Volunteer	ava.green@ngo.org	604-555-1101	2023-01-15	<button>Delete</button>
401	Ava Green	Supervisor	ava.green@ngo.org	604-555-1101	2023-01-15	<button>Delete</button>
402	Ben Carter	Supervisor	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
402	Ben Carter	Office Worker	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
402	Ben Carter	Volunteer	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
403	Cara Gomez	Supervisor	cara.gomez@ngo.org	604-555-1103	2023-06-21	<button>Delete</button>
403	Cara Gomez	Office Worker	cara.gomez@ngo.org	604-555-1103	2023-06-21	<button>Delete</button>
404	Derek Shaw	Supervisor	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
404	Derek Shaw	Office Worker	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
404	Derek Shaw	Volunteer	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
405	Ella Watts	Office Worker	ella.watts@ngo.org	604-555-1105	2024-09-12	<button>Delete</button>

After 1:

Delete MemberID = 401 as Volunteer

← Back to Home Community Members

Community Members and Roles

Member 401 deleted from Volunteer only (still has other roles). ×

MVP Volunteers 🏆 (More Than Average Hours)

MemberID	Name	Total Hours
404	Derek Shaw	15

Community Members

MemberID	Name	Role	Email	Phone	DateJoined	Action
401	Ava Green	Supervisor	ava.green@ngo.org	604-555-1101	2023-01-15	<button>Delete</button>
402	Ben Carter	Volunteer	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
402	Ben Carter	Supervisor	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
402	Ben Carter	Office Worker	ben.carter@ngo.org	604-555-1102	2023-03-10	<button>Delete</button>
403	Cara Gomez	Supervisor	cara.gomez@ngo.org	604-555-1103	2023-06-21	<button>Delete</button>
403	Cara Gomez	Office Worker	cara.gomez@ngo.org	604-555-1103	2023-06-21	<button>Delete</button>
404	Derek Shaw	Office Worker	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
404	Derek Shaw	Supervisor	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
404	Derek Shaw	Volunteer	derek.shaw@ngo.org	604-555-1104	2024-02-05	<button>Delete</button>
405	Ella Watts	Office Worker	ella.watts@ngo.org	604-555-1105	2024-09-12	<button>Delete</button>
405	Ella Watts	Volunteer	ella.watts@ngo.org	604-555-1105	2024-09-12	<button>Delete</button>

After 2:

Delete MemberID = 401 as Supervisor

[← Back to Home](#)

Community Members

Community Members and Roles

Member 401 deleted from Supervisor and CommunityMember.

X

MVP Volunteers 🌟 (More Than Average Hours)

[Reload Database](#)

MemberID	Name	Total Hours
404	Derek Shaw	15

Community Members

MemberID	Name	Role	Email	Phone	DateJoined	Action
402	Ben Carter	Volunteer	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
402	Ben Carter	Supervisor	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
402	Ben Carter	Office Worker	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
403	Cara Gomez	Supervisor	cara.gomez@ngo.org	604-555-1103	2023-06-21	Delete
403	Cara Gomez	Office Worker	cara.gomez@ngo.org	604-555-1103	2023-06-21	Delete
404	Derek Shaw	Supervisor	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
404	Derek Shaw	Office Worker	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
404	Derek Shaw	Volunteer	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
405	Ella Watts	Office Worker	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
405	Ella Watts	Supervisor	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
405	Ella Watts	Volunteer	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
406	Finn Patel	Volunteer	finn.patel@nao.ora	604-555-1106	2025-01-09	Delete

UPDATE :

Before:

Office Workers Table									
MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action	
402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10	HQ 3F	72000	501	<button>Update</button>	
403	Cara Gomez	cara.gomez@ngo.org	604-555-1103	2023-06-21	Finance Wing	68000	502	<button>Update</button>	
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05	HQ 2F	60000	504	<button>Update</button>	
405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12	Clinic Trailer	70000	503	<button>Update</button>	
406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09	Warehouse	61000	505	<button>Update</button>	

After:

← Back to Home
Office Workers

Office Workers

Office Workers Table									
MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action	
402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10	HQ 3F	72000	501	<button>Update</button>	
403	Cara Gomez	cara.gomez@ngo.org	604-555-1103	2023-06-21	Finance Wing	68000	502	<button>Update</button>	
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05	HQ 2F	60000	504	<button>Update</button>	
405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12	Clinic Trailer	70000	503	<button>Update</button>	
406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09	Warehouse	61000	505	<button>Update</button>	

Update Office Worker
×

Member ID

Name

Email

Phone

Location

Salary

DeptID

Cancel
Save Changes

Office Workers Table									
MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action	
402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10	HQ 3F	72000	501	<button>Update</button>	
403	Cara Gomez - UPDATED	cara.gomez@ngo.org.updated	00000000	2023-06-21	UPDATED	0	505	<button>Update</button>	
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05	HQ 2F	60000	504	<button>Update</button>	
405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12	Clinic Trailer	70000	503	<button>Update</button>	
406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09	Warehouse	61000	505	<button>Update</button>	

- **SELECTION :**

Before:

← Back to Home Projects

Projects

Add New Project

Goal Amount Filter
-- Select -- Amount Apply Reset Reload Database

Projects Table

ProjectID	Name	Description	GoalAmount	SupervisorID
301	Food Drive	Collect and distribute food for low-income families	10000	401
302	Clean Water	Install water purification systems in rural areas	20000	402
303	School Supplies	Provide educational kits for children	12000	403
304	Shelter Renovation	Repair shelters for homeless families	25000	404
305	Healthcare Outreach	Medical support for remote communities	18000	405
306	Tree Planting	Plant trees to improve urban green spaces	15000	407
307	Animal Rescue	Support and rescue stray animals	12000	410
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411
309	Literacy Program	Provide reading programs for adults	13000	403
310	Youth Sports	Organize sports activities for children	14000	408
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412
312	Mental Health	Support mental health programs for communities	16000	406
313	Senior Care	Assist senior citizens with daily needs	15000	414
314	Tech for Schools	Provide computers and tech equipment for schools	18000	409
315	Cultural Events	Organize cultural programs and workshops	11000	401

After - Greater than filter:

← Back to Home Projects

Projects

Add New Project

Goal Amount Filter
Greater Than 18000 Apply Reset Reload Database

Projects Table

ProjectID	Name	Description	GoalAmount	SupervisorID
302	Clean Water	Install water purification systems in rural areas	20000	402
304	Shelter Renovation	Repair shelters for homeless families	25000	404
311	Disaster Relief	Provide aid to disaster-affected areas	22000	412

After - Less than filter:

← Back to Home Projects

Projects

Add New Project

Goal Amount Filter
Less Than 15000 Apply Reset Reload Database

Projects Table

ProjectID	Name	Description	GoalAmount	SupervisorID
301	Food Drive	Collect and distribute food for low-income families	10000	401
303	School Supplies	Provide educational kits for children	12000	403
307	Animal Rescue	Support and rescue stray animals	12000	410
308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411
309	Literacy Program	Provide reading programs for adults	13000	403
310	Youth Sports	Organize sports activities for children	14000	408
315	Cultural Events	Organize cultural programs and workshops	11000	401

- PROJECTION :

Before:

← Back to Home Report

Report

Select a Table

✓ Select a table

SAILORS
BOATS
RESERVES
MOVIE
MOVIESTAR
STARSHIN
DONATION
DONOR
COMMUNITYMEMBER
BENEFICIARY
CAMPAIGN
DEPARTMENTINFO
DEPARTMENTFOCUS
SUPERVISOR
VOLUNTEER
PROJECT
OFFICEWORKER
DONATIONRECEIPT
DONATES
FUNDS
BENEFITS
CONTRIBUTES
PARTICIPATES
PERSON
SHOW
SONG
SONGSPERFORMED
PURCHASE
MUSICIAN
PERFORMEDIN
AUTHORS
PUBLISHERS
TITLE

After

← Back to Home Report

Report

Select a Table

DONOR

Choose the columns you want to include:

SSN
 NAME
 EMAIL
 ADDRESS

Show Projection

#	SSN	NAME	EMAIL	ADDRESS
1	1111	Jane Doe	jane.doe@gmail.com	23 King St, Toronto
2	2222	Brian Chen	brian.chen@gmail.com	90 Queen Rd, Ottawa
3	3333	Ryan Zf	ryan.zf@email.com	12 Maple Ave, Vancouver
4	4444	David Miller	david.miller@email.com	55 Elm St, Montreal
5	5555	Eva Jackson	eva.jackson@email.com	78 Pine Dr, Calgary

- JOIN :

Join on Donation, Donor, Funds, Project

[← Back to Home](#)

Donation

Donations

Donations Table

[Reload Database](#)

Find donations by donor name

e.g. Alice, Bob

[Search donations](#)

[Reset](#)

Filter donors by total donation

Enter minimum total donation (e.g. 100)

[Apply filter](#)

[Reset filter](#)

[Add Donation](#)

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	Food Drive
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	School Supplies
103	150	2025-03-05	Cash	Ryan Zf	ryan.zf@email.com	3333	Food Drive
104	800	2025-04-20	Bank Transfer	David Miller	david.miller@email.com	4444	Clean Water
105	300	2025-05-12	Credit Card	Eva Jackson	eva.jackson@email.com	5555	
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	

Join on CommunityMembers and Volunteer, OfficeWorker and supervisor

Community Members

MemberID	Name	Role	Email	Phone	DateJoined	Action
401	Ava Green	Volunteer	ava.green@ngo.org	604-555-1101	2023-01-15	Delete
401	Ava Green	Supervisor	ava.green@ngo.org	604-555-1101	2023-01-15	Delete
402	Ben Carter	Supervisor	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
402	Ben Carter	Office Worker	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
402	Ben Carter	Volunteer	ben.carter@ngo.org	604-555-1102	2023-03-10	Delete
403	Cara Gomez	Supervisor	cara.gomez@ngo.org	604-555-1103	2023-06-21	Delete
403	Cara Gomez	Office Worker	cara.gomez@ngo.org	604-555-1103	2023-06-21	Delete
404	Derek Shaw	Supervisor	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
404	Derek Shaw	Office Worker	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
404	Derek Shaw	Volunteer	derek.shaw@ngo.org	604-555-1104	2024-02-05	Delete
405	Ella Watts	Office Worker	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
405	Ella Watts	Supervisor	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
405	Ella Watts	Volunteer	ella.watts@ngo.org	604-555-1105	2024-09-12	Delete
406	Finn Patel	Office Worker	finn.patel@ngo.org	604-555-1106	2025-01-09	Delete

Join on Officeworker and CommunityMembers

[← Back to Home](#)

Office Workers

Office Workers

Office Workers Table

[Reload Database](#)

MemberID	Name	Email	Phone	DateJoined	Location	Salary	DeptID	Action
402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10	HQ 3F	72000	501	<button>Update</button>
403	Cara Gomez	cara.gomez@ngo.org	604-555-1103	2023-06-21	Finance Wing	68000	502	<button>Update</button>
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05	HQ 2F	60000	504	<button>Update</button>
405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12	Clinic Trailer	70000	503	<button>Update</button>
406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09	Warehouse	61000	505	<button>Update</button>

- Aggregation with Group By :

Before:

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	Food Drive
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	School Supplies
103	150	2025-03-05	Cash	Ryan Zf	ryan.zf@email.com	3333	Food Drive
104	800	2025-04-20	Bank Transfer	David Miller	david.miller@email.com	4444	Clean Water
105	300	2025-05-12	Credit Card	Eva Jackson	eva.jackson@email.com	5555	
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	

Donation Summary by Method

Method	Total donated
Bank Transfer	800
Cash	150
Cheque	1000
Credit Card	500
PayPal	500

After: Added 1,000,000 Cheque from Ryan Zf as Donor

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	Food Drive
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	School Supplies
103	150	2025-03-05	Cash	Ryan Zf	ryan.zf@email.com	3333	Food Drive
104	800	2025-04-20	Bank Transfer	David Miller	david.miller@email.com	4444	Clean Water
105	300	2025-05-12	Credit Card	Eva Jackson	eva.jackson@email.com	5555	
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	
107	1000000	2025-11-26	Cheque	Ryan Zf	ryan.zf@email.com	3333	Food Drive

Donation Summary by Method

Method	Total donated
Bank Transfer	800
Cash	150
Cheque	1001000
Credit Card	500
PayPal	500

- Aggregation with Having :

Before:

[← Back to Home](#) [Show sidebar](#) [Donation](#)

Donations

Donations Table

Find donations by donor name
e.g. Alice, Bob [Search donations](#) [Reset](#)

Filter donors by total donation
Enter minimum total donation (e.g. 100) [Apply filter](#) [Reset filter](#)

[Add Donation](#)

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	Food Drive
102	500	2025-02-10	PayPal	Brian Chen	brian.chen@gmail.com	2222	School Supplies
103	150	2025-03-05	Cash	Ryan Zf	ryan.zf@email.com	3333	Food Drive
104	800	2025-04-20	Bank Transfer	David Miller	david.miller@email.com	4444	Clean Water
105	300	2025-05-12	Credit Card	Eva Jackson	eva.jackson@email.com	5555	
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	

After

[← Back to Home](#) [Donation](#)

Donations

Donations Table

Find donations by donor name
e.g. Alice, Bob [Search donations](#) [Reset](#)

Filter donors by total donation
1000 [Apply filter](#) [Reset filter](#)

[Add Donation](#)

DonationID	Amount	DonationDate	Method	Donor	DonorEmail	DonorSSN	Project
101	200	2025-01-15	Credit Card	Jane Doe	jane.doe@gmail.com	1111	Shelter Renovation
106	1000	2025-06-08	Cheque	Jane Doe	jane.doe@gmail.com	1111	

- Nested Aggregation with Group By :

Before:

Table shows the volunteers who worked more than average hours of all volunteers

The screenshot shows a web application interface. At the top, there is a dark header bar with a "Back to Home" link on the left and a "Community Members" link on the right. Below the header, the main content area has a light blue background. It features a title "Community Members and Roles" in blue text. Underneath the title is a sub-section titled "MVP Volunteers 🏆 (More Than Average Hours)". To the right of this sub-section is a small green button labeled "Reload Database". The main content is a table with three columns: "MemberID", "Name", and "Total Hours". The data in the table is as follows:

MemberID	Name	Total Hours
404	Derek Shaw	15
401	Ava Green	12

After

Deleted Derek Shaw role as Volunteer and table gets updated

The screenshot shows the same web application interface as before, but with a message at the top indicating a deletion. The message is "Member 404 deleted from Volunteer only (still has other roles)." with a close button "X" to its right. Below this message is the same "MVP Volunteers 🏆 (More Than Average Hours)" section and table. The table now contains the following data:

MemberID	Name	Total Hours
401	Ava Green	12
405	Ella Watts	10

At the bottom of the page, there is a link "Community Members".

- Division :

Before:

[← Back to Home](#) Campaign

Campaigns

Campaign Type

Volunteers who joined **all campaigns** of a type

MemberID	Name	Email	Phone

CampaignID	Name	CampaignDate	Type
3002	Back-to-School Kits	2025-08-01	Education
3201	School Readiness	2025-05-10	Education
3202	Evening Tutoring	2025-06-20	Education
3203	STEM for Youth	2025-07-05	Education
3003	Community Garden	2025-04-15	Environment
3001	Winter Food Drive	2025-01-10	Food
3101	Food Drive Expansion	2025-07-01	Food
3102	Summer Food Pickup	2025-07-15	Food
3103	Fall Food Prep	2025-09-10	Food
3004	Mobile Clinic	2025-05-22	Health
3301	Health Checkup Camp	2025-03-10	Health
3302	Vaccination Drive	2025-04-02	Health
3303	First Aid Workshop	2025-08-15	Health

Campaign Participation (Volunteers & Hours)

MemberID	Volunteer Name	CampaignID	Campaign Name	Type	Hours
404	Derek Shaw	3002	Back-to-School Kits	Education	15
404	Derek Shaw	3201	School Readiness	Education	7
404	Derek Shaw	3202	Evening Tutoring	Education	6
404	Derek Shaw	3203	STEM for Youth	Education	9
401	Ava Green	3001	Winter Food Drive	Food	12
402	Ben Carter	3001	Winter Food Drive	Food	8
401	Ava Green	3101	Food Drive Expansion	Food	12
402	Ben Carter	3101	Food Drive Expansion	Food	4
401	Ava Green	3102	Summer Food Pickup	Food	5
401	Ava Green	3103	Fall Food Prep	Food	5
405	Ella Watts	3004	Mobile Clinic	Health	10
406	Finn Patel	3301	Health Checkup Camp	Health	9
406	Finn Patel	3302	Vaccination Drive	Health	8
406	Finn Patel	3303	First Aid Workshop	Health	7
406	Finn Patel	3005	Shelter Renovation	Housing	9

After:

← Back to Home Campaign

Campaigns

Campaign Type

Education

Find Volunteers

Volunteers who joined **all campaigns** of a type

MemberID	Name	Email	Phone
404	Derek Shaw	derek.shaw@ngo.org	604-555-1104

Campaigns Table

Reload Database

CampaignID	Name	CampaignDate	Type
3002	Back-to-School Kits	2025-08-01	Education
3201	School Readiness	2025-05-10	Education
3202	Evening Tutoring	2025-06-20	Education
3203	STEM for Youth	2025-07-05	Education
3003	Community Garden	2025-04-15	Environment
3001	Winter Food Drive	2025-01-10	Food
3101	Food Drive Expansion	2025-07-01	Food
3102	Summer Food Pickup	2025-07-15	Food
3103	Fall Food Prep	2025-09-10	Food
3004	Mobile Clinic	2025-05-22	Health
3301	Health Checkup Camp	2025-03-10	Health
3302	Vaccination Drive	2025-04-02	Health

Campaign Participation (Volunteers & Hours)

MemberID	Volunteer Name	CampaignID	Campaign Name	Type	Hours
404	Derek Shaw	3002	Back-to-School Kits	Education	15
404	Derek Shaw	3201	School Readiness	Education	7
404	Derek Shaw	3202	Evening Tutoring	Education	6
404	Derek Shaw	3203	STEM for Youth	Education	9
401	Ava Green	3001	Winter Food Drive	Food	12
402	Ben Carter	3001	Winter Food Drive	Food	8
401	Ava Green	3101	Food Drive Expansion	Food	12
402	Ben Carter	3101	Food Drive Expansion	Food	4
401	Ava Green	3102	Summer Food Pickup	Food	5
401	Ava Green	3103	Fall Food Prep	Food	5
405	Ella Watts	3004	Mobile Clinic	Health	10
406	Finn Patel	3301	Health Checkup Camp	Health	9
406	Finn Patel	3302	Vaccination Drive	Health	8
406	Finn Patel	3303	First Aid Workshop	Health	7
406	Finn Patel	3005	Shelter Renovation	Housing	9

Relations:

1. Contributions

#	DONATIONID	CAMPAIGNID	MEMBERID
1	101	3001	401
2	102	3002	402
3	103	3003	403
4	104	3004	404
5	105	3005	405
6	106	3001	406

2. Donates

#	DONATIONID	SSN
1	101	1111
2	102	2222
3	103	3333
4	104	4444
5	105	5555
6	106	1111

3. DonationReceipt (Weak Entity)

#	RECEIPTNO	DONATIONID	DATEISSUED
1	9001	101	2025-01-16T08:00:00.000Z
2	9002	102	2025-02-11T08:00:00.000Z
3	9003	103	2025-03-06T08:00:00.000Z
4	9004	104	2025-04-21T08:00:00.000Z
5	9005	105	2025-05-13T08:00:00.000Z
6	9006	106	2025-06-09T08:00:00.000Z

4. Funds

#	PROJECTID	DONATIONID
1	301	102
2	301	103
3	302	104
4	303	102
5	304	101

5. Benefits

#	BENEFICIARYID	PROJECTID	TYPEOFAID
1	1001	301	Cash Payment
2	1002	302	Medical Supplies
3	1003	303	Scholarship
4	1004	304	Shelter Support
5	1005	305	Groceries

6. Manages ⇒ Merges with Project and takes the SuperVisorMemberID as FK

#	PROJECTID	NAME	DESCRIPTION	GOALAMOUNT	SUPERVISORMEMBERID
1	301	Food Drive	Collect and distribute food for low-income families	10000	401
2	302	Clean Water	Install water purification systems in rural areas	20000	402
3	303	School Supplies	Provide educational kits for children	12000	403
4	304	Shelter Renovation	Repair shelters for homeless families	25000	404
5	305	Healthcare Outreach	Medical support for remote communities	18000	405
6	306	Tree Planting	Plant trees to improve urban green spaces	15000	407
7	307	Animal Rescue	Support and rescue stray animals	12000	410
8	308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411
9	309	Literacy Program	Provide reading programs for adults	13000	403
10	310	Youth Sports	Organize sports activities for children	14000	408
11	311	Disaster Relief	Provide aid to disaster-affected areas	22000	412
12	312	Mental Health	Support mental health programs for communities	16000	406
13	313	Senior Care	Assist senior citizens with daily needs	15000	414
14	314	Tech for Schools	Provide computers and tech equipment for schools	18000	409
15	315	Cultural Events	Organize cultural programs and workshops	11000	401

7. Participates

#	MEMBERID	CAMPAIGNID	HOURS
1	401	3001	12
2	401	3101	12
3	401	3102	5
4	401	3103	5
5	402	3001	8
6	402	3101	4
7	404	3002	15
8	404	3201	7
9	404	3202	6
10	404	3203	9
11	405	3004	10
12	406	3301	9
13	406	3302	8
14	406	3303	7
15	406	3005	9

8. WorksIn ⇒ Merges with OfficeWorker and takes the DeptID as FK

#	MEMBERID	LOCATION	SALARY	DEPTID
1	402	HQ 3F	72000	501
2	403	Finance Wing	68000	502
3	405	Clinic Trailer	70000	503
4	406	Warehouse	61000	505
5	404	HQ 2F	60000	504

9. Donation

#	DONATIONID	AMOUNT	DONATIONDATE	METHOD
1	101	200	2025-01-15T08:00:00.000Z	Credit Card
2	102	500	2025-02-10T08:00:00.000Z	PayPal
3	103	150	2025-03-05T08:00:00.000Z	Cash
4	104	800	2025-04-20T08:00:00.000Z	Bank Transfer
5	105	300	2025-05-12T08:00:00.000Z	Credit Card
6	106	1000	2025-06-08T08:00:00.000Z	Cheque

10. Donor

#	SSN	NAME	EMAIL	ADDRESS
1	1111	Jane Doe	jane.doe@gmail.com	23 King St, Toronto
2	2222	Brian Chen	brian.chen@gmail.com	90 Queen Rd, Ottawa
3	3333	Ryan Zf	ryan.zf@email.com	12 Maple Ave, Vancouver
4	4444	David Miller	david.miller@email.com	55 Elm St, Montreal
5	5555	Eva Jackson	eva.jackson@email.com	78 Pine Dr, Calgary

11. Beneficiary

#	BENEFICIARYID	NAME	PHONE	ADDRESS
1	1001	David	6041245789	25 Kent road Vancouver
2	1002	Mamad	7781452768	122 Lonsdale North Vancouver
3	1003	Hasan	2345896347	535 Shaw Ave Coquitlam
4	1004	John	6048897514	122 Bluemountain Vancouver
5	1005	Alex	7784977896	3033 East Town road Burnaby

12. Project

#	PROJECTID	NAME	DESCRIPTION	GOALAMOUNT	SUPERVISORMEMBERID
1	301	Food Drive	Collect and distribute food for low-income families	10000	401
2	302	Clean Water	Install water purification systems in rural areas	20000	402
3	303	School Supplies	Provide educational kits for children	12000	403
4	304	Shelter Renovation	Repair shelters for homeless families	25000	404
5	305	Healthcare Outreach	Medical support for remote communities	18000	405
6	306	Tree Planting	Plant trees to improve urban green spaces	15000	407
7	307	Animal Rescue	Support and rescue stray animals	12000	410
8	308	Community Garden	Create gardens in neighborhoods for fresh produce	10000	411
9	309	Literacy Program	Provide reading programs for adults	13000	403
10	310	Youth Sports	Organize sports activities for children	14000	408
11	311	Disaster Relief	Provide aid to disaster-affected areas	22000	412
12	312	Mental Health	Support mental health programs for communities	16000	406
13	313	Senior Care	Assist senior citizens with daily needs	15000	414
14	314	Tech for Schools	Provide computers and tech equipment for schools	18000	409
15	315	Cultural Events	Organize cultural programs and workshops	11000	401

13. Community Members

#	MEMBERID	NAME	EMAIL	PHONE	DATEJOINED
1	401	Ava Green	ava.green@ngo.org	604-555-1101	2023-01-15T08:00:00.000Z
2	402	Ben Carter	ben.carter@ngo.org	604-555-1102	2023-03-10T08:00:00.000Z
3	403	Cara Gomez	cara.gomez@ngo.org	604-555-1103	2023-06-21T08:00:00.000Z
4	404	Derek Shaw	derek.shaw@ngo.org	604-555-1104	2024-02-05T08:00:00.000Z
5	405	Ella Watts	ella.watts@ngo.org	604-555-1105	2024-09-12T08:00:00.000Z
6	406	Finn Patel	finn.patel@ngo.org	604-555-1106	2025-01-09T08:00:00.000Z
7	407	Grace Liu	grace.liu@ngo.org	604-555-1107	2023-04-18T08:00:00.000Z
8	408	Henry Kim	henry.kim@ngo.org	604-555-1108	2023-07-23T08:00:00.000Z
9	409	Isla Thompson	isla.thompson@ngo.org	604-555-1109	2023-09-02T08:00:00.000Z
10	410	Jack Wilson	jack.wilson@ngo.org	604-555-1110	2024-01-17T08:00:00.000Z
11	411	Kara Martinez	kara.martinez@ngo.org	604-555-1111	2024-03-21T08:00:00.000Z
12	412	Liam Brown	liam.brown@ngo.org	604-555-1112	2024-05-30T08:00:00.000Z
13	413	Mia Johnson	mia.johnson@ngo.org	604-555-1113	2024-08-14T08:00:00.000Z
14	414	Noah Davis	noah.davis@ngo.org	604-555-1114	2025-02-11T08:00:00.000Z
15	415	Olivia Scott	olivia.scott@ngo.org	604-555-1115	2025-04-19T08:00:00.000Z
16	416	Peter Evans	peter.evans@ngo.org	604-555-1116	2025-06-25T08:00:00.000Z

14. Supervisor

#	MEMBERID	EXPLEVEL	SALARY
1	401	Senior	85000
2	402	Senior	90000
3	403	Intermediate	70000
4	404	Junior	60000
5	405	Intermediate	75000
6	406	Junior	58000
7	407	Junior	62000
8	408	Intermediate	74000
9	409	Senior	88000
10	410	Intermediate	72000
11	411	Junior	61000
12	412	Senior	91000
13	413	Intermediate	76000
14	414	Junior	60000

15. Officeworker

#	MEMBERID	LOCATION	SALARY	DEPTID
1	402	HQ 3F	72000	501
2	403	Finance Wing	68000	502
3	405	Clinic Trailer	70000	503
4	406	Warehouse	61000	505
5	404	HQ 2F	60000	504
6	407	Research Lab	75000	501
7	408	Reception Area	58000	502
8	409	IT Office	72000	504
9	410	Logistics Center	65000	501
10	411	Training Room	63000	505

16. Volunteer

#	MEMBERID	SKILLS	AVAILABILITY	PREFERREDROLE
1	401	First aid; distribution	Weekends	Field helper
2	402	Driving; logistics	Evenings	Driver
3	404	Event setup	Flexible	Setup crew
4	405	Tutoring	Weekdays	Mentor
5	406	Food prep	Weekends	Kitchen support
6	407	Food prep	Weekends	Kitchen support

17. DepartmentInfo

#	DEPTID	NAME
1	501	Community Services
2	502	Finance
3	503	Health and Safety
4	504	Education
5	505	Environmental Support

18. DepartmentFocus

#	NAME	FOCUSAREA
1	Community Services	Poverty Relief
2	Finance	Fund Management
3	Health and Safety	Medical Assistance
4	Education	Youth Literacy Programs
5	Environmental Support	Clean Energy

19. Campaign

#	CAMPAIGNID	NAME	CAMPAIGNDATE	TYPE
1	3001	Winter Food Drive	2025-01-10T08:00:00.000Z	Food
2	3002	Back-to-School Kits	2025-08-01T08:00:00.000Z	Education
3	3003	Community Garden	2025-04-15T08:00:00.000Z	Environment
4	3004	Mobile Clinic	2025-05-22T08:00:00.000Z	Health
5	3005	Shelter Renovation	2025-03-05T08:00:00.000Z	Housing
6	3101	Food Drive Expansion	2025-07-01T08:00:00.000Z	Food
7	3102	Summer Food Pickup	2025-07-15T08:00:00.000Z	Food
8	3103	Fall Food Prep	2025-09-10T08:00:00.000Z	Food
9	3201	School Readiness	2025-05-10T08:00:00.000Z	Education
10	3202	Evening Tutoring	2025-06-20T08:00:00.000Z	Education
11	3203	STEM for Youth	2025-07-05T08:00:00.000Z	Education
12	3301	Health Checkup Camp	2025-03-10T08:00:00.000Z	Health
13	3302	Vaccination Drive	2025-04-02T08:00:00.000Z	Health
14	3303	First Aid Workshop	2025-08-15T08:00:00.000Z	Health