

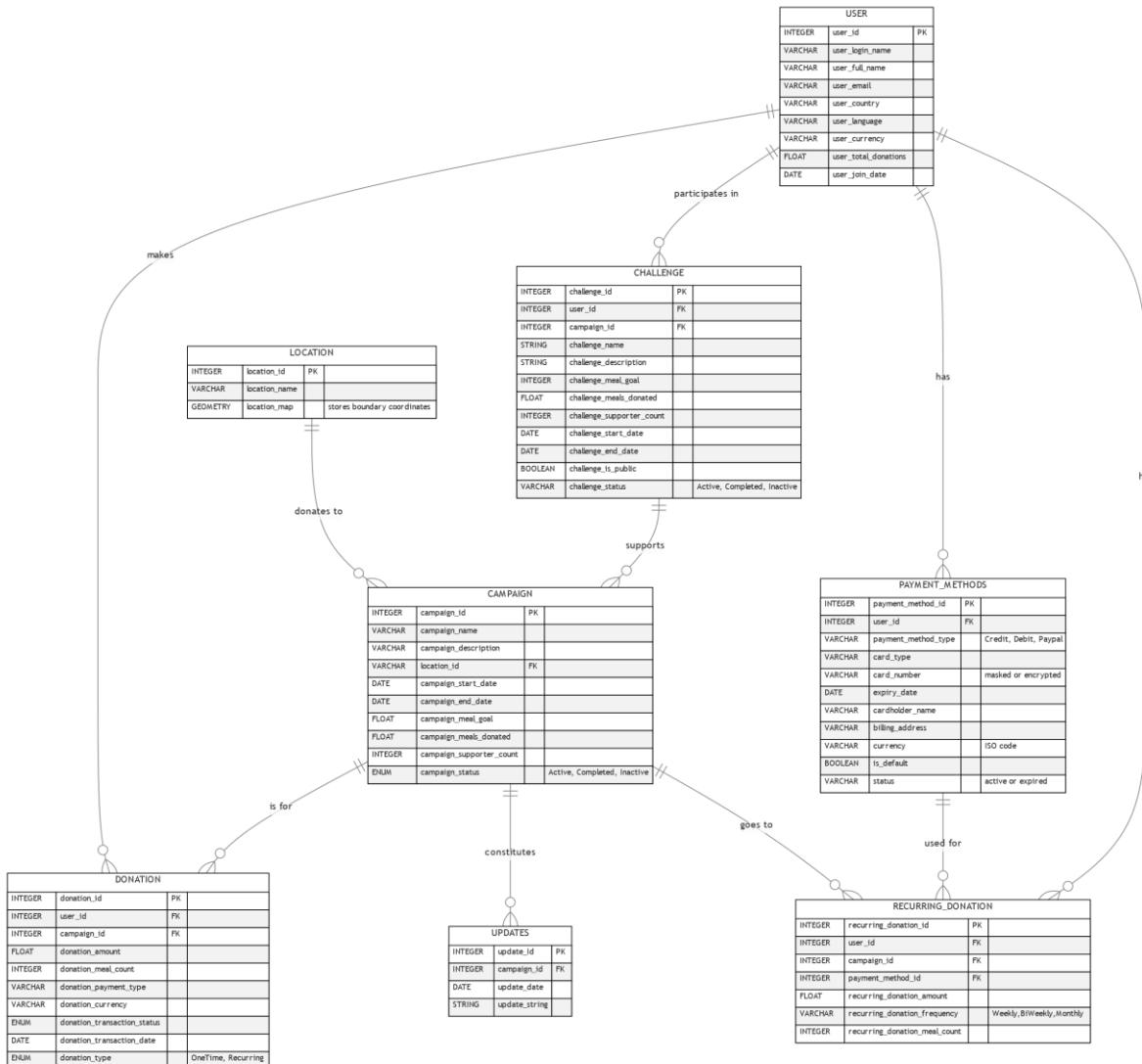
MS805 Group Assignment

Deliverable B — ERD and Relational Model

Group: Thu 203

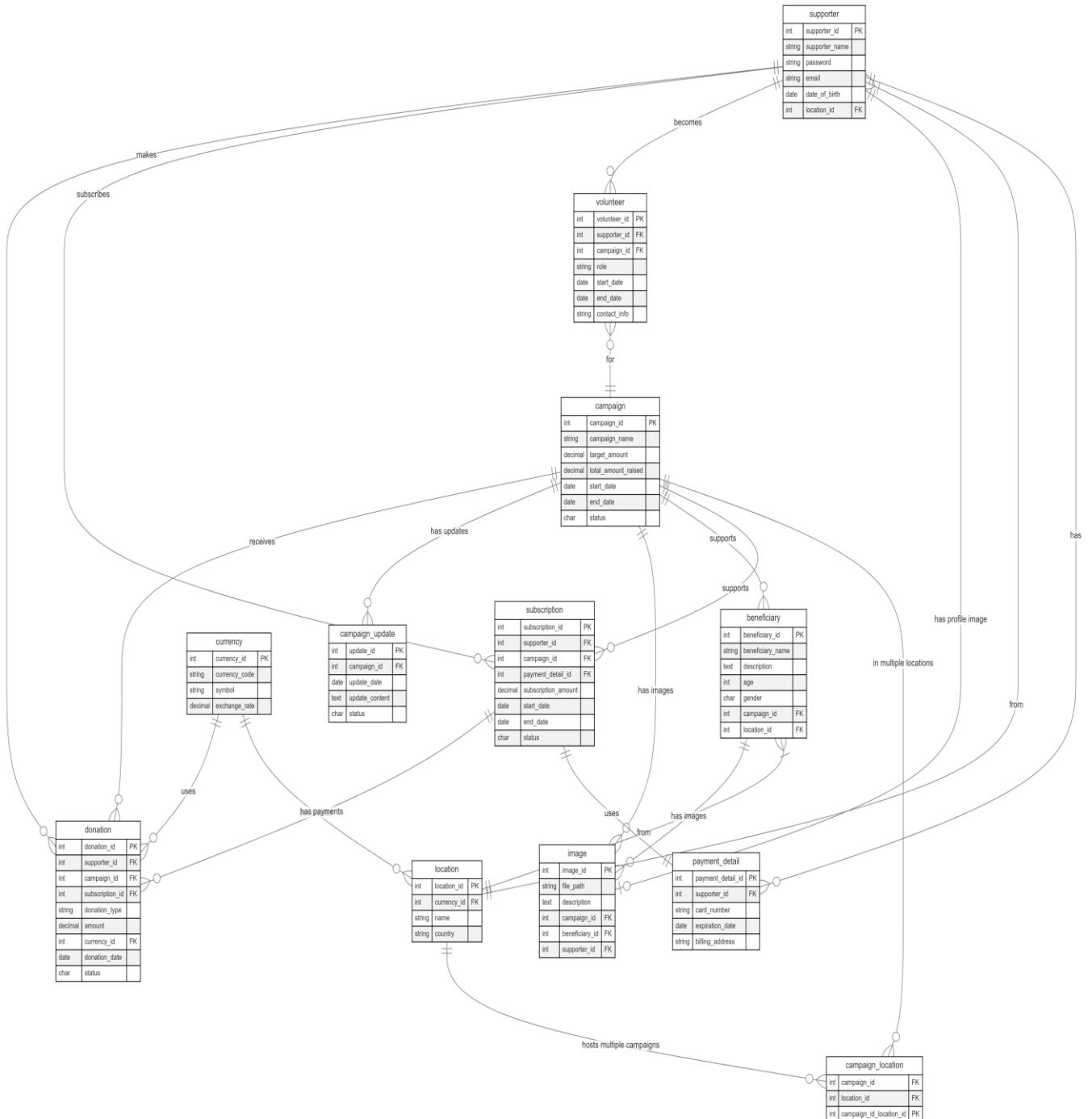
Proposal ERD 1

ERD 1 covers all the fundamental functionalities needed for the case study. Additionally, we have included 'Challenges' which is a feature that is currently only available in the Share the Meal App. We decided to incorporate 'challenges' into our ERD as it's a great way to ensure user interactions and it creates a sense of community. A 'recurring donations' table was created for users who want to make automatic contributions, along with storage of user 'payment methods' to make transactions easier.



Proposal ERD 2

This ERD highlights some extra features of the case study (Share the Meal Fundraising Campaigns) that are not considered as a core function of the ERD. We have added the below features such as ‘Image’, ‘currency’, ‘volunteer’, ‘beneficiary’, and ‘subscription’ which enhance the visualization and demographic representation of the product.

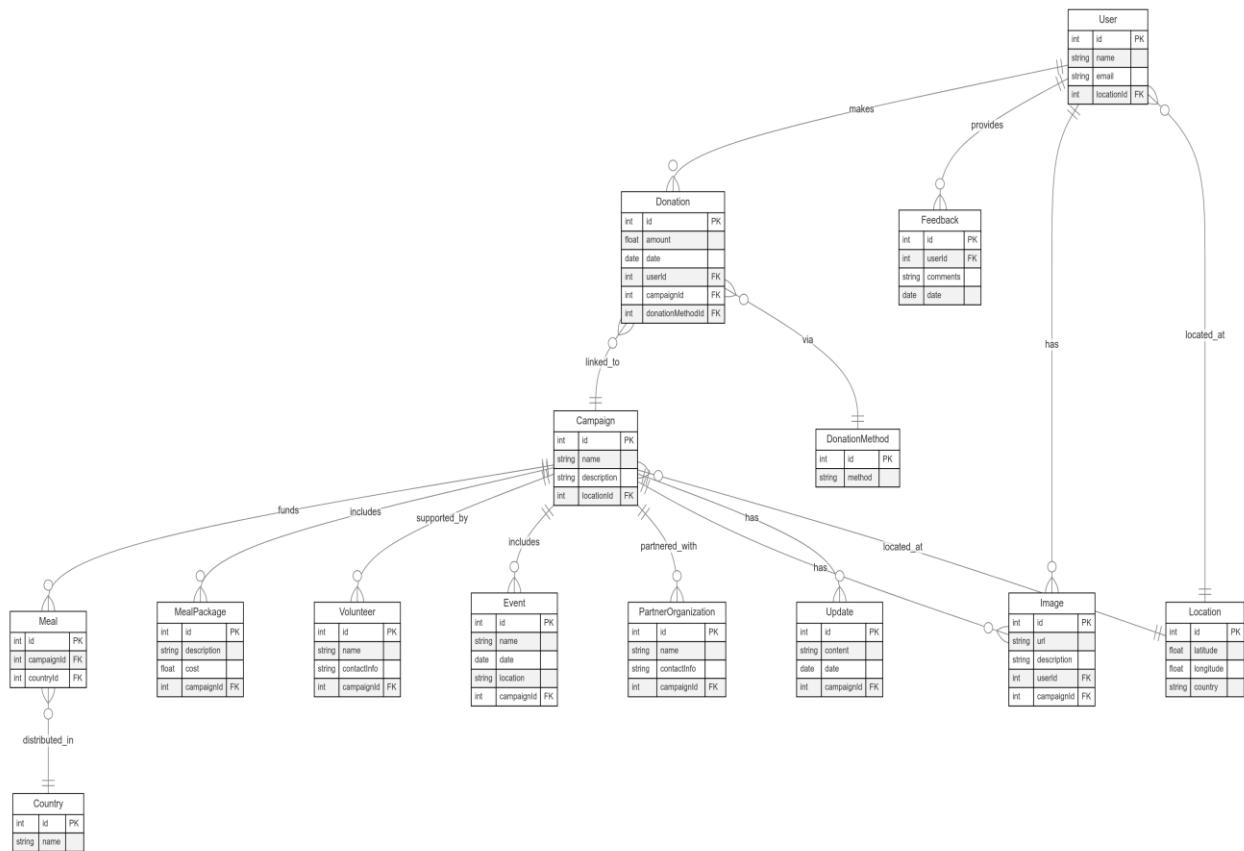


Proposal ERD 3 -Generated by AI (Microsoft Copilot, 2024)

The below ERD was created by Microsoft Copilot using various prompts.

The following prompts were given by us to the Copilot:

1. What can you tell me about the following link <https://sharethemeal.org/campaigns>
2. Is it possible for you to provide me a complete ERD diagram for my reference of the <https://sharethemeal.org/campaigns> website?
3. Don't create a detailed one, only the ones which are quite evident while going through the website. Primary entities include User, Donation, Campaign, and Country, capturing the following relationships: Users can make multiple Donations, each linked to a Campaign, and Campaigns fund Meals distributed across Countries.
4. What other entities you think could be relevant for ShareTheMeal?
5. Can you define the primary keys and foreign keys for all entities?
6. I want you to add location table that stores the coordinates and country for the campaign and user.
7. Also, add update table that stores the updates that are related to the campaign.
8. Add image table that store images for the users and campaign.



Bibliography

Microsoft Copilot. (2024). *Response generated by Microsoft Copilot on Share the Meal Fundraising Campaigns*. OpenAI. Available at: <https://office.com>