

CharityHub

by Team One

Milestone 4

Revised List of Features

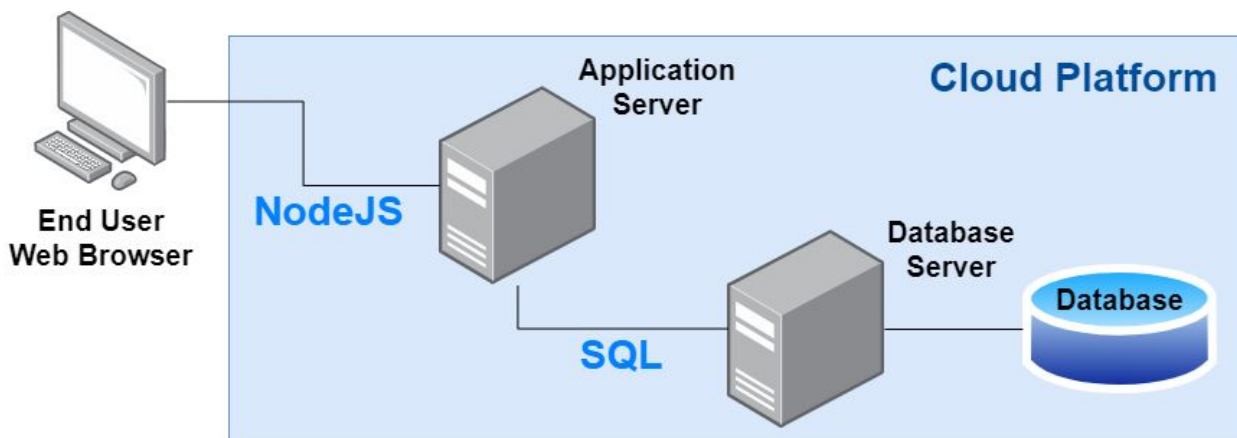
- List of Charities
 - As our homepage, a listing of every charity available on our service, including the name of the charity, a brief description, a photo that represents what they do, and one or more “charity types”.
- Charity Profiles
 - A unique page for each charity that displays their name, logo, description, types, links to their website and social media accounts, upcoming events, and a photo gallery of images that represent the charity. Also includes a link to that charity’s donation page, a link to add them to a user’s recurring donation schedule, as well as a listing of similar charities that the user may be interested in.
- Charity Profile Editor
 - A feature on each charity profile page that allows a site administrator or charity manager to easily edit and save the details of the charity that get displayed to users, including options to add or edit photos in their gallery.
- Charity Descriptions
 - Under a charity’s name, there will be a brief description of what the charity’s mission is, which people they will help, how someone’s money will be used to help their cause, etc.
- Charity Types
 - Keywords that can be assigned to each charity that highlight what kind of charity it is, what they’re about, and who they help. Keywords can be used to organize and sort charities, either as a search term or with a filter on the charity list, allowing users to easily find charities that interest them.

- User Accounts
 - A new user needs to be able to create an account and register
 - An existing user needs to be able to log in to their account
 - A forgetful user needs to be able to recover password
 - Needs an option to sign in or create new account
- User Profiles
 - Users are able to add and modify details of their profile including their name, email address, password, location, time zone, language, and profile picture. Users can also include information about themselves and what types of charities they prefer, so that they can be recommended charities that are most relevant to their interests.
- Payment Methods
 - Users can choose between different payment options, including bank accounts, credit cards, Google/Apple pay, etc. They can also save this information in their account's payment methods to have their information "remembered" for quick future donations as well as recurring donations.
- Make a One Time Donation
 - Users can donate money to a charity for one time. The money will come from their bank account or any other payment method that has been linked with their registered account. Upon successful donation, displays a confirmation page to the user and sends a confirmation email.
- Sign Up for a Recurring Donation Schedule
 - Users can sign up with a specific charity to donate a fixed amount at a recurring time (weekly, monthly, etc) using a new or saved payment method. Users can sign up or cancel at any time. Upon successful donation, displays a confirmation page to the user and sends a confirmation email.
- Recurring Donation Management Page
 - A listing of all the user's recurring donations including options to modify each. Listings include the charity's name, a link to the charity profile, how frequently the user is donating to the charity, the amount being donated, and which payment method is being used. Includes options to modify the schedule type (monthly, yearly, etc), modify the donation amount, switch to a different payment method, put a "hold" on future donations for a set amount of time, or cancel the recurring donation altogether.

- Donation History Page
 - A listing of all donations the user has made, including the name of the charity donated to, the amount donated, the date the donation was made, and the payment method used.
- Summary of Donations
 - A visualization of every donation made, including a running total of money a user has donated. Previous donations can be visualized with a bar or pie chart, can be filtered by a specific time period (previous month, year, or entire history), and can be categorized by charity name or type. Active recurring donations can be visualized in the same way, to allow users to easily see how their donations are being distributed.
- Charity Search
 - Given user search keywords help users find the charity that best matches their interests. Filter results based on how the search terms match a charity's listed types, as well as their name, description, location, etc.
- Charity Recommendations
 - Recommend additional charities to each user based on what charities the user has already donated to, the interests they've listed in their profile, charities based on events/disasters, trending/popular charities, and featured donations.
- Recommendation Newsletters
 - Periodically send an email to users with a listing of recommended charities that are most relevant to their interests, including a list of upcoming events for those charities and any other charity they have previously donated to or shown interest in.
- Charity Calendar
 - Allow charities to add scheduled events and announcements to a calendar, to be stored with their profile. Upcoming events are displayed on each charity's profile page, and announcements can be sent to users that have either subscribed to that charity or donated to them previously. Users that have shown interest in volunteering opportunities can be notified of such events in their area.

- Automatic Donation Schedules
 - Users can choose “automatic” charity selection, where the user would be presented with a few charities that it believes the user will be interested in, including an option to add those charities to their recurring donation schedule.
- Charity Creation
 - Users can create their own charity and once it is verified through the system, it will be a part of the database of charities people can donate to, including automatic creation of a charity profile and homepage listing.
- Search for Suspicious Behavior
 - Include tools for site administrators and charity managers to prohibit malicious users and deceitful charities.
- Volunteering
 - Donate your time as a volunteer to a charity. Could be tied into the Recent Event related charity suggestion system.
- Cloud Crypto Farming
 - Donate your processing power to a good cause for people that can’t afford donations.

Architecture Diagram



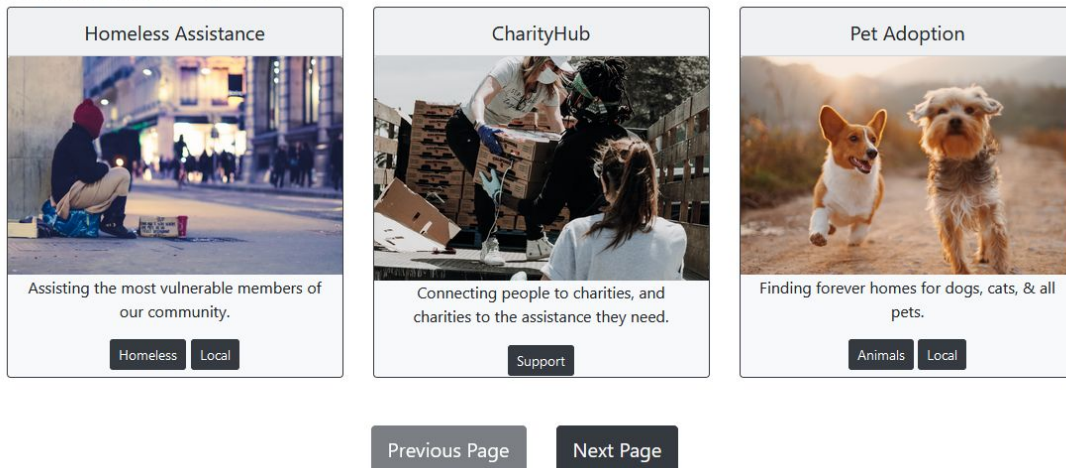
Front End Design

Home Page & Charity List



Charity Card Navigation

Recommended For You



Charity Profile Page



CharityHub

Home About

CharityHub

Register Login

CharityHub

by Team One

Edit Details

Charity Type

Support Local Volunteering

Official Website:

CharityHub

Facebook Twitter Instagram

Contact:

1111 Engineering Drive
Boulder, CO 80309-0428

Description

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Upcoming Events

Milestone 3
Friday October 16th

Milestone 4
Friday October 30th


Release Day
Monday November 30th

Make a One-Time Donation

Schedule a Recurring Donation



Charity Profile Editor



CharityHub

Home About

CharityHub

Register Login

Logo

Browse... No file selected.

Save Changes

Charity Type

Support

Add Another

Add Another

Official Website:

./home.html

Facebook URL

Twitter URL

Instagram URL

Contact:

1111 Engineering Drive
Boulder, CO 80309-0428

Description

Upcoming Events

Milestone 3
Friday October 16th

Milestone 4
Friday October 30th

Release Day
Monday November 30th

Photo Gallery

Browse... No file selected.

Browse... No file selected.

Browse... No file selected.

Providing Help Where It's Needed Most
Connecting people to charities, and charities

Helping Someone's Dream Come True
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Participate in Changing the World
Excepteur sint occaecat cupidatat non

Registration & Sign-in Modals

Password must contain the following:

- A **lowercase** letter
- A **capital (uppercase)** letter
- A **number**
- Minimum **8 characters**
- Password and Confirm Password Match

Donation Page



CharityHub

[Home](#) [About](#) [Register](#) [Login](#)

Set Up a Recurring Donation

Make a One-Time Donation



American Red Cross

American Red Cross

Donation Amount

Donation Frequency

Monthly

Every 3 Months

Every 6 Months

Yearly

Payment Method

Recurring Donation Management



Home About Register Login

Recurring Donation Management

Charity	Amount	Frequency	Payment Method
American Red Cross	\$50.00	Every 3 Months	Visa Card
Disaster Relief	\$5.00	Monthly	Bank Account 1
Prancing Purple Ponies	\$20.00	Monthly	Bank Account 1
Feeding America	<input type="text" value="\$ 15.00"/>	<input type="text" value="Yearly"/>	<input type="text" value="American Express"/>
Rotary Foundation	\$50.00	Every 3 Months	Visa Card
CharityHub	\$5.00	Monthly	American Express
Direct Relief	\$50.00	Every 3 Months	Visa Card

Save

Donation History Page

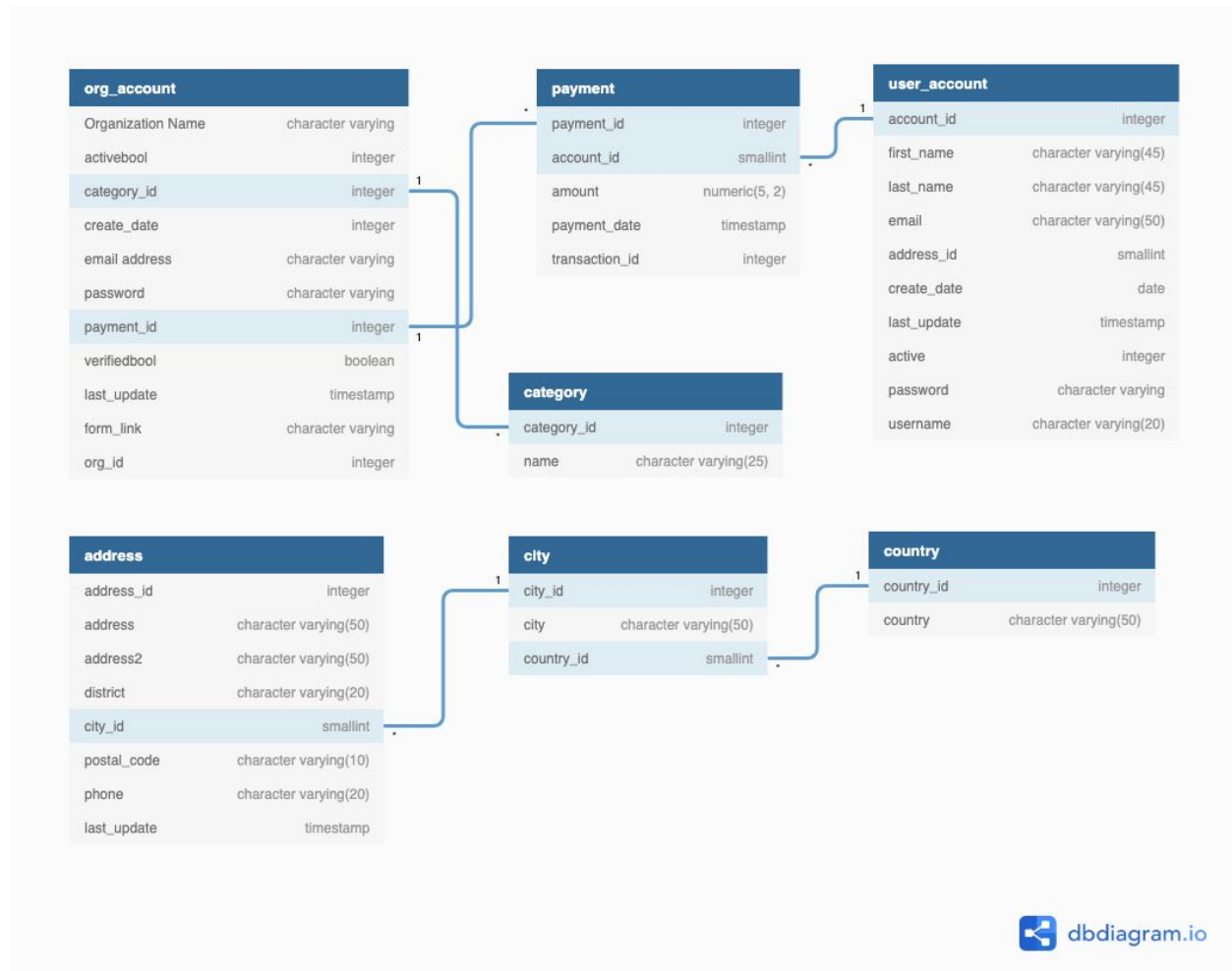


Home About Register Login

History of Donations Made

Charity	Amount	Date	Payment Method
American Red Cross	\$50.00	Sep. 18, 2020	Visa Card
Disaster Relief	\$5.00	Sep. 18, 2020	Bank Account 1
Prancing Purple Ponies	\$20.00	Sep. 26, 2020	Bank Account 1
Feeding America	\$50.00	Oct. 6, 2020	Visa Card
Rotary Foundation	\$5.00	Oct. 14, 2020	Bank Account 2
CharityHub	\$20.00	Oct. 14, 2020	American Express
Direct Relief	\$10.00	Oct. 20, 2020	Bank Account 1
American Red Cross	\$5.00	Oct. 20, 2020	Bank Account 1
CharityHub	\$20.00	Oct. 24, 2020	Bank Account 1
Feeding America	\$50.00	Oct. 25, 2020	Visa Card
Rotary Foundation	\$5.00	Oct. 28, 2020	Bank Account 2

Database Design



Individual Contributions

Philip Knott Additional Frontend Development

Joseph Nam Additional Frontend Development

Micah Cook Additional Backend Development

Jacob Line Additional Frontend Development

Matt Eccles Additional Backend Development

Vinayak Sharma Additional Frontend Development

[Our GitHub Repository](#) | [Our Kanban Board](#)

Challenges

- Challenge 1:
 - Implementing the login functionality with the passport module.
 - Backup/risk mitigation plan
 - Not use the passport module, but use a simpler interface.
- Challenge 2:
 - Using GitHub to collaborate correctly and have the same workflow.
 - Backup/risk mitigation plan
 - Have teammates supervise our github merging
 - Use the github interface to merge
- Challenge 3:
 - Using Postgres to retrieve/add charities
 - Backup/risk mitigation plan
 - Collaborate with TA to double check out work
 - Learn more postgres, and have teammates help with the postgres code
- Challenge 4:
 - Adding a secure payment portal that can handle safe transaction
 - Solution: implement a paypal api or some other api that can outsource these transactions for us so we don't need to store card number/ info .