

System Design Document
Team name: Admin

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CRC Cards

BackEnd:

Class Name: User	
Parent Class: None Subclasses: Youth, Donor, Merchant	
Responsibilities: <ul style="list-style-type: none">- Store username- Store password- Store role	Collaborators:

Class Name: Donor	
Parent Class: User Subclasses: None	
Responsibilities: <ul style="list-style-type: none">- Store name- Store organisation- Store display name- Store profile picture link- Store DOB	Collaborators:

Class Name: Merchant	
Parent Class: User Subclasses: None	
Responsibilities: <ul style="list-style-type: none">- Store name- Store profile picture link- Store DOB- Store name of store- Store location of store	Collaborators:

Class Name: Youth	
Parent Class: User Subclasses: None	

Responsibilities: <ul style="list-style-type: none"> - Store name - Store profile picture link - Store DOB - Store story - Store saving_plan - Store credit_balance 	Collaborators:
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Class Name: Donation	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none"> - Store order_id - Store donor - Store youth - Store amount - Store date 	Collaborators:

Class Name: PendingDonation	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none"> - Store order_id - Store donor - Store youth - Store amount 	Collaborators:

Class Name: Product	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none"> - Store product name - Store product description - Store price - Store owner - Store product picture 	Collaborators:

Frontend:

Component Name: Layout	
Parent Component: Every Page Component (HomePage, LoginPage, etc.) Child Component: Header	
Responsibilities: <ul style="list-style-type: none">- Show navigation	Collaborators:

Component Name: HomePage	
Parent Component: None Child Component: YouthCard, Layout	
Responsibilities: <ul style="list-style-type: none">- Show youths- Serve as base path	Collaborators:

Component Name: LoginPage	
Parent Component: None Child Component: TextField, Layout, Button	
Responsibilities: <ul style="list-style-type: none">- Allow users to login	Collaborators:

Component Name: SignupPage	
Parent Component: None Child Component: TextField, Layout, Button, Avatar, Tabs	
Responsibilities: <ul style="list-style-type: none">- Allow user to swap between different user types- Allow user to sign up for clicked account type	Collaborators:

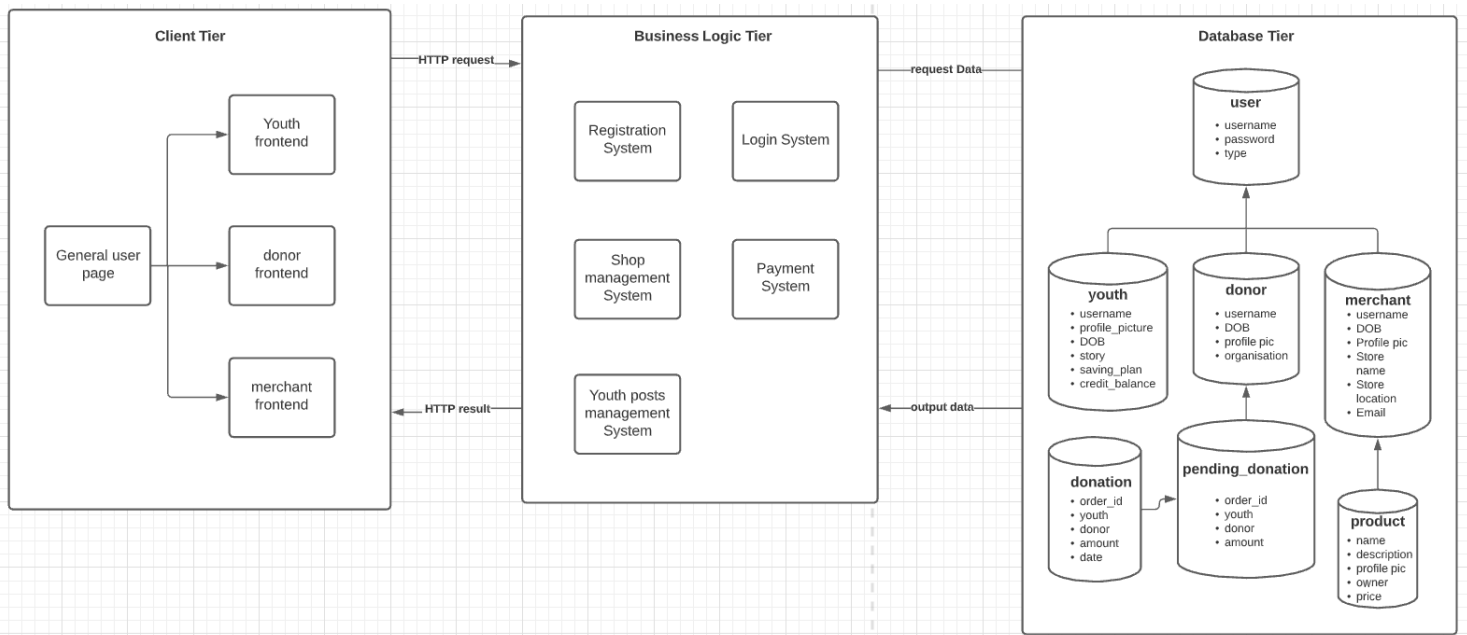
Component Name: ProfilePage	
Parent Component: None Child Component: MerchantProfile, DonorProfile, YouthProfile	
Responsibilities: - Displays the profile page where users can edit settings specific to their account (youth edit profile, merchant edit products, etc.)	Collaborators:

Component Name: StorePage	
Parent Component: None Child Component: ProductCard, Button	
Responsibilities: - Displays the profile page where users can edit settings specific to their account (youth edit profile, merchant edit products, etc.)	Collaborators:

Component Name: UploadPage	
Parent Component: None Child Component: TextField, Button	
Responsibilities: - Displays fields to upload a new product for merchant	Collaborators:

Component Name: UserPage	
Parent Component: None Child Component: DonationCard, Button, Avatar, Chip	
Responsibilities: - Display all details regarding a single youth	Collaborators:

System Architecture Diagram



Link to our system architecture: <https://www.linuxjournal.com/article/3508>