

Little Voices



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BUSINESS DESCRIPTION

Little Voices is an organization dedicated to help orphan kids from Silicon Valley area to find a proper home. Their mission is to cooperate and collaborate with local authorities and members of the community to offer a chance at life and a new start to orphans and other endangered children. They aim to give them a first-class education, access to necessary health services and, above all, the opportunity to grow up healthy and happy in a safe, caring, warm and familial environment.

We are designing an all-in-one information system that will allow 'Little Voices' to easily manage their kids, employees, funding, donations as well as adoption procedures. The system is internal to the companies and only employees of 'Little Voices' can access it. Every new employee can create a new account and track every kid to see if they have been adopted or available for adoption. The system can also track every employee as they go through their onboarding process, all the career facilities like dates of hosting webinars, career workshops, educational aid and counseling sessions. The system will also update itself as a kid(s) going through the adoption process which includes gathering the data, background check on prospective parents and dealing with the legal department in order to make sure the paperwork is correct and legit.

BUSINESS NEED

Little Voice's online tracking system is designed to help the organization maintain efficient tracking of the kids who are orphans and/or endangered. The system provides the kids with proper guidance for their well-being by fulfilling their educational and health related needs. It will ease the process of tracking the sponsors as well as secure the funds that are being raised for the kids. The system also does a great job to track all the employees within the organization in their hiring, onboarding and maintenance process.

BUSINESS REQUIREMENTS

Using this new online tracking system, the organization will help contact, accept and screen donations as well as funds from donors and sponsors and eventually help orphans to live a happy and normal life. The specific functionalities that the system has are listed below:

- Screen and collect money and donations from sponsors and donators.
- Organizing career/social events and collect money for kids' educational needs.
- Tracking information about incoming, adopted and available kids.
- Onboard new caretakers and employees by providing features like background checks, account creation etc.
- Organize adoption events in order to help kids get adopted. In the process, also perform adopters' background check and connect them to meet with kids before adoption.

BUSINESS VALUE

This information system aims to add the following business values.

- **Cost-Effective**: It is less expensive to pay once and build this system that can handle all the fund and sponsorship coming to the organization. With this system in place, our goal is to increase sponsorship fund by 30%.
- **Efficiency**: The system will increase kids' adoption rate by at least 5% per year as well as increase operational efficiency by 40%.
- Convenience and Ease of Use: The system is very convenient and easy to use. It conveniently tracks all the employees, kids, their status and store enough data on the adoption process to run analytics.
- Reliability: The system has three core values: Flexibility, Reliability and Ease of reporting. Manual processes are more prone to errors. Automating the steps takes out this vulnerability and makes the process more reliable.

SYSTEM DESCRIPTION

Log In

The system allows all current employees (including Managers, Caretakers, full-time, part-time and volunteers) to login to the system using their employee ID.

- Once an employee accepts the offer to join the organization, the recruiter adds all the relevant details of the employee into the system.
- The employee then receives an email from the recruiter asking to create a password which will be used as his login password.
- Employee follows the link mentioned in the email and creates a password by following all the password rules.
- In the event where the employee forgets his current password, he can also request a reset for a forgotten password.

• Managing incoming Donations

- When donation arrives at the donation department from a sponsor, the employee enters all the details regarding the sponsor and his donation into the system. The details include Sponsor ID, Sponsor Name, Organization and What kind of donations he has made. The donations can be in term of money as well as in terms of materials. (For example, books, clothes, medicines etc.)
- Employee then segregates all the donated items based on their categories and also checks for their quality.
- If the donated items are in good condition, they get added to the inventory whereas all the discarded items get reflected into the record. The system keeps track of how many items (and of which categories) have been discarded.
- And Finally, the employee sends out a 'Thank you' note to all the sponsors for their kind gestures.

• Budgeting and Managing Funds for all the Departments

- The organization has many departments.
 - General Management
 - Donation
 - Adoption
 - Health
 - Education
 - Food
 - Housing

Organization Manager controls the flow of funds throughout the organization. He keeps tracks of the sponsored money and funds information.

- Organization Manager can see and access all the fund information by accessing the sponsor details.
- o If a particular department needs money for their own activities, the department head needs to fill out a form stating their requirement details.
- Upon submission, the form triggers an automated email to the organization
 Manager asking for a review.
- The Organization Manager will then look up the details and approve/reject the request accordingly. He will also set up a maximum limit of the amount that can be spent by the department for that particular activity.

Planning and Organizing Events for Kids

- Little Voices organizes many events throughout the year for everyone to attend.
 Employees, Kids, Foster Parents everyone is eligible to attend the events.
- The employee at the Education Department select the Create Event Tab and enter the 'Event Title'.

- If the event title is not a duplicate one, the system creates a unique Event ID as well as present a form to the employee to fill up more details about the event. These details are, Event Description, Eligibility Requirements, Start Date, Event Capacity and Status.
- Once all the event details have been successfully filled, the system sends out an event posting alert to every department of the organization.
- Once the Kids find an event interesting, their respective caretakers are able to enroll them for the event using their ID (Kid ID) number.

Adding or Managing Employees

- Like any other Organization, Little voices have many kinds of employees working for the organization.
 - General Management Employees -> Caretakers, Recruiters
 - Donation Dept. Employees
 - Adoption Dept. Employees
 - Health Dept. Employees -> Doctors
 - Education Dept. Employees -> Event Managers
 - Food Dept. Employees
 - Housing Dept. Employees
- Recruiters are authorized to hire and onboard new employees. Onboarding process begins once the employee receives a clear background check result.
- Recruiter can enter all the relevant details of a new employee into the system.
 These details are Name, Age, Mailing Address, Department ID, Phone Number,
 Previous work Experience, Employment Type and Salary.
- Once all the details have been successfully entered, the system generates a unique employee id for each employee.
- The recruiter then assigns 5 kids to each employee for better supervision and personal care.
- The system also generates bi-weekly feedback form for this employee to be shared with other staff in the organization.
- Recruiter can also come back at a later time in case any details needs to be updated.

Adding or Managing Kids

- Little Voices' mission is to provide better management by taking good care of kids.
- Recruiters are authorized to add or edit a kid's details in the system. They can
 enter all relevant details of a new kid like name, age, sex, race, disability issues (if
 any), educational background, past history and status just by clicking the 'Add
 New kid' tab.
- System generates a unique Kid ID upon successful submission of all the details.
- Every kid will be assigned a personal caretaker for better supervision.

 Recruiter can also come back at a later time in case any details needs to be updated.

Matching the Kids with Prospective parents: Adoption/Fostering

- Prospective parents can go to Little Voices Website and fill out a form stating their name, age, contact details. They can also provide their preference details describing what kind of kid they are looking for.
- Once the system gets the required parameters from the parent's description, it
 matches those with the kids details in the system. They system displays a list of
 kids that match the parameters provided by the prospective parents.
- The parents then can schedule appointment with those kids based on the organization calendar.
- The organization manager then confirms the appointment and the system also sends out automated emails to notify the same.
- After completion of the parent-kid meeting, the system again sends out feedback forms to both the parents and the caretakers (of those kids) in order to gather feedback.
- Once there is a positive feedback match from both the Kid and the parents, the system will walk the parents through the legal procedure of adoption and eventually completes the process.
- o The Organization manager changes the Kid's status to Adopted or Fostered.
- However, in the case when there is no match (from either side), the system will set up a second appointment for the parent with the kid next in their preferred list.

FUNCTIONAL REQUIREMENTS

1. Screen Donations and Sponsored Money

- 1.1. The system will allow the employee to record the details about the sponsors.
- 1.2. The system will accept and record the sponsored money from governments, individuals, companies and nonprofit organizations.
- 1.3. The system can record funds in details as well as can track how it will be spent on kids.
- 1.4. The respective head of the department can utilize the money after the approval from Organization managers. And the system will report to manager if it finds that the money is not used properly.
- 1.5. The system will screen and record material donations such as books, clothes, food, medicines and so on. If the donation is not suitable for kids, like the books or clothes are clearly not suitable for kids, system will remind managers to return the donations to donors and kindly remind them with emails about what will be useful for kids.

2. Plan and Organize Event

- 2.1. The system will hold career workshops for kids, helping them build right career ambition and work in that direction. Professional experts in different fields will be invited to the organization and present career knowledge to kids in interesting and attracting ways.
- 2.2. The system will offer consulting and aptitude tests. Kids will have to go through psychological tests regularly and the system will arrange doctors for them if something is wrong.
- 2.3. The system will hold webinars with kid's experts every three months, and experts will share us experience and opinions about how we can improve our organization and take care of kids better.
- 2.4. The system will offer education aid for kids, helping them with educational resources. Kids can choose online study resources or make appointments with caring teachers in the organization to study better and more efficient.

3. Add/Manage Employees

- 3.1. The system will contact an external background check agency to perform background checks on all prospective employees. Only upon passing those checks successfully, they will be allowed to join the organization.
- 3.2. The system should then present the user an option to add new employee details into the system. The employee will only be added in the system when all the information entered has been verified.
- 3.3. The system will assign a certain number of kids to each employee. The kids can be chosen based on several parameters like their age group, amount of care needed and/or any special disability issue.
- 3.4. The system will periodically generate Employee Feedback form which will be sent to all the organization staff for a peer review as well as to all the foster parents for their satisfaction rating.

4. Add/Manage kids

- 4.1. The system should present the user an option to add new kid details into the system.
- 4.2. The system will keep a track of adopted kids, foster kids, existing kids.
- 4.3. The system will allow employee to enter the inspection details of the kids on a biweekly basis.

5. Fostering Facilities

- 5.1. The system will ask the prospective foster parent to upload the eligibility letter from legal authority that there are no criminal records present on their name.
- 5.2. The system will allow the eligible foster parents to enter some information about the kind of kids they are looking for. The characteristics of the kids could be

- related to the age group, race/sex preference, accommodation to any disability issues etc.
- 5.3. Once all the preference data have been gathered, the system will then match the data with the available kids in the system. The system will generate the list of kids' names who match the criteria given by the foster parents.
- 5.4. The system will also handle the scheduling of appointments between the kids and the foster parents.
- 5.5. Once the parent-kid selection is done, the system will generate paperwork to be handled by the legal department of the organization in order to finalize the foster process.

6. Adoption Facilities

- 6.1. The system will ask the prospective parents to upload the eligibility letter from legal authority that there are no criminal records on their name.
- 6.2. The system will generate a form for each parent to enter some information about the kind of kids they are looking for. Few such information could be the age group, race/ sex preference, accommodation to any disability issue etc.
- 6.3. Once all the preference data have been gathered, the system will then match those data with the information available for all the kids in the system. It will then generate a list of kids' names who match the description given by their prospective parents.
- 6.4. The system will also handle the scheduling of appointments between the kids and the parents.
- 6.5. Once the parent-kid selection is done, the system will generate paperwork to be handled by the legal department of the organization in order to finalize the adoption process.

7. Housing & Food Facilities

- 7.1. The system will keep a track of allocation of kids per rooms and bathrooms.
- 7.2. The system will keep track of the room requirements
- 7.3. The system will keep track of weekly inspection report on cleaning of the rooms and bathrooms.
- 7.4. The system will store the weekly inspection and quality check details on food.
- 7.5. The system will allow the catering in-charge to decide the menu of the food.

Information Requirements

- 1. The system should always hold the updated information, be it changes in employee or Kid's status or adoption application status.
- 2. The system should store all the information related to user according to the hierarchy of user, i.e. regular full-time employee, volunteer, director etc.
- 3. The system should provide suggestions for frequently asked feedback questions.

4. The system should maintain data for analytical purpose. For example, number of applications coming in for adoption, number of applications getting approved, condition of the kids' post-adoption etc.

Non-Functional Requirements

1. Operational

- 1.1. The system should run on any web browser.
- 1.2. User should be able to navigate through the system easily. i.e. User-friendly.
- 1.3. The data throughout the system should be consistent while system communicates with the user.
- 1.4. System must be able to communicate with all the appropriate data stores from different business modules.
- 1.5. The system should support hardware and software up-gradation without any unnecessary modifications.

2. Security

- 2.1. System should keep all Kids, Prospective Parents and Adoption application related data confidential.
- 2.2. System should enforce valid authentication and authorization.
- 2.3. The system should be accessible only to the registered users. Strong password policies should be enforced.
- 2.4. System should include all available safeguards from viruses, worms, trojan horses etc.

3. Performance

- 3.1. The system should be active 24/7.
- 3.2. The system should not have a downtime of more than 1 hour.
- 3.3. All the data transaction must be carried out accurately.
- 3.4. Real-time data should be available.
- 3.5. The response time should be very less.
- 3.6. The navigating speed from one page to another page should be seamless.

4. Cultural/Political

- 4.1. The system shall support English language only.
- 4.2. The system shall not display any religious symbols.
- 4.3. The system should run the antivirus recommended by the Organization.
- 4.4. The adoption process must be ethical and unbiased. No bias/favor/preference should be given on any kids/prospective parents/employees.

USE CASES

Use Case Name: Manag	e incoming donations	ID : UC_01	Priority: High
Brief Description: This w	vill describe how employees wi	ll manage the donat	ions that are coming from the sponsors
Actor: Employee from D	Oonation Department		
	e donations are received from o	donors.	
Type ☐ <u>External</u> ☐ 1	emporai		
Preconditions:	izad ta haya accass ta managa	donations and snow	sarad manay
	ized to have access to manage e. alwavs online and can be acc	-	mployees from different machines.
Normal Course:			
	partment, employee enters the	snonsor ID and	Information for Steps
system returns the		sponsor ib and	Sponsor ID
Sponsor Details:	sponsor details.		Sponsor Details
a) Sponsor ID			Sponsor Betans
b) Sponsor Name			
c) Organization			
d) Add donation d	etails		
,	es the items based on categorie	s from the	
	ns each item for quality.	.s morn the	
	d condition, then employee add	ds the items to the	
	good condition, then he discard		Add Donation details
•	by clicking on the Add donatio		
a) Number of item		ir actails sacir as	
b) Category			
c) Discarded item	count		Cooper Free il ID
	s a 'Thank you!' note with all th	ne donation details	Sponsor Email ID
	onsors via their email ID.		Thank you email
Postconditions:			
	with all the information.		
	be moved to inventory locatio	n.	
Exceptions:	. 22orea to inventory locatio	•••	
=	appropriate for the kids, then e	mplovee will return	the stuff.
	vrong Sponsor ID, then system	•	
Summary:	<u> </u>	. ,	
Inputs	Source	Outputs	Destination
Sponsor ID	Employee	Sponsor Details	Employee
Sponsor Details	Sponsors Datastore	Add Donation [
Add Donation Details	Employee		Datastore
Sponsor Email ID	Sponsors Datastore	Thank you ema	il Sponsor
Thank you email	Employee		

ID: UC 02 **Use Case Name:** Manage the budgeting for each **Priority:** High department. Brief Description: This will describe how the manager will take care of the funds and sponsored money by allocating budget to each department. Actor: Organization Manager, Manager at each department Trigger: Whenever there are some money/funds that are received from donors. Type ☐ External ☐ Temporal **Preconditions:** 1. Only managers are authorized to have access to manage donations and sponsored money. 2. The system is available, always online and can be accessed by multiple employees from different machines. 3. The information of sponsored money is confidential and secured within the system. **Normal Course:** Information for Steps 1. Each department will have their own manager who will be responsible for spending the money effectively. Manager of each **Budget Request** department enters the Budget Request. Budget request details Approval status: Pending 1.1. Required fund 1.2. Reason 1.3. Ask for Approval **Email for Approval** The system stores the Budget request details in the datastore. Sponsor ID 2. This triggers an automated email to the organization manager. 3. The Organization Manager tracks the sponsored money and funds Sponsored money Info information by entering their sponsor ID in the system. 4. The organization manager receives the money and fund ◆ Approve Request or Reject Request information from the Sponsor datastore through the system. 5. The Organization Manager will then approve/reject the request ▶ Approval status: Approved/Rejected based on the validity. The manager of each department can utilize the amount only up to the approved amount set by the organization manager as withdraw limit. Postconditions: The funds are transferred securely to each department account. E1: If manager enters invalid Sponsor ID then system will show the message "Invalid Sponsor ID". Summary: Outputs Destination Inputs Source Approval status Department Manager **Budget Request** Department Manager Sponsored money Info Organization Manager Sponsor ID Organization Manager Sponsored money Info **Sponsors Datastore** Email for Approval Organization Manager **Budget Request Sponsors Datastores** Approval status **Donations & Funds** Approve/ Reject Request Organization Manager

Use Case Name: Plan and Organizing events for kids **ID:** UC-03 Priority: High Brief Description: This use case will describe how the system will take care of organizing and enrolling process of the events for kids. Actor: Employees at Education Department, Caretakers at Organization Trigger: Whenever there is a new event planned. And the kids need to register for events that are already posted online. Type ☐ External ☐ Temporal Preconditions: The employees at the Events Department should have the authorization to add or update an event. The event posting can be seen online. 2. **Normal Course: Information for Steps** 1. The employee selects 'Create Event' with an event title and system **Event Title** returns a new Event ID **Event ID** 2. The system presents a blank event post form to fill up the event Blank Form for Event Details details. 3. Employee enters all the relevant information about the event. **Event Details** a. Description b. Eligibility Requirement c. Start Date d. Status e. Venue **Event Posting Alert** 4. The system sends Event posting alert to all caretakers of the kids via system. Alternative Course(s): The event has already been created and the kids want to register for it.

Post conditions:

1. All the Datastores are up to date.

particular event.

2. The events are successfully created.

and get all the available details.

Exceptions:

E1: If the user tries to create a duplicate event, the system displays 'Event Already exists'

1. Kids/caretakers are able to looks at the public event posting page

2. Caretakers will add the kid's names who are interested in a

- E2: If an employee outside the Events department tries to create an event, the system displays 'You do not have access to create an event'
- E3: If the event capacity is full, the system displays a message saying 'Event Registration is Full'
- E4: If the event is cancelled, the system deletes the data related to the event and displays 'Event Cancelled'.

	· · · · · · · · · · · · · · · · · · ·		
Summary:			
Inputs	Source	Outputs	Destination
Event Title	Employee	Event ID	Employee
Event Details	Employee	Blank Form for Event	
Register Kid ID	Caretaker	Details	Employee
Event Details	Events Datastore	Event Details	Events Datastore
Registration details	Events Datastore	Event Posting Alert	Events Datastore
		Registration details	Employee, Events DS

Event Details

Register Kid ID Registration details

Use Case Name: Add/Manage Employees **ID:** UC-04 Priority: High Brief Description: This use case allows the Organization Recruiter to maintain employee information. This includes adding and changing employee information from the system **Actor: Recruiter** Trigger: When a new employee joins or the manager needs to manage an existing employee Type ☐ External ☐ Temporal **Preconditions:** 1. The Organization Recruiter is authorized to add a new employee. 2. The Employee datastore should already have the employee's background check details. **Normal Course: Information for Steps** 1. The recruiter selects 'Add Employee'. Add Employee 2. The system displays a blank employee input form. **Employee Input Form** 3. The recruiter then enters the employees' information. This includes: a. Name b. Age c. Mailing Address d. Phone number **Employee Details** e. Department ID for which he has been hired f. Employment Type (Full-time, Part-time or Volunteer) Salary h. Previous Work Experience 4. The recruiter then selects 'Submit' after all the information has been entered. Submit 5. The system generates and assigns a unique employee id number to the employee. **Employee ID** 6. And recruiter sends the email to the employee with Employee Recruiter Email ID and a link to set their password. 7. The recruiter then assigns 5 kids to be taken care of by this **Unassigned Kid IDs** particular employee (Caretaker) by retrieving unassigned Kid IDs from datastore. Assigned Kid IDs 8. The system links the Employee ID to 5 Kid IDs and stores the **Employee Details** details in the respective databases. Alternative Course(s): Employee already exists in the system. The manager wants to update the employee information The recruiter selects 'Update Employee' Update Employee 1. 2. The system displays a form asking for an employee id. **Employee ID** 3. The recruiter enters employee id and the system retrieves the Employee's Change Details employee details. 4. The recruiter makes the desired changes to the employee Submit information and hits 'Submit' again. Updated Employee Details 5. The system updates the employee record. Status: Employee Details Updated Post conditions: 1. All the datastores are up to date. 2. The new employee has been successfully added to the system. 3. The existing employee details has been successfully updated in the system.

Exceptions:

- E1: If the background check of the prospective employee is not positive.
- E2: If the Employee is not found with the name specified.
- E3: Somebody outside the Accounting Department is trying to access the employee record. In that case, an error message will pop up saying 'You do not have Access'.

Summary:			
Inputs	Source	Outputs	Destination
Add Employee	Recruiter	Employee Input Form	Employees Datastore
Employee Details	Recruiter	Employee ID	Employees Datastore
Update Employee	Recruiter	Recruiter Email	Employees
Employee's Change Details	Recruiter	Employee Details	Employees Datastore
Employee ID	Recruiter	Assigned Kid IDs	Kids Datastore
Search unassigned Kid IDs	Recruiter	Status: Employee Details	Recruiter
Unassigned Kid IDs	Kids Datastore	Updated	
		Updated Employee	Employees Datastore
		Details	Zimpleyees Batastore

	se Name: Add/Manage Kids	ID: UC-05	Priority: High
Brief D	Description: This use case allows the Recruiter to ma	I aintain Kids information	 . This includes adding, or
ıpdatiı	ng information of the kids.		
Actor:	Recruiter		
rigger	r: When a new kid joins the organization, or needs t	o manage an existing ki	d details
Гуре	□ External □ Temporal		
	nditions: recruiter is authorized to add a new kid or edit a kid	d's details	
L. THE	recruiter is authorized to add a new kid of edit a kid	a s details.	
Norma	al Course:		Information for Steps
1.	Recruiter selects 'Add Kid'.	•	Add Kid
2.	System displays a blank kids details input form.	-	Kids Input Form
3.	Recruiter then enters the kid's information. This	includes:	
	a. Name		
	b. Age		
	c. Sex		
	d. Any Dissability Issue		
	•		Vide Dotaile
	e. Past Known History	•	Kids Details
	e. Past Known History f. Educational Background	•	Kids Details
	e. Past Known Historyf. Educational Backgroundg. Medical Records	•	Kids Details
	e. Past Known Historyf. Educational Backgroundg. Medical Recordsh. Kids present Status: Available	•	Kids Details Submit
4.	e. Past Known History f. Educational Background g. Medical Records h. Kids present Status: Available Recruiter then again selects 'Submit' after all the	information	
	e. Past Known History f. Educational Background g. Medical Records h. Kids present Status: Available Recruiter then again selects 'Submit' after all the has been entered.	-	
5.	e. Past Known History f. Educational Background g. Medical Records h. Kids present Status: Available Recruiter then again selects 'Submit' after all the has been entered. System generates and assigns a unique kid id to t	he new kid.	Submit
	e. Past Known History f. Educational Background g. Medical Records h. Kids present Status: Available Recruiter then again selects 'Submit' after all the has been entered. System generates and assigns a unique kid id to t	the new kid. Details form for	Submit Kid ID
5.	e. Past Known History f. Educational Background g. Medical Records h. Kids present Status: Available Recruiter then again selects 'Submit' after all the has been entered. System generates and assigns a unique kid id to t	the new kid. Details form for	Submit

Alternative Course(s): Kid already exists in the system. The manager wants to update the kid's status (from in-shelter to adopted/fostered)

- 1. Recruiter selects 'Update Kid'
- 2. The system displays a form asking for a Kid's id.
- **3.** Recruiter enters Kid's id and the system retrieves the kid's details.
- **4.** Recruiter makes the desired changes to the Kid's information and hits 'Submit' again.
- **5.** The system updates the Kid's record.

Update Kid Kid ID Kid's Change Details Submit Status: Kid's Details Updated

Post conditions:

- 1. All the datastores are up to date.
- 2. New kids have been successfully added to the system.
- 3. An existing kid's details has been successfully updated in the system.

Exceptions:

- E1: If the Kid is not found with the name specified.
- E2: Somebody outside the Organization Management Department is trying to access the kids records. In that case, an error message will pop up saying 'You do not have the required Access'.

Summary:				
Inputs	Source	Outputs	Destination	
Add New Kid	Recruiter	Kid's Details Input Form	Recruiter	
Kid's Details	Recruiter, Kids DS	Kid ID	Recruiter	
Kid's name	Recruiter	Inspection Details Form	Caretaker	
Update Kid	Recruiter	Kids Details	Kids Datastore	
Submit	Recruiter	Updated Kid's Details	Kids Datastore	
		Status: Kids Details	Recruiter	
		Updated		

Use Cas	Use Case Name: Matching of the kid-parent. ID: UC-06 Priority: High			Priority: High	
_	Brief Description: This will describe how the system will take care of the matching of the kid-parent based on the preference.				
Actor: C	Organizat	tion Manager, Caretaker & Parent			
00		ne parent is interested in adoption or fostering al ☐ Temporal			
Precond	litions:				
1.	The pro	spective parent should be eligible to adopt.			
2.	The Pro	spective Parents datastore should have the re	spective parent's b	ackground check details.	
Normal	Course:			Information for Steps	
1.	The par	ent enters their contact information in the for	m.		
	Contact	: information includes:	←	Contact Info	
	a)	Parent Name			
	b)	Phone Number			
	c) Age				
	d) Email ID				
	e)	Address			
2.	The par	ent enters the preference details of the kid in	the		

system. Preference Details includes Add Preference details a. Age b. Sex c. Race d. Disability List of kids 3. The system displays the list of kids matching the preference Schedule an appointment 4. The parent will schedule the appointment according to the Appointment details schedule mentioned by the organization. The appointment details will be sent to Organization manager. Appointment confirmation 5. The manager will confirm the appointment and system will Automated confirmation email send the automated email to the parent for confirmation. 6. Once the meeting is done, the system will send the automated Email with Feedback link email to Parent and Caretaker for their feedback. 7. The parent will fill out the feedback form. (which kid they liked Parent's Feedback based on the preferred list of kids.) 8. Once the meeting is done, the caretaker of that kid will give the Kids Feedback feedback from the kid if they liked the parent or not. 9. If both kid and parent have positive reply then the match is Match status: Successful successful. It gives the Match status to Parent and Caretaker and Organization manager. Submit legal documents 10. The parent will go through the legal adoption procedure and will submit the related documents in the system. Kid status: Adopted/Fostered 11. Once all the documents are validated by the manager, the kid is actually announced as 'Adopted' or 'Fostered'. The Organization Manager will change the status of kid as 'Adopted' or 'Fostered'. Alternative Course(s): If the feedback from kid is not positive, then branch at 7th step in normal course If kid gives negative feedback, then system will send the email Match status: Unsuccessful to parent and ask to choose different kid. If parent wants to adopt/foster another kid, then they will send 2. ← Email Request for second match the email to the manager. Once approved, the caretaker of another kid will give the 3. feedback from the kid. Again, branch at step 8 to complete the adoption. Post conditions: All the datastores are up to date. The kid should be officially sent to the parent's house.

Exceptions:

- E1: If the background check of the prospective parent is not positive.
- E2: If the appointment is not approved by the manager then parent will have to reschedule the appointment.
- E3: If there is no positive feedback match at all, then system will send the sorry letter to the parent.

Summary:

Inputs	Source	Outputs	Destination
Contact Info	Parents	Preference Details	Kids Datastore
Add Preference Details	Parents	List of Kids	Parents
Matching Kid IDs	Kids Datastore	Automated confirmation	Parents
Schedule an appointment	Parents	email	
Appointment confirmation	Organization	Email with a link for	Parent, Caretaker
	Manager	Feedback	
Parent's Feedback	Parents	Parent's Feedback details	Adoption datastore
Kid's Feedback	Caretaker	Kid's Feedback details	Adoption datastore
Caretaker Email ID	Employee Datastore	Match Status	Parents, caretaker,
Org Manager Email ID	Employee Datastore	Email Request for 2 nd match	Organization Manager
Parent Email ID	Adoption	Kid's details	Updated Kids Datastore
Kid status:	Organization		
Adopted/Fostered	Manager		
Email req for 2 nd match	Parents		
Submit legal documents	Parents		

Use	e Case Name: Log-in	D : UC_07	Priority: High
	ef Description: This will describe how the managers; caretal	kers and a	all employees will be able to log in to
	or: Managers, Caretakers, All Employees		
ACI	or. Managers, Caretakers, All Employees		
Tri	gger: Whenever the employees want to access the system		
Typ	oe 🔲 <u>External</u> 🛘 Temporal		
Pre	conditions:		
1.	The Managers, Caretakers and employees should have a c	lear back	ground check and an official joining
	letter to join the organization.		
2.	Recruiter has already added the employee details to the sy	ystem.	
No	rmal Course:		Information for Steps
1.	Employee receives an email from the recruiter asking to cr password.	reate a	Recruiter Email
2.	Employee clicks on the link given in the email to set the		Login Page
	password. The system will navigate to the login page.		
3.	Employee enters their Employee ID to the system.		Employee ID
4.	Employee sets new password in the system. The system w	/ill	Password
	store the login information entered by the employee in the	e	
	datastore.		← Email ID
5.	Employee can also request a reset for a forgotten passwor	rd and	Password Reset Link
	have the system send a reset link to their entered email ID).	
Pos	st conditions:		
1.	Everyone will be able to log into the system successfully.		

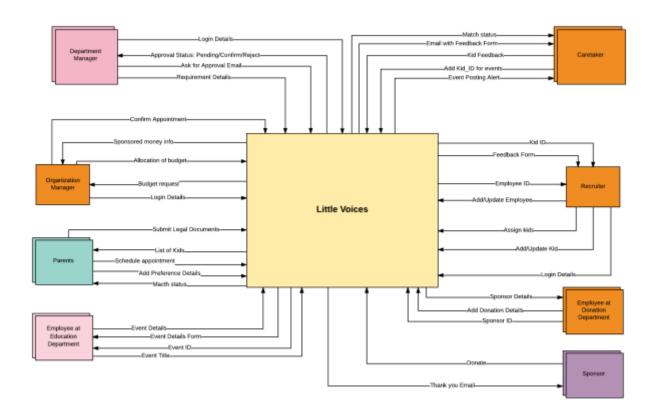
- 2. All employees are authenticated through their Employee ID.

Exceptions:

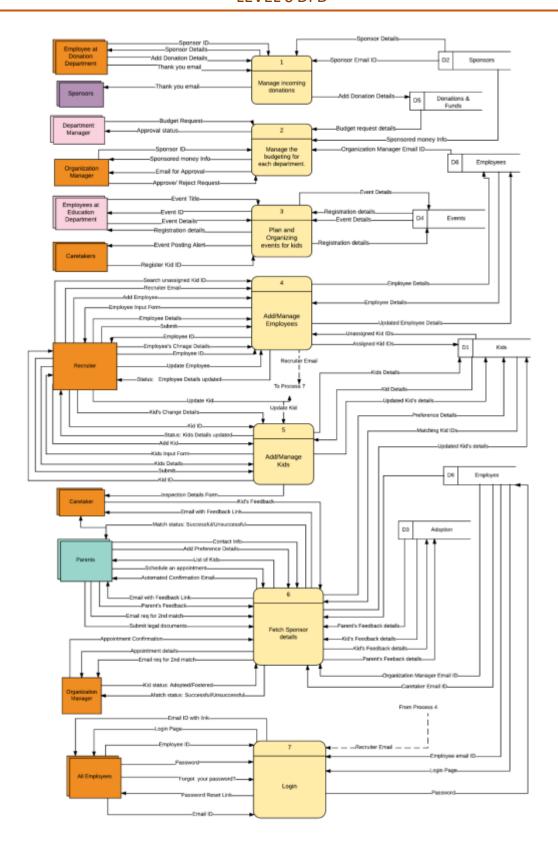
- E1: Details entered by employee is incorrect. The system displays 'Invalid Employee ID'.
- E2: The password set does not match the criteria provided for setting password. The system displays 'Invalid Password'.
- E3: An existing employee is trying to access the 'Set Password' link from the recruiter's email. The system displays 'You are already in the system.'

Summary:			
Inputs	Source	Outputs	Destination
Recruiter Email	Recruiter	Recruiter Email	Employees
Employee ID	Employees	Password Reset Link	Employees
Password	Employees		
Employee Email ID	Employees Datastore		

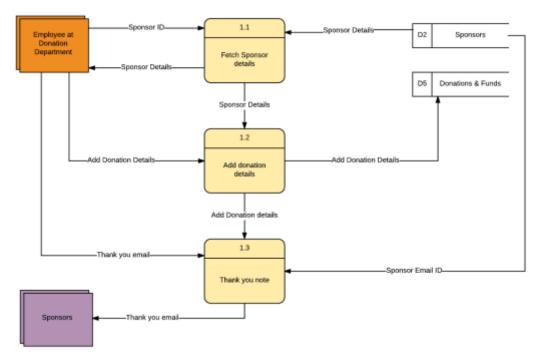
CONTEXT DIAGRAM



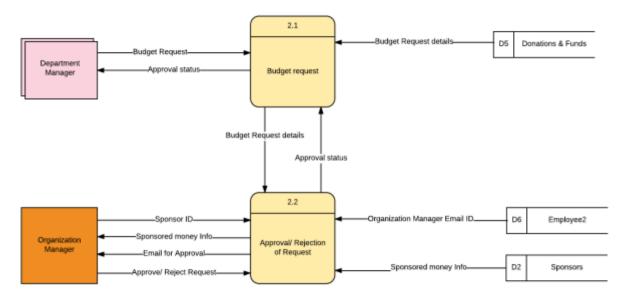
LEVEL 0 DFD



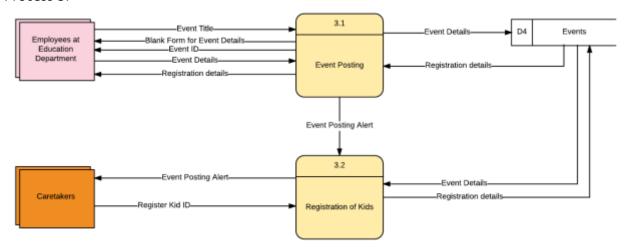
Process 1:



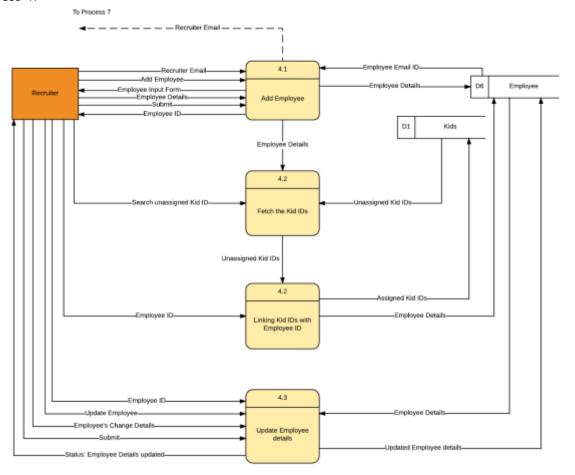
Process 2:



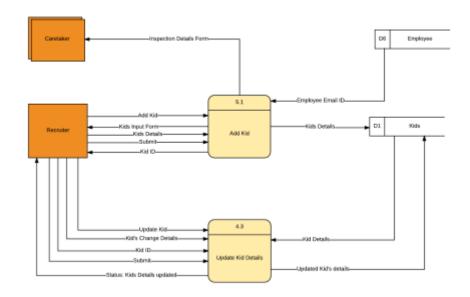
Process 3:



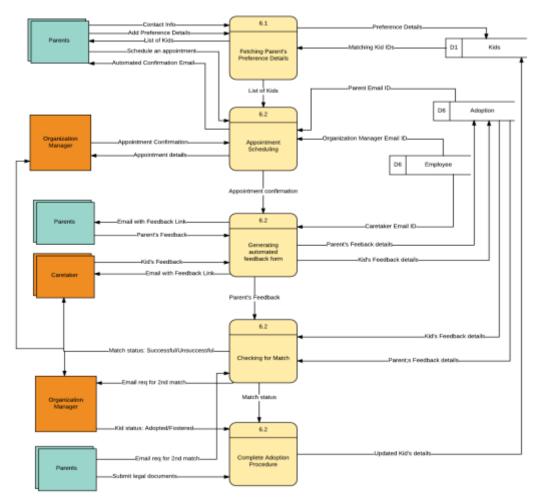
Process 4:



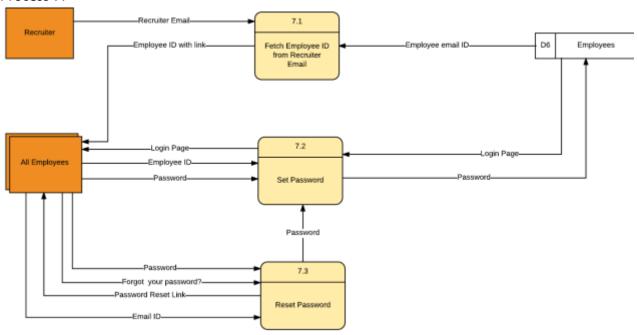
Process 5:



Process 6:



Process 7:



DATASTORE DETAILS

Kids

Attribute Name	Data Type	Length
Kids ID (P.K)	Varchar	10
Kids Name	Char	50
Age	Number	5
Sex	Char	5
Disability Status	Varchar	20
Education Level	Varchar	100
Past History	Varchar	100
Medical Record	Varchar	100
Adoption Status	Varchar	50
Preference Details	Varchar	10

Sponsors

Attribute Name	Data Type	Length
Sponsor ID (P.K)	Varchar	10
Name	Char	20
Email ID	Varchar	35
Organization	Char	50
Money	Varchar	20
Budget Request	Varchar	20

Adoption

Attribute Name	Data Type	Length
Parent ID (P.K)	Varchar	10
Parent Name	Char	20
Age	Number	5
Email ID	Varchar	35
Address	Varchar	100
Parent's Feedback	Varchar	100
Kid's Feedback	Varchar	100
Background Check Result	Varchar	100

Event

Attribute Name	Data Type	Length
Event ID (P.K)	Varchar	10
Event title	Char	20
Event Description	Varchar	100
Start Date	Date	
Venue	Varchar	50
Event Posting Alert Status	Boolean	2
Event Status	Boolean	2

Donation and Funds

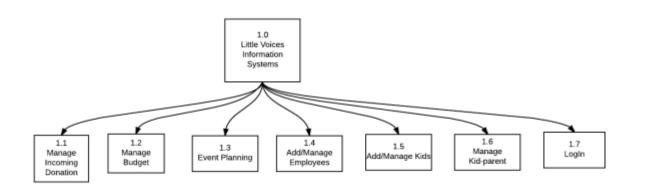
Attribute Name	Data Type	Length
Donation ID (P.K)	Varchar	10
Number of Items	Number	10
Items Category	Varchar	10
Number of Discarded Items	Number	5
Approval Status	Varchar	10

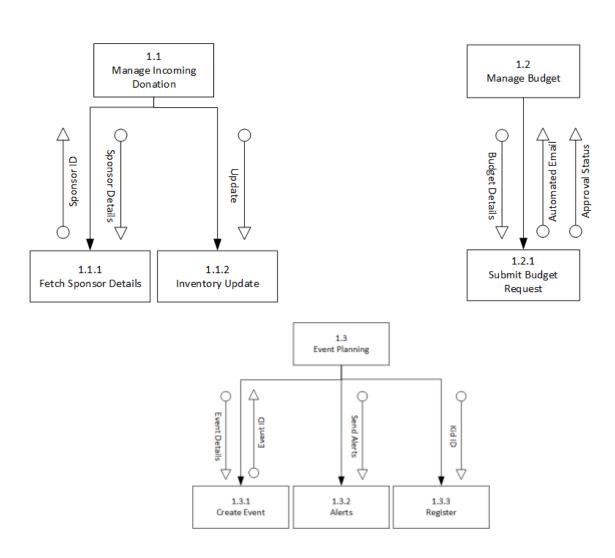
Employee

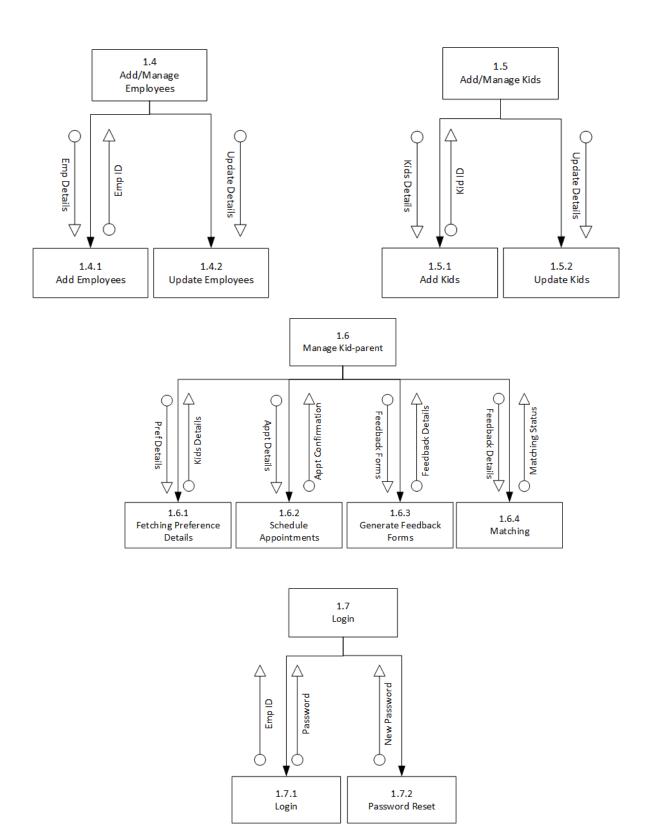
Attribute Name	Data Type	Length
Employee ID (P.K)	Varchar	10
Name	Char	20
Age	Number	5
Department ID	Varchar	10
Start Date	Varchar	10
Mailing Address	Varchar	50
Phone Number	Varchar	15
Employment Type	Varchar	10
Salary	Varchar	20
Account Password	Varchar	20

Previous Work	Varchar	100
Experience		

PROGRAM STRUCTURE CHART



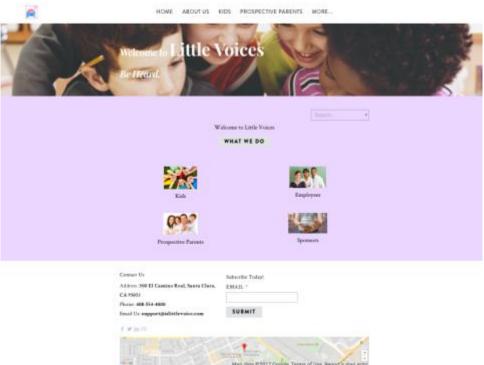




USER INTERFACES

https://islittlevoice.weebly.com/

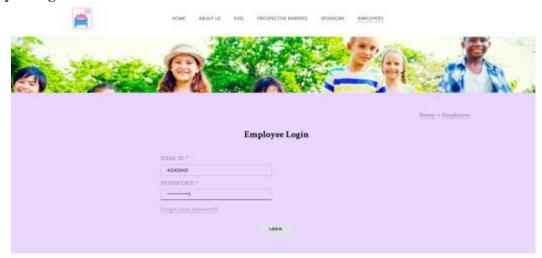
Home page



Meeting Kids

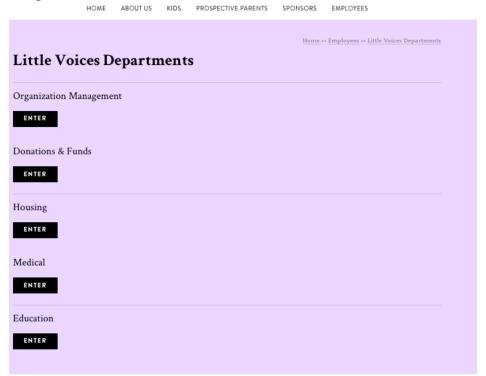


Employee Login





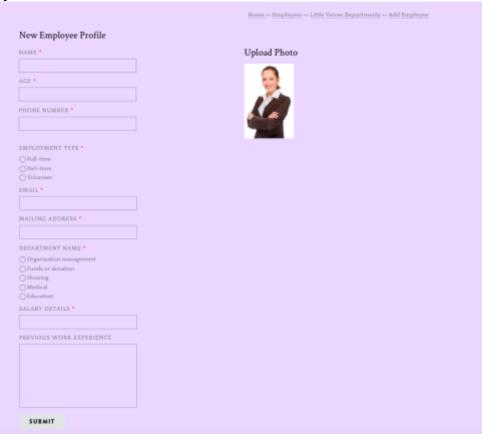
Little Voices Departments



Department 1: Organization Management Department

d Kid Upda	
	e Kid
option & Fostering	

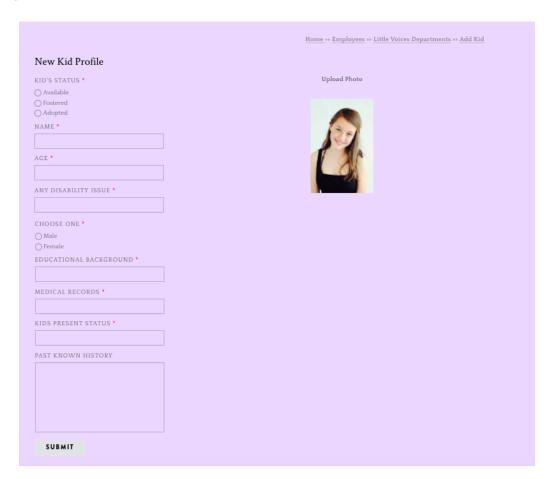
Add Employee



Update Employees by providing Employee ID



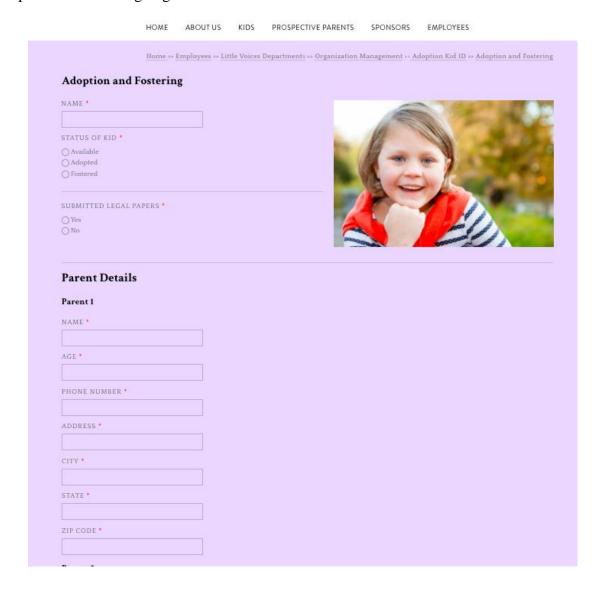
Add Kid



Update Kid by providing Kid's ID

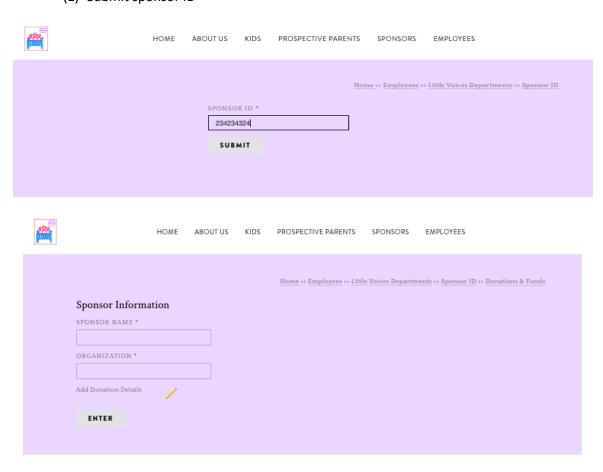


Adoption and Fostering Page



Par	ent 2
NAI	ME *
AGI	
PHO	ONE NUMBER *
ADI	DRESS *
CIT	Υ *
STA	TE *
ZIP	CODE *
	SUBMIT

Department 2: Donations & Funds Department (1) Submit sponsor ID



(3). If you want to add more donation details



Department 3: Housing Department



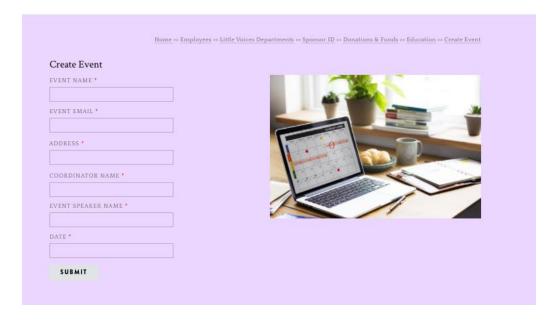
Budget Request Page



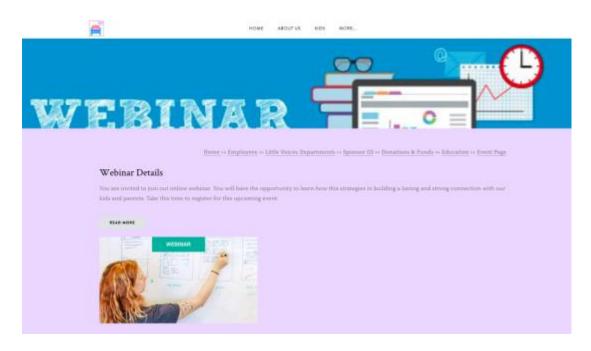
Event page



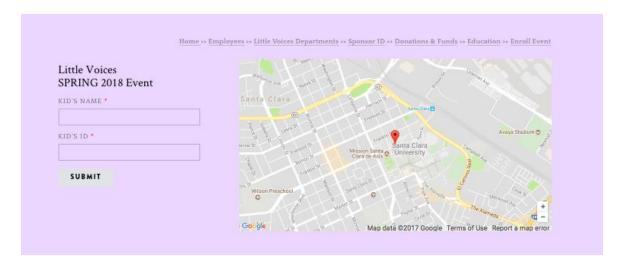
Create new events



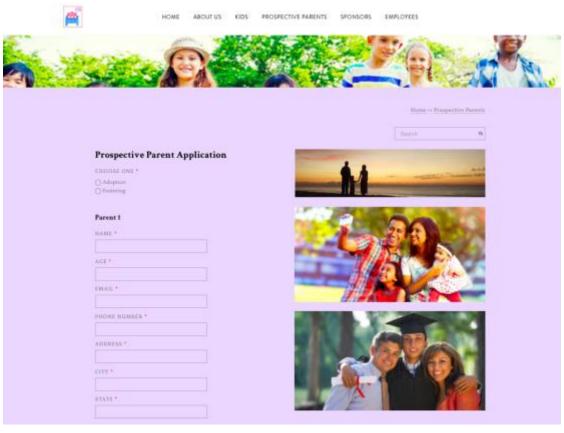
Event Detail Page

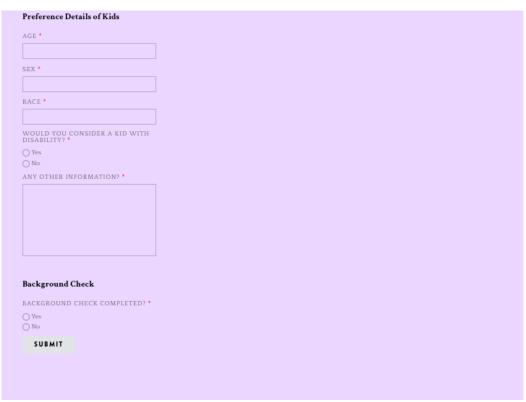


Enroll Kids



Prospective Parents application





Sponsors



DONATE			
PHONE * ADDRESS * CITY * STATE * ZIP CODE *	NAME *		
PHONE * ADDRESS * CITY * STATE * ZIP CODE *			
PHONE * ADDRESS * CITY * STATE * ZIP CODE *			
PHONE * ADDRESS * CITY * STATE * ZIP CODE *	EMAIL *		
ADDRESS * CITY * STATE * ZIP CODE *	LIVETURE		
ADDRESS * CITY * STATE * ZIP CODE *			
ADDRESS * CITY * STATE * ZIP CODE *			
CITY * STATE * ZIP CODE *	PHONE *		
CITY * STATE * ZIP CODE *			
CITY * STATE * ZIP CODE *			
CITY * STATE * ZIP CODE *	ADDRESS *		
STATE * ZIP CODE *	1000		
STATE * ZIP CODE *			
STATE * ZIP CODE *			
ZIP CODE *	CITY .		
ZIP CODE *			
ZIP CODE *			
	STATE *		
	ZIP CODE *		
DONATE	LIF CODE		
DONATE			
	DONATE		

FUTURE SCOPE

In future phases, we hope to incorporate more medical and housing related functionalities in our system. We also envision our system may be growing to become more robust, secured and scalable. Beyond collecting feedbacks from employees, parents and kids, our system could also be useful in analyzing those data and provide even more meaningful input in Little voices decision-making process.

CONCLUSION

Little Voices system is the perfect system for any organization who value the need to provide a healthy and happy home for the orphan kids. Our system is designed for employees, allowing them to manage the incoming kids, accept funds and donations from the sponsors, distribute them across several departments, educate the kid, taking care of their medical needs and finally felicitate a convenience and unbiased adoption process. Our system also encourages prospective parents to meet the kids and eventually help them to decide on a successful adoption/fostering process.

Children are the future of our society. Let's bring them from the slum to safety and into the loving arms of caretakers that will educate, love and raise them to become future leaders in their generation.