

CARE CONNECT
PROJECT THESIS
SUBMITTED

TO

AWH ENGINEERING COLLEGE

KUTTIKKATTOOR, KOZHIKODE

IN PARTIAL FULFILMENT

OF THE REQUIREMENTS FOR THE AWARD OF THE

DEGREE

OF

Master Of Computer Applications

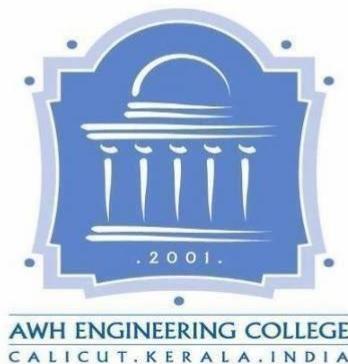
BY

VARNA VINOD



DEPARTMENT OF COMPUTER APPLICATIONS
AWH ENGINEERING COLLEGE KUTTIKKATTOOR,
KOZHIKODE
MAY 2024

DEPARTMENT OF COMPUTER APPLICATIONS



AWH ENGINEERING COLLEGE KOZHIKODE

CERTIFICATE

This is to certify that this thesis entitled "CARE CONNECT" submitted herewith is an authentic record of the thesis work done by VARNA VINOD (AWH22MCA-2045) under our guidance in partial fulfillment of the requirements for the award of Master of Computer Applications from APJ Abdul Kalam Technological University during the academic year 2023.

Mrs.Sruti Sudevan

Assistant Professor

Dept. of Computer Applications

Head of the department

Mrs.Sruti Sudevan

Assistant Professor

Dept. of Computer Applications

Project guide

External Examiner

Internal Examiner

ACKNOWLEDGEMENT

I express my sincere gratitude to our beloved principal **Dr.Sabeena M V** for providing me an opportunity with the required facilities for doing this project. I express my hearty thanks to **Mrs.Sruti Sudevan**, Head of the department of Computer Applications for her guidance. I am thankful to all other staff of the MCA department for their encouragement, timely guidance, valuable suggestions and inspiring ideas given throughout this project. I am grateful to my friends for the way they have cooperated, expected me to achieve success and have always stirred my ambition to do the best. Above all, I am grateful to the almighty, who has showered His blessings on me throughout my life and throughout the project.

VARNA VINOD

ABSTRACT

"Care Connect" is a digital platform designed for a seamless connection between users willing to donate used items and charitable organizations, with a primary focus on orphanages. Users can upload items like clothing, bags, and books, while Charity Organizations, acting as intermediaries, can collect these items. This initiative creates a collaborative environment where Orphanages can directly communicate their specific needs to Charity Organizations. Upon request, the organizations deliver the required items to the orphanages. Care Connect bridge the gap between surplus resources and those in need, providing a user-friendly interface for individuals, charitable organizations, and orphanages to interact and contribute to the well-being of community. This innovative solution not only promotes sustainability by recycling used items but also establishes a network of care and support, creating a positive impact on the lives of those less fortunate

.

CONTENTS

	Page No
1. INTRODUCTION	1
2. SYSTEM ANALYSIS	3
2.1 Existing System	4
2.2 Proposed System	4
2.3 Module Description	5
2.4 Sprint	8
2.5 User stories	12
3. FEASIBILITY STUDY	13
3.1 Economical Feasibility	14
3.2 Technical Feasibility	14
3.3 Operational Feasibility	14
3.4 Behavioral Feasibility	14
3.5 Software Feasibility	15
3.6 Hardware Feasibility	15
4. SOFTWARE ENGINEERING PARADIGM	16
4.1 Agile Model	17
4.2 Scrum	17
5. SYSTEM REQUIREMENT SPECIFICATIONS	20
5.1 Software Requirements	21
5.2 Hardware Requirements	21
6. SYSTEM DESIGN	22
6.1 Mongo DB	23
6.2 Collections	23
6.3 UML Design	24
6.4 Use Case Diagram	25

6.5 Scenario	27
6.6 Sequential Diagram	30
7.SYSTEM DEVELOPMENT	38
7.1 Coding	38
8.SYSTEM TESTING AND IMPLEMENTATION	41
8.1 Types of Testing	42
8.2 Implementation	42
9.SYSTEM MAINTENANCE	43
10.FUTURE ENHANCEMENT	45
11.CONCLUSION	47
12.APPENDIX	49
13.BIBLIOGRAPHY	79

INTRODUCTION

1. INTRODUCTION

In today's society, many of us have items lying around our homes, unused and waiting to find a new purpose. But people find it difficult to find time to help others .And people also feel like their small donations won't make a difference, especially when they see orphanages with lots of kids. And with their busy lives, it's hard to visit organizations to see what they need. "Care Connect" addresses this challenge by providing a user-friendly interface where users can easily upload items such as clothing, bags, and books, initiating a cycle of generosity and support.

Acting as intermediaries, charitable organizations play a crucial role in this , ensuring that donated items find their way to those who need them the most. Through "Care Connect," orphanages can communicate their specific needs directly to these organizations, providing a collaborative environment where surplus resources meet the needs of the community.Beyond the simple act of donation, "Care Connect" promotes sustainability by encouraging the recycling of used items, making a positive impact on the environment. Moreover, it establishes a network of care and support, connecting individuals, organizations, and orphanages in a shared mission to uplift and empower those less fortunate.

With its user-friendly interface and innovative approach, "Care Connect" bridges the gap between surplus resources and those in need, providing a platform where every contribution, no matter how small, makes a meaningful difference in the lives of others.

SYSTEM ANALYSIS

2. SYSTEM ANALYSIS

2.1 Existing system

In the current system, both charitable organizations and users encounter significant challenges in the donation process. Charitable organizations find it difficult to collect donated items efficiently, often relying on manual and time-consuming methods. Simultaneously, users struggle to identify the specific needs of orphanages and face difficulties finding time in their busy schedules to physically visit orphanages for delivering the donated products. These obstacles create a barrier to seamless and timely assistance, impacting the effectiveness of the overall donation process and leaving both donors and recipients feeling frustrated and disconnected.

The existing system has several disadvantages:

- Charitable organizations face difficulty in efficiently collecting donated items.
- Users struggle to determine the exact needs of orphanages .

2.2 Proposed system

The proposed system aims to revolutionize the current donation landscape by introducing a user-friendly platform tailored to address the identified challenges comprehensively. Charitable organizations are poised to benefit significantly from a more streamlined collection process, made possible through dedicated delivery services. This ensures not only the efficient handling of donated items but also alleviates the burdensome logistics involved in traditional collection methods. Meanwhile, users stand to experience a vastly simplified and convenient donation process, allowing them to effortlessly upload item details and arrange for pickups directly from their homes. This seamless integration not only saves time but also encourages greater participation in the act of giving. Furthermore, the platform establishes transparent communication channels between orphanages and organizations, fostering a collaborative environment that enhances the overall efficiency, accessibility, and impact of the donation process. By bridging gaps and facilitating meaningful connections, this innovative solution promises to elevate the collective effort towards addressing societal needs and fostering positive change within communities.

The proposed system has several advantages:

- Streamlined collection process for organizations.
- Simplified donation process for users
- Time saving for users.

2.3 Module Description

This project has 5 modules:

Admin:

- Login
- Manage organization
- Manage orphanages
- View users
- View products
- View reports
- View financial contributions
- View events
- View donations
- View reviews
- View sponsorships
- View orders
- View delivery boys

Organization:

- Register
- Login
- Manage delivery boy
- View and accept/reject donation requests
- View orphanages
- View products
- Add products to cart
- View cart
- Order products
- View orders

- Add/View reports
- View events
- Send, view sponsorship request
- View, edit profile
- View review

Orphanage:

- Register
- Login
- View organization
- Send, view donation request
- View donations
- View financial contributions from users
- Add /view events
- View, accept/reject sponsorship requests
- View reports
- Post ,view review
- View, edit profile
- Sent financial contribution request

User:

- Register
- Login
- View, edit profile
- Upload product
- View product
- View organizations
- View orphanages
- View, accept/reject order request
- View orders
- Do financial contribution to orphanages
- View contribution history
- View events

- View reports
- View reviews

Delivery boy:

- Login
- View, edit profile
- Update order delivery status
- View, update donation status
- View orders
- Verify products

2.4 Sprint

Sprint 1

Module	Task	Hours for completion	Expected date of completion	Actual date of completion	Reason for Deviation
Admin/Org anization/ Orphanage/User/De livery boy	Login	5 hours	29/01/2024	29/01/2024	-
Admin	Manage Organization	4 hours	30/01/2024	30/01/2024	-
	Manage orphanage	4 hours	31/01/2024	31/01/2024	-
	View products	3 hours	1/02/20234	1/02/20234	-
	View contribution	3 hours	1/02/2024	1/02/2024	-
	View sponsorships	2 hours	02/02/2024	02/02/2024	-
	View donation	2 hours	02/02/2024	02/02/2024	-
	View order	3 hours	03/02/2024	03/02/2024	-
	View report	2 hours	05/02/2024	05/02/2024	-
	View events	2 hours	05/02/2024	05/02/2024	-

Sprint 2

Module	Task	Hours for completion	Expected date of completion	Actual date of completion	Reason for Deviation
Admin	View user	2 hours	06/02/2024	06/02/2024	-
	View review	2 hours	06/02/2024	06/02/2024	-
	View delivery boys	2 hours	07/02/2024	07/02/2024	-
Orphanage	Registration	3 hours	07/02/2024	07/02/2024	-
	View organization	2 hours	08/02/2024	08/02/2024	-
	Manage profile	3 hours	08/02/2024	08/02/2024	-
	Manage events	2 hours	09/02/2024	09/02/2024	-
	Post review	2 hours	09/02/2024	09/02/2024	-
	Accept/reject sponsorships	2 hours	12/02/2024	12/02/2024	-
	View donation	2 hours	12/02/2024	12/02/2024	-
	Send donation requests	2 hours	13/02/2024	13/02/2024	-
	Send contribution request	2 hours	13/02/2024	13/02/2024	-
Organization	Registration	4 hours	14/02/2024	14/02/2024	-

Sprint 3

Module	Task	Hours for completion	Expected date of completion	Actual date of completion	Reason for Deviation
Organization	View orphanage	2 hours	15/02/2024	15/02/2024	-
	Add product to cart	3 hours	15/02/2024	15/02/2024	-
	View products	2 hours	16/02/2024	16/02/2024	-
	View events	2 hours	16/02/2024	16/02/2024	-
	Order product	5 hours	19/02/2024	23/02/2023	Needed time for coding
	Sent sponsorship request	2 hours	26/02/2024	26/02/2024	-
	Accept/reject donation requests	3 hours	26/02/2024	26/02/2024	-
	View review	2 hours	27/02/2024	27/02/2024	-
User	Registration	3 hours	28/02/2024	28/02/2024	-
	Manage profile	3 hours	29/02/2024	29/02/2024	-
	Manage products	3 hours	1/03/2024	1/03/2024	-

Sprint 4

Module	Task	Hours for completion	Expected date of completion	Actual date of completion	Reason for Deviation
User	Accept/reject orders	3 hours	4/03/2024	4/03/2024	-
	View organization	3 hours	5/03/2024	5/03/2024	-
	View orphanages	3 hours	6/03/2024	6/03/2024	-
	Provide contribution	3 hours	7/03/2024	8/03/2024	Needed time for coding
	View events	3 hours	11/03/2024	11/03/2024	-
	View reports	3 hours	12/03/2024	12/03/2024	-
	View reviews	3 hours	13/03/2024	13/03/2024	-
Delivery boy	Registration	3 hours	14/03/2024	14/03/2024	-
	Manage profile	3 hours	15/03/2024	15/03/2024	-
	Update donation status	3 hours	18/03/2024	21/08/2023	Needed time for coding

2.5 User Stories

Home bakes is a web application which consists of five modules as Admin, Organization, Orphanage, User and Delivery boy. Admin should be able to manage the Organization and orphanage. Admin should be able to view the products uploaded by users and view the reports uploaded by the organizations and orphanages. Admin should also be able to view users, financial contributions, events, donations, sponsorships, orders, delivery boys and reviews given by the orphanages.

Organization should be able register and login to the Care connect platform and use its services and features. Baker should be responsible for managing delivery boys. Baker should be able to view and manage the donation requests, view orphanages, view products uploaded by the users and add them to cart and then order it. They can also view the reviews given by orphanages, manage reports, view events and send sponsorship request. Organization should also be able to view the profile and update it.

Orphanage should be able register and login to the Care connect platform and use its services and features. Baker should be responsible for managing events and reports. Orphanage should be able to view donations, view financial contributions from users, view organizations and manage the donation requests, view orphanages, .They can also post and view the reviews , can manage sponsorship requests. Orphanage should also be able to view the profile and update it.

User should be able to register for the platform by providing personal information and then log in to account using email and password and change password for security purposes. User should be able to manage products, view organizations, view orphanages, manage order, provide financial contributions, view contribution history. They should be able to view events, reviews and reports of both orphanages and organizations. They should also be able to view and update their profile.

Delivery boy should be able to log in to account using email and password .They should be able to update both order status and delivery status.They should also be able to view and update their profile.

FEASIBILITY STUDY

3.FEASIBILITY STUDY

System study is the best of system proposed according to work ability, impact on the organization ability to meet user needs, and effective use of resources. The prime focus of the feasibility study is evaluating the practicability of the proposed system keeping in mind a number of factors.

3.1 Economical Feasibility

The economic analysis is done to determine the benefits and savings that are expected from the candidate system and compare them with costs. Thus, coming to a conclusion on whether the system is economically feasible or not. This system is cost effective as well as time effective, thereby making it economically feasible. This study presents tangible and intangible benefits from the project by comparing the developments and operational costs. The technique of cost benefit analysis is often used as a basis for assessing economic feasibility.

3.2 Technical Feasibility

The technical requirements for the system are economic, and there is no need for additional hardware. This application is developed using MERN Stack, whose development kit are easily available and free of cost, thus making our system technically feasible.

3.3 Operational Feasibility

Operational feasibility is determined by how well the system meets requirements. Since the system is user-friendly and minimizes manual work, it is considered operationally feasible. The user-friendly nature of the system reduces the workload for all entities involved.

3.4 Behavioral Feasibility

This analysis involves how it will work when it is installed and the assessment of the political and managerial environment in which it is implemented. People are inherently resistant to change and computers have been known to facilitate change. The new proposed system is very much useful to the users and therefore it will

accept a broad audience.

3.5 Software Feasibility

The application is developed in a high software environment, but it is adaptable to various other environments with minimal changes. The system is fully feasible to be executed on different operating systems and browsers.

3.6 Hardware Feasibility

Software can be developed with the existing resources. But the existing resources may or may not be used to produce hardware. If no hardware is newly bought for a project, then software is said to achieve hardware feasibility. The system is hardware-wise feasible because it needs absolutely no new hardware.

SOFTWARE ENGINEERING PARADIGM

4. SOFTWARE ENGINEERING PARADIGM

The software engineering paradigm which is also referred to as a software process model or Software Development Life Cycle (SDLC) model is the development strategy that encompasses the process, methods and tools.

4.1 Agile model

Agile SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks. At the end of the iteration, a working product is displayed to the customer and important stakeholders. Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks.

At the end of the iteration, a working product is displayed to the customer and important stakeholders. Agile model believes that every project needs to be handled differently and the existing methods need to be tailored to best suit the project requirements. In Agile, the tasks are divided to time boxes (small time frames) to deliver specific features for a release.

Agile software development is an umbrella term for a set of frameworks and practices based on the values and principles expressed in the Manifesto for Agile Software Development and the 12 Principles behind it. When user approach software development in a particular manner, it's generally good to live by these values and principles and use them to help figure out the right things to do given users particular context. One thing that separates Agile from other approaches to software development is the focus on the people doing the work and how they work together. Solutions evolve through collaboration between self-organizing cross-functional teams utilizing the appropriate practices for their context.

4.2 Scrum

Scrum is an agile framework for managing knowledge work, with an

emphasis on software development. It is designed for teams of three to nine members, who break their work into actions that can be completed within time boxed iterations, called "sprints", no longer than one month and most commonly two weeks, then track progress and re-plan in 15-minute stand-up meetings, called daily scrums.

Scrum is an iterative and incremental framework for managing product development. It defines "a flexible, holistic product development strategy where a development team works as a unit to reach a common goal", challenges assumptions of the "traditional, sequential approach to product development, and enables teams to self organize by encouraging physical co-location or close online collaboration of all team members, as well as daily face-to-face communication among all team members and disciplines involved.

In the project management, scrum, sometimes written Scrum or SCRUM, is a framework for developing, delivering, and sustaining products in a complex environment, with an initial emphasis on software development, although it has been used in other fields including research, sales, marketing and advanced technologies. It is designed for teams of ten or fewer members, who break their work into goals that can be completed within time-boxed iterations, called sprints, no longer than one month and most commonly two weeks. The scrum team assess progress in time-boxed daily meetings of 15 minutes or less, called daily scrums (a form of stand-up meeting). At the end of the sprint, the team holds two further meetings: the sprint review which demonstrates the work done to stakeholders to elicit feedback, and sprint retrospective which enables the team to reflect and improve.

A key principle of Scrum is the dual recognition that customers will change their minds about what they want or need and that there will be unpredictable challenges-for which a predictive or planned approach is not suited. As such, Scrum adopts an evidence based empirical approach accepting that the problem cannot be fully understood or defined up front, and instead focusing on how to maximize the team's ability to deliver quickly, to respond to emerging requirements, and to adapt to evolving technologies and changes in market conditions. Many of the terms used in Scrum (e.g., scrum master) are typically written with leading capitals (e.g., Scrum Master) or as conjoint words written in camel case (e.g., Scrum Master). To maintain an encyclopedic tone, however, this article uses normal sentence case for these terms-unless they are recognized marks. This is occasionally seen written in all

capitals as SCRUM. The word is not an acronym, so this is not correct; however, it likely arose due to an early paper by Ken Schwaber which capitalized SCRUM in its title. While the trademark on the term Scrum itself has been allowed to lapse, so that it is deemed as owned by the wider community rather than an individual, the leading capital is retained-except when used with other words.

SYSTEM REQUIREMENT SPECIFICATION

5. SYSTEM REQUIREMENTS SPECIFICATION

5.1 Software Requirements

- Operating system : Windows 8 or above
- Frontend : React
- Backend : Express, Node.js
- Database : MongoDB
- Language used : JavaScript
- IDE : Visual Studio
- Framework : MERN

5.2 Hardware Requirements

- A device with an internet connection
- Processor : intel core i3 or above
- System Bus : 32 bit or 64 bits
- RAM : 4 GB or Above
- HDD : 500 GB or Above

SYSTEM DESIGN

6. SYSTEM DESIGN

System design is the first in the development phase for many engineered product or system. It may define the process of applying various techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization.

6.1. MongoDB

Database design is the process of producing a detailed data model of a database. This logical data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database. The term database design can be used to describe many different parts of the design of an overall database system.

Non-relational model databases, also known as NoSQL databases, are a type of database management system that diverge from the traditional relational model. Instead of relying on tables with predefined schemas and fixed relationships, NoSQL databases use flexible and dynamic data models, such as document-based, key-value, graph, or column-family.

6.2 Collections

In MongoDB, a collection is a grouping of MongoDB documents. It is the equivalent of a table in relational databases. Collections exist within databases and can store multiple documents in a structured format. Each document within a collection can have a unique structure, meaning they don't have to follow a rigid schema like in traditional relational databases.

Project Collection

- Users
- Sponsorships
- Reviews
- Reports
- Products

- Orders
- Events
- Donations
- Contributions
- Contributionrequests
- Cart

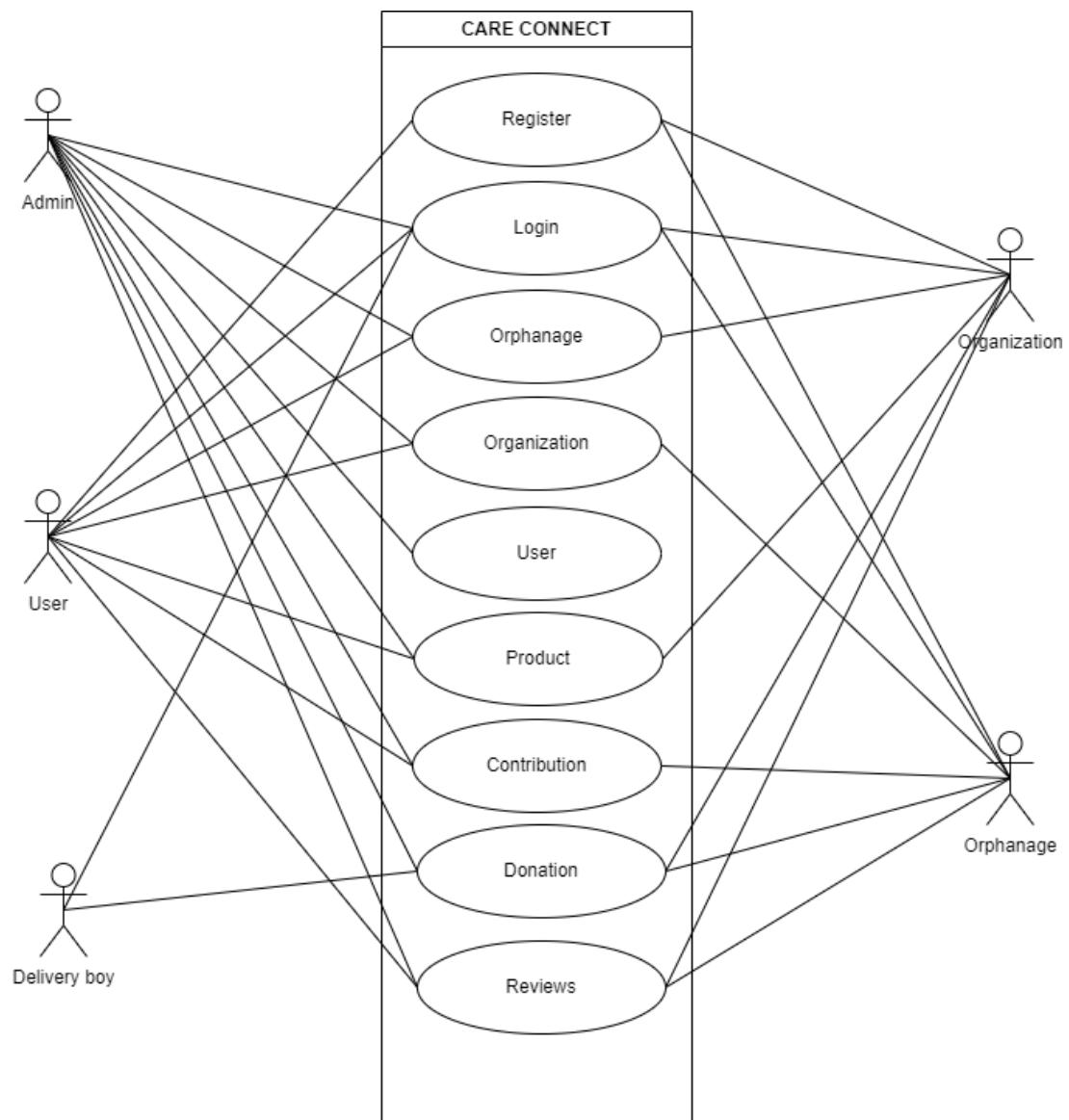
6.2 UML Designs

The Unified Modelling Language (UML) is indeed a standardized language used for specifying, visualizing, constructing, and documenting software systems, as well as for business modelling and other non-software systems. It encompasses a collection of best engineering practices that have been proven successful in modelling large and complex systems. UML provides a set of graphical notations that allow software developers and other stakeholders to express and communicate the design of software projects effectively.

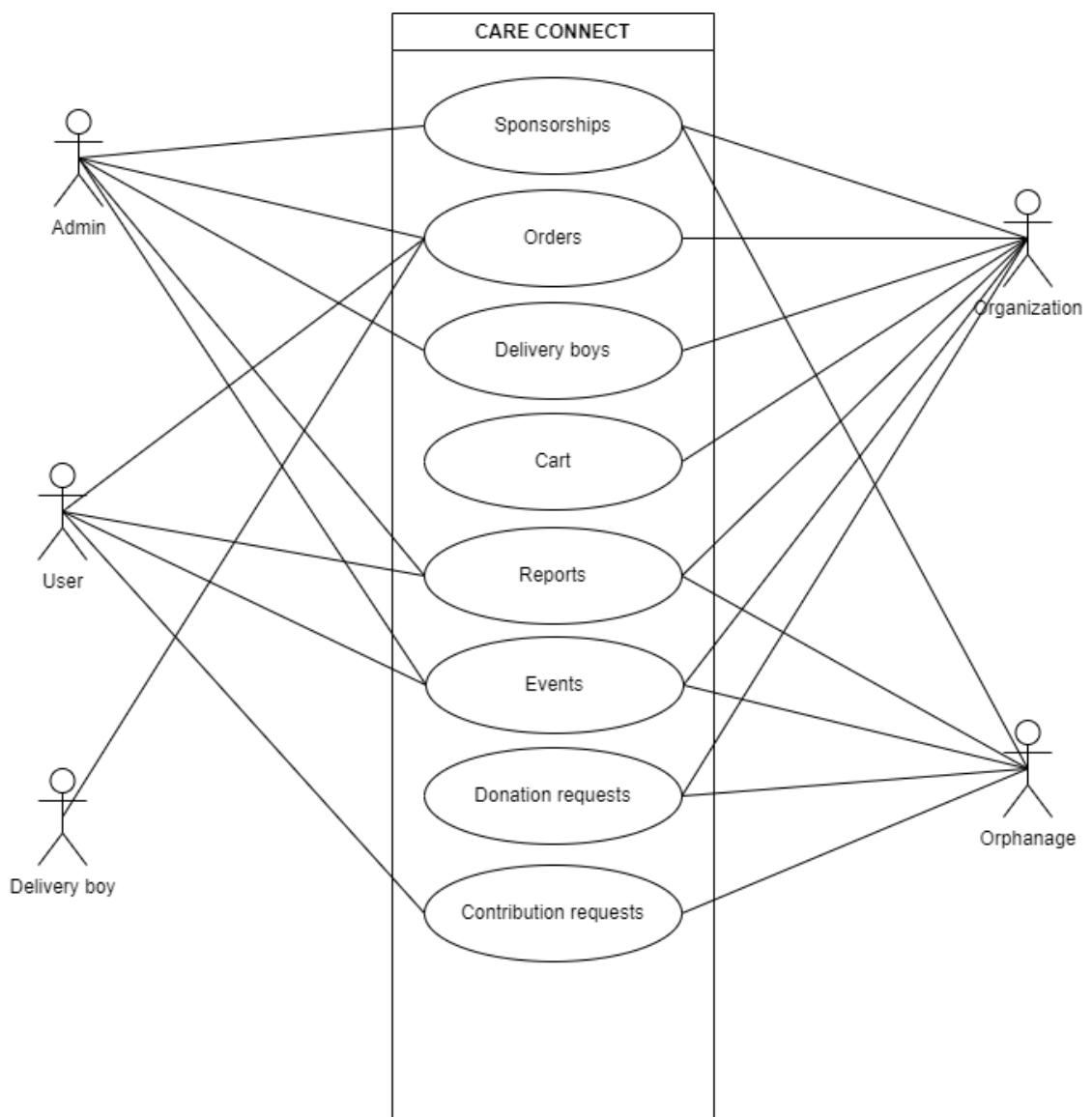
By using UML, project teams can visualize and explore potential designs, communicate design decisions, and validate the architectural design of the software system. UML diagrams serve as a means to represent various aspects of the system being developed. These diagrams can be used to depict the structure of the system, its behaviour , interactions between components, and the overall flow of activities. The graphical nature of UML diagrams makes them intuitive and easier to understand for both technical and non-technical stakeholders involved in the software development process. UML provides a standardized and widely accepted notation, which promotes consistency and clarity in design documentation. This allows for better collaboration among team members and facilitates the understanding and maintenance of software systems over time. The use of UML in software development can enhance communication, facilitate design exploration, and provide a solid foundation for developing and documenting complex software systems

6.3 Use case diagram

1)



2)



6.4 Scenario

Admin:

- Can login
- Can view, approve, reject organization and orphanage
- Can view product
- Can view user
- Can view contributions
- Can view donations
- Can view sponsorships
- Can view reviews
- Can view orders
- Can view delivery boys
- Can view report
- Can view events

Organization:

- Can register
- Can login
- Can view orphanage
- Can view product
- Can add product to cart
- Can order product
- Can provide donation
- Can view reviews
- Can provide sponsorships
- Can view orders
- Can manage delivery boys
- Can view cart

- Can view and manage reports
- View events
- View donation requests
- Can view and manage profile

Orphanage:

- Can register
- Can login
- Can view organizations
- Can view contributions
- Can post and view reviews
- Can view donations
- Can view reviews
- Can view, accept/reject sponsorships
- Can view, manage reports
- Can manage events
- Can view and send donation requests
- Can view and send contribution requests
- Can view and manage profile

User:

- Can register
- Can login
- Can view organizations
- Can view orphanages
- Can manage products
- Can provide financial contributions
- Can view reviews

- Can view, accept/reject orders
- Can view reports
- Can view events
- Can view contribution requests

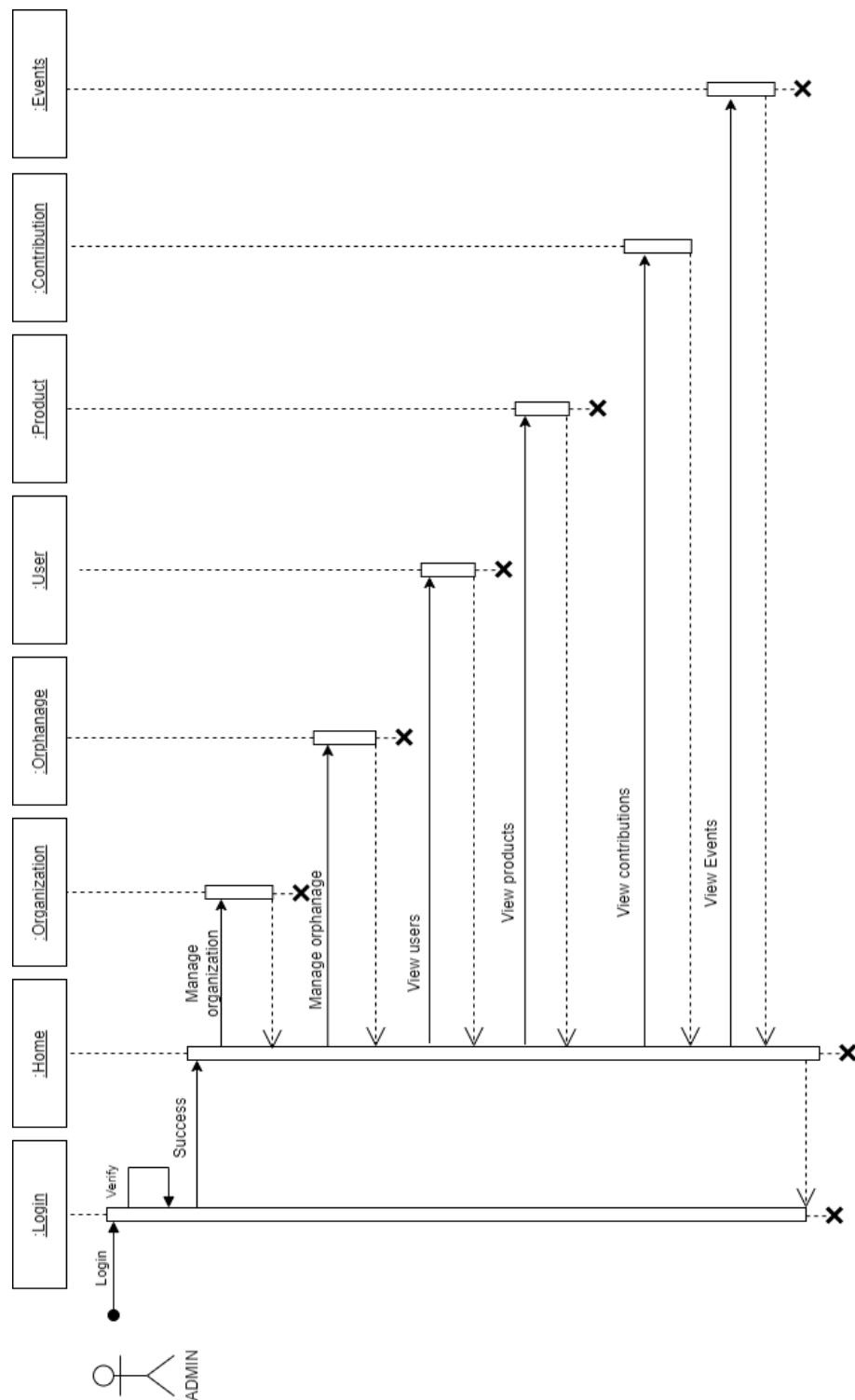
Delivery boy:

- Login
- Can view donation and update status
- Can view orders and update status

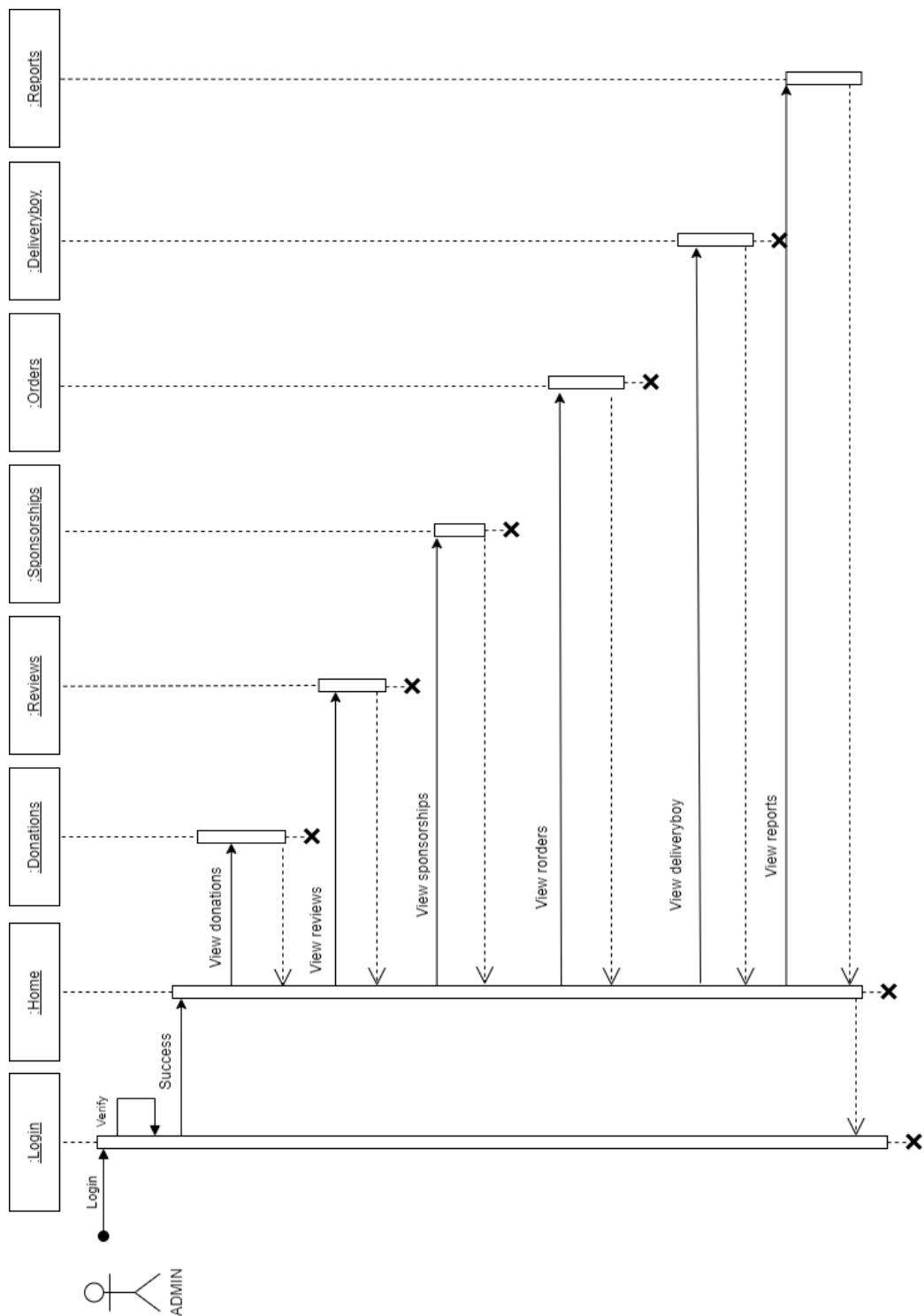
6.5 Sequence Diagram

Admin

1)

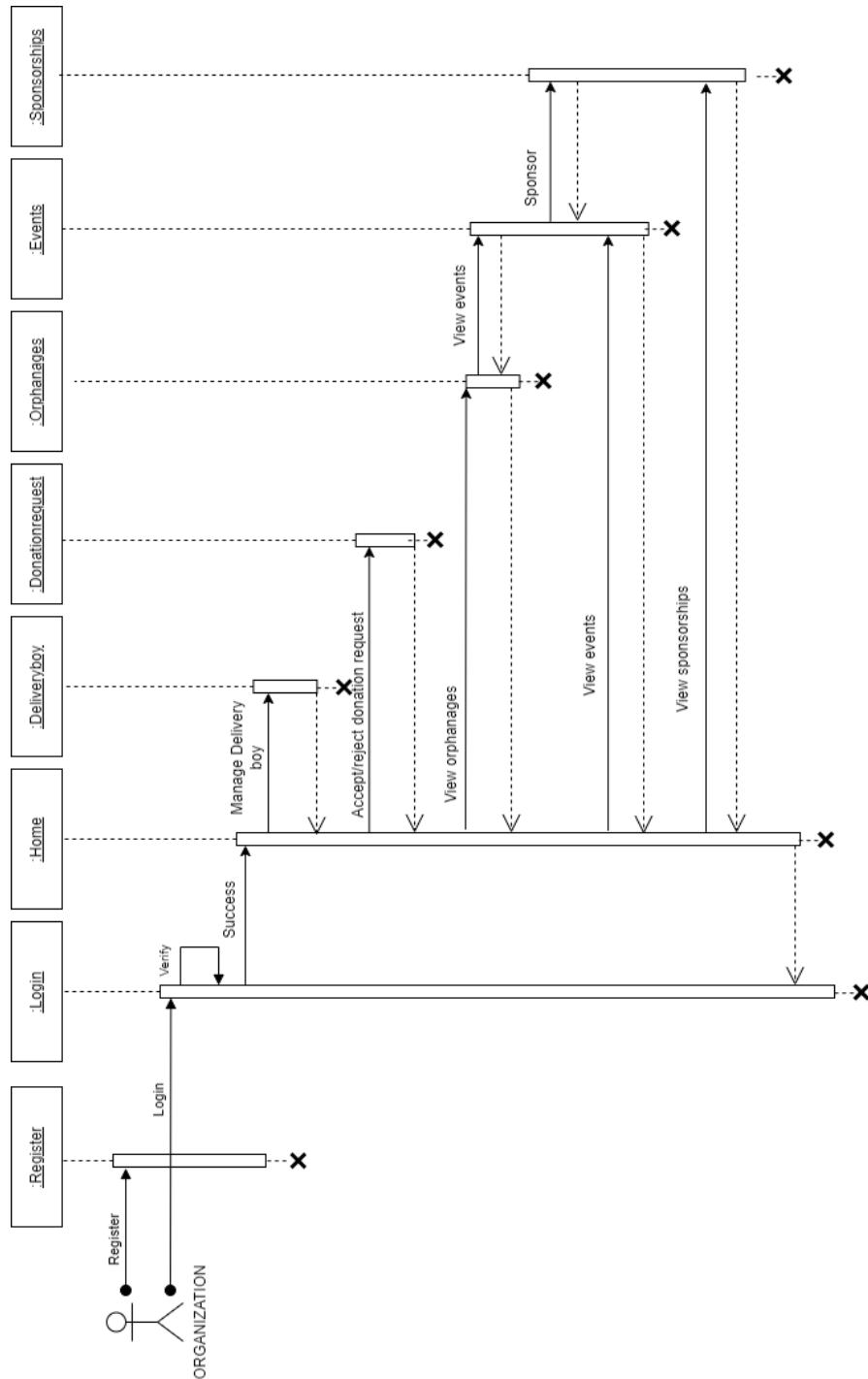


2)

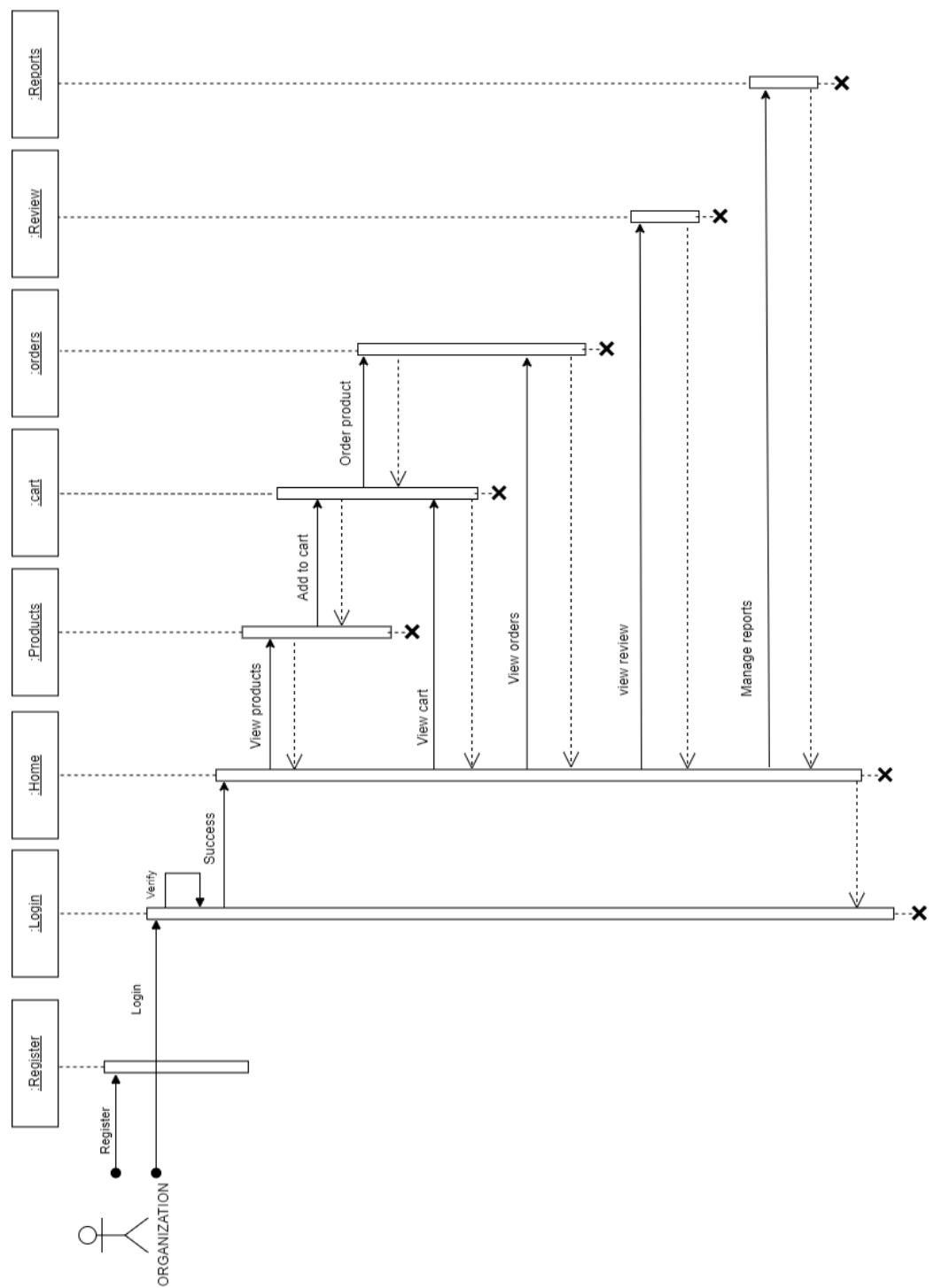


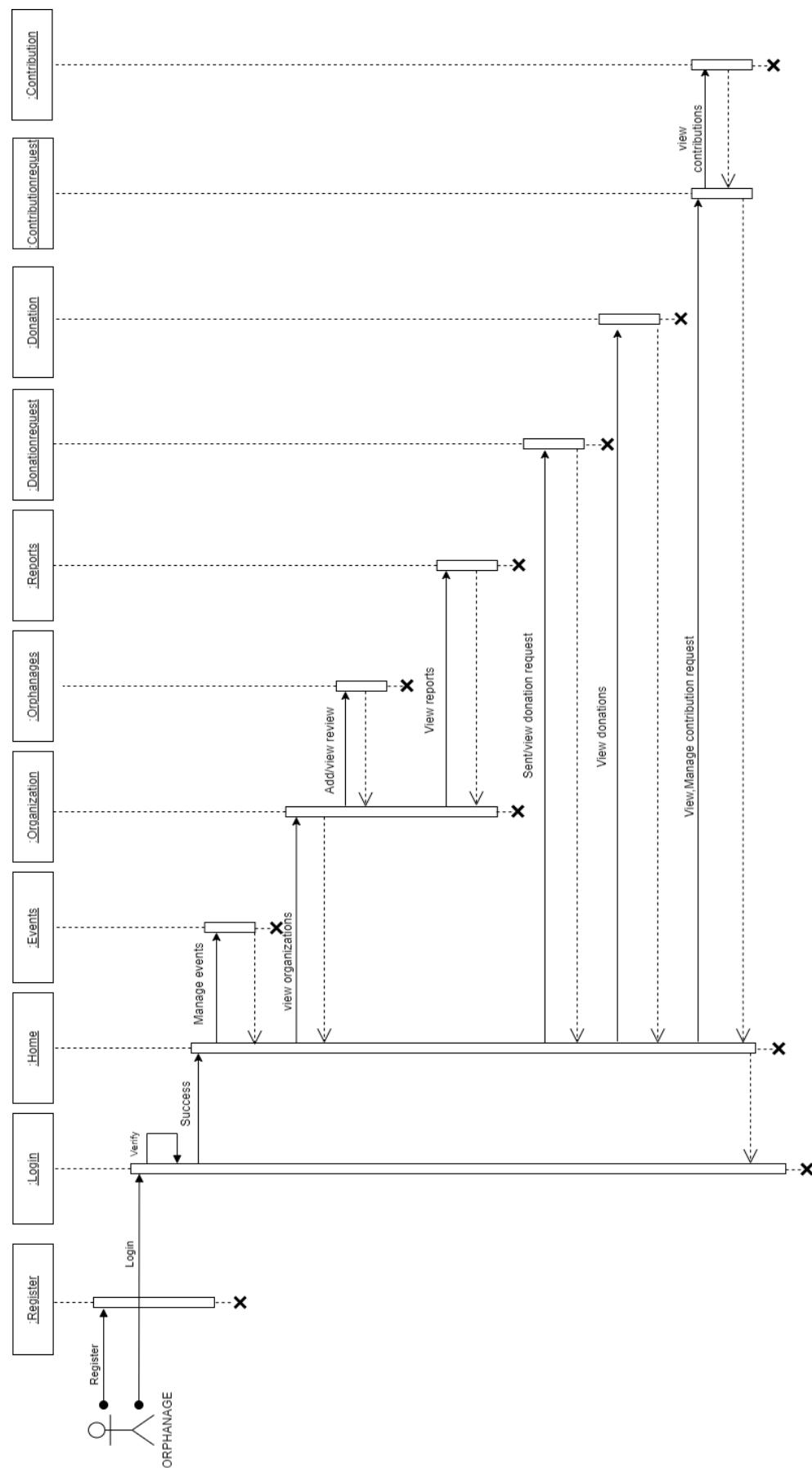
Organization:

1)



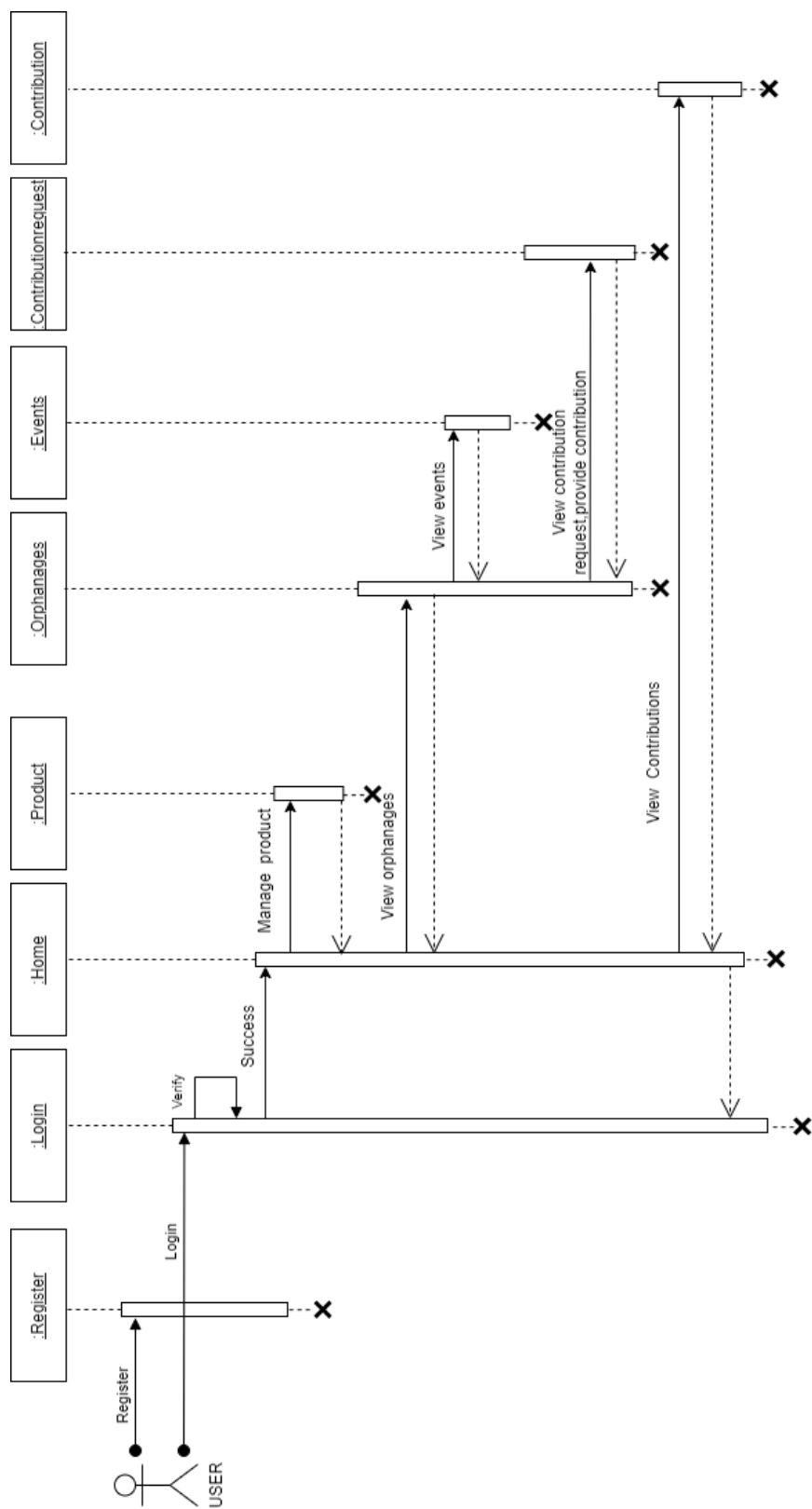
2)



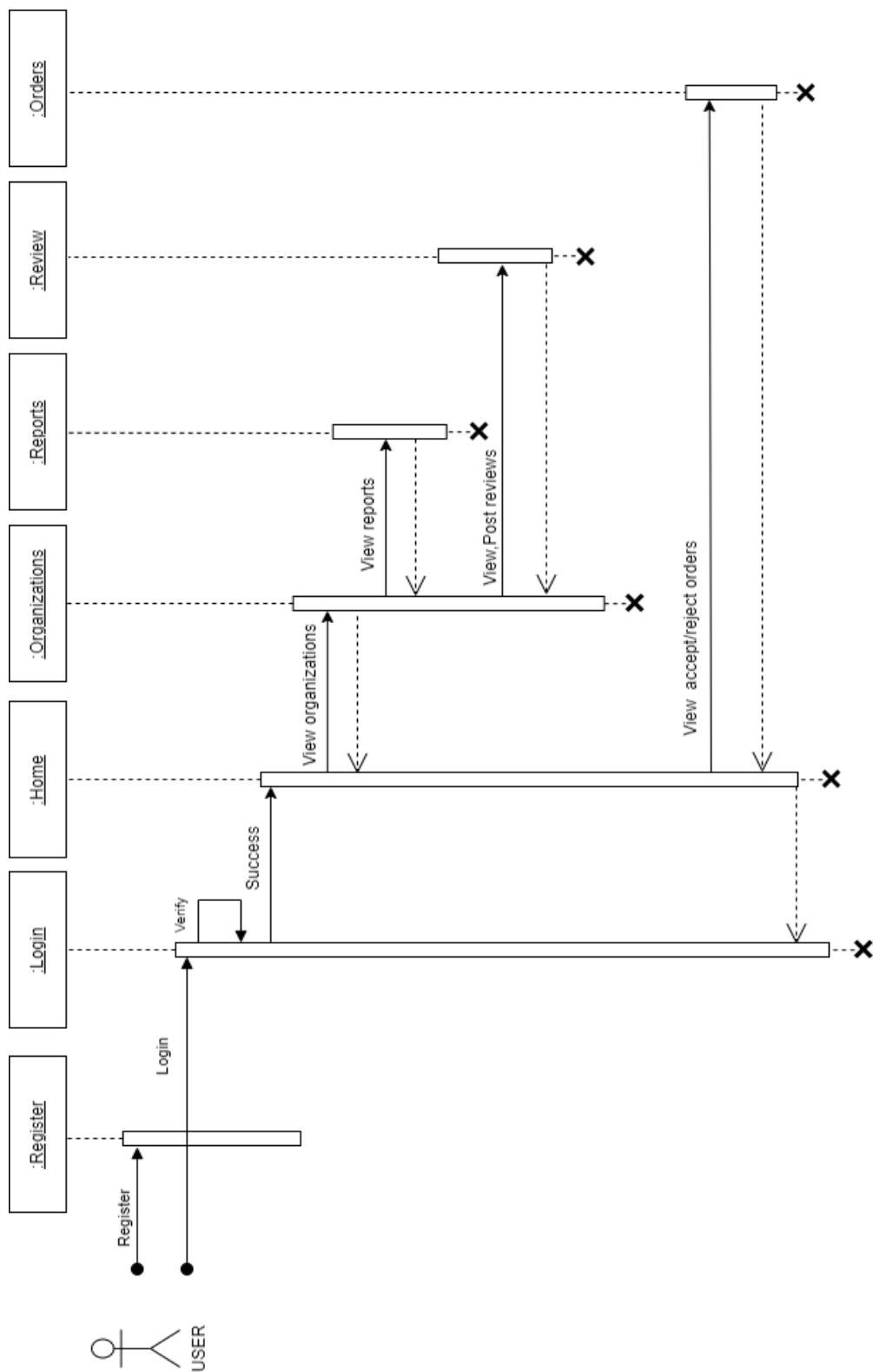
Orphanage:

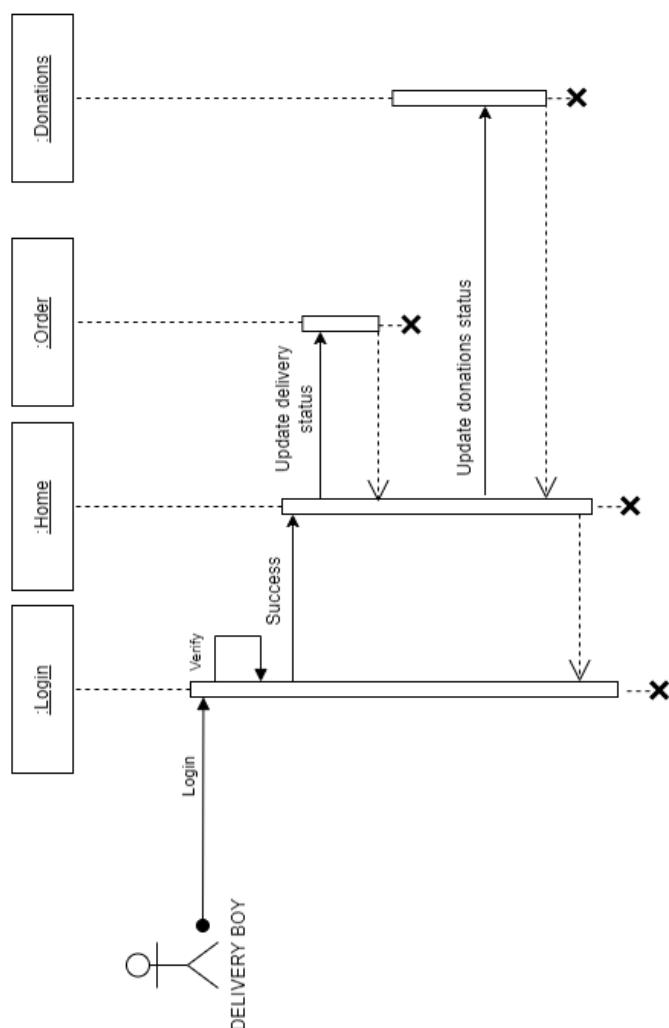
User:

1)



2)



Delivery boy

SYSTEM DEVELOPMENT

7. SYSTEM DEVELOPMENT

System development is a series of operations to manipulate data to produce output from a computer system. The principal activities performed during the development phase can be divided into two major related sequences.

- External system development
- Internal system development

The major external system activities are:

- Implementation
- Planning
- Equipment acquisition
- Installation

7.1 Coding

The purpose of code is to facilitate the identification and retrieval of items of information. A code is an ordered collection of symbols designed to provide unique identification of an entity or an attribute. Code also shows interrelationship among different items. Codes are used to identify, access, sort, matching records. The code ensures that only one value of code with a single meaning is applied to give an entity or attribute as described in various ways.

Node JS

Node.js is an open-source, cross-platform JavaScript runtime environment that enables developers to build scalable and high-performance applications. It is built on top of the V8 JavaScript engine used by Google Chrome and provides an event-driven, non-blocking I/O model that makes it well-suited for real-time web applications. Node.js enables developers to write server-side applications using JavaScript, which is a popular and widely-used programming language on the web. It has a vast ecosystem of third-party packages and libraries that can be easily installed using the Node Package Manager (NPM). Node.js applications can be run on

various platforms such as Windows, Mac, and Linux.

Express JS

Express.js is a minimal and flexible Node.js web application framework that provides a set of robust features for building web and mobile applications. It is one of the most popular and widely-used frameworks for Node.js, and is known for its simplicity and ease of use. Express.js provides a set of features for developing serverside web applications, including routing, middleware support, template engines, and much more. It also provides an easy-to-use API for interacting with databases such as MongoDB and MySQL, and supports a variety of templating engines, such as Pug, Handlebars, and EJS.

Mongo DB

MongoDB is a popular document-oriented NoSQL database system that allows developers to store and manage large amounts of data in a flexible and scalable way. It is an open-source database that uses JSON-like documents with optional schemas, which makes it easy to work with and suitable for a variety of use cases. One of the key benefits of MongoDB is its ability to scale horizontally. This means that developers can add new servers to their database cluster as the amount of data or traffic increases, which allows the database to handle more requests and ensures that it can continue to perform well even as the application grows.

SYSTEM TESTING AND IMPLEMENTATION

8.SYSTEM TESTING AND IMPLEMENTATION

Testing is vital to the success of the system. It makes a logical assumption that if all the parts of the system are correct, the goal will be successfully achieved in this project. It is the stage of implementation, which ensures that the system works accurately and effectively before the live operation commences.

8.1 Types of Testing

Unit testing

Unit testing is a software testing technique that focuses on testing individual units or components of a software system in isolation. The purpose of unit testing is to ensure that each unit functions correctly and produces the expected outputs when provided with specific inputs.

Black box testing

Black box testing is a software testing technique where the tester examines and tests the software without having knowledge of its internal structure, implementation details, or code.

White box testing

White box testing is a software testing technique that focuses on examining and validating the internal structure, design, and code of the software. Testers have access to the internal components, implementation details, and source code, allowing them to assess the internal logic and behavior of the software.

8.2 Implementation

Implementation is the stage of project, when theoretical design is turned into a working system. The most crucial stage is achieving a successful system and confidence that the new system will work effectively. It involves careful planning, investigation of the manual system and the new system. Implementation means converting a new or revised system design into an operational one. The implementation includes all those activities that take place to convert from the old system to the new one.

SYSTEM MAINTENANCE

9. SYSTEM MAINTENANCE

Maintenance is making adaptation of the software for external changes (requirements changes or enhancements) and internal changes (fixing bugs). When changes are made during the maintenance phase all preceding steps of the model must be revisited.

There are 3 types of maintenance:

- Corrective (Fixing bugs/errors)
- Adaptive (Updates due to environment changes)
- Perfective (Enhancements, requirements changes)

Maintenance is enigma of the system development. The definition of the software maintenance can be given describing four activities that are undertaken after the program is released for use. The maintenance activity occurs since it is unreasonable to assume that software testing will uncover all in a large system. The second activity that contributes the definition of maintenance occurs since rapid changes are encountered in every aspect of computing. The third activity involves recommendation for new capabilities, modification to the existing functions and general enhancements when the software is used. The fourth maintenance activity occurs when software is changed to improve future maintainability or reliability.

FUTURE ENHANCEMENT

10. FUTURE ENHANCEMENT

The proposed system currently serving Kerala, envisions expanding its geographical reach to new states. By providing a broader area, Care Connect seeks to connect with more orphanages, organizations and users. The development of a dedicated mobile application will enhance accessibility, providing users with a seamless on-the-go experience. Implementation of a real-time tracking feature for donated items will be introduced. This feature would allow users, charitable organizations, and orphanages to track the status and location of donated items from the moment they are picked up by the delivery boy until they reach their final destination at the orphanage. Another potential enhancement will be the implementation of a feedback and rating system for delivery boys. This feature would allow users, charitable organizations, and orphanages to provide feedback and rate the performance of delivery boys based on their professionalism, timeliness, and quality of service.

CONCLUSION

11. CONCLUSION

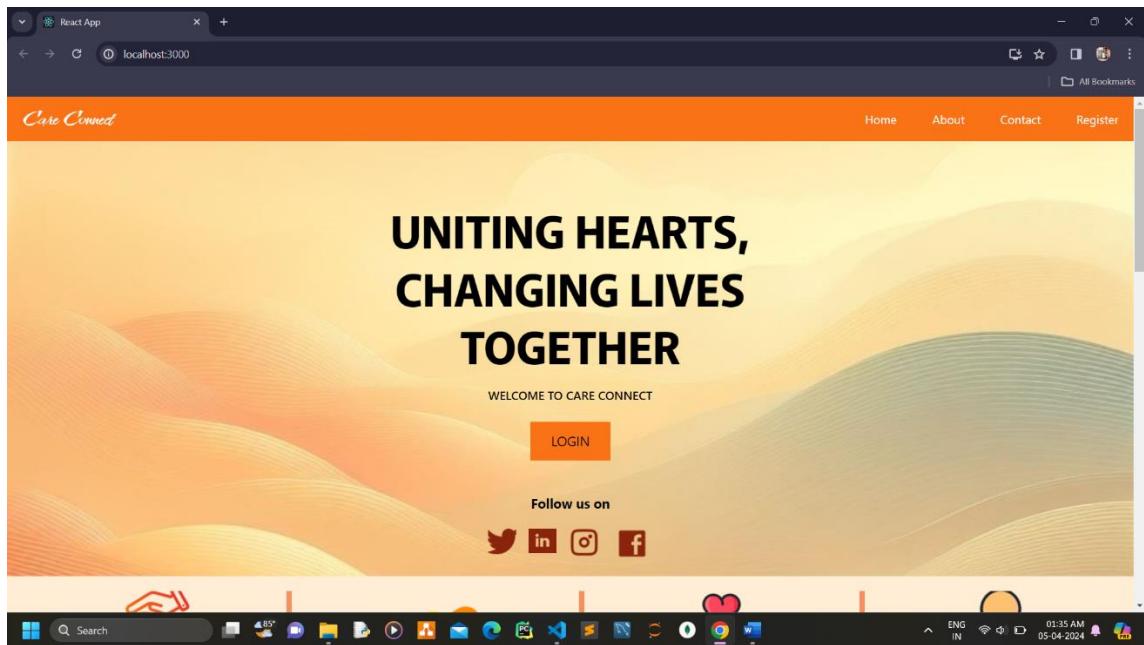
The project entitled “Care Connect” marks a significant step forward in revolutionizing the donation process. Going beyond the conventional methods, this digital platform embraces a user-friendly interface, expanding the connections between orphanages, organizations and users. By addressing the challenges encountered by both charitable organizations and users, this platform streamlines operations and fosters greater collaboration within communities. Through its user-friendly interface and transparent communication channels, Care Connect not only enhances efficiency and effectiveness but also promotes a sense of unity and shared responsibility.

By making it easy for people to connect and helping them contribute in a meaningful way, Care Connect shows the kindness and care we have for others and brings people together to make a positive impact on the lives of those in need.

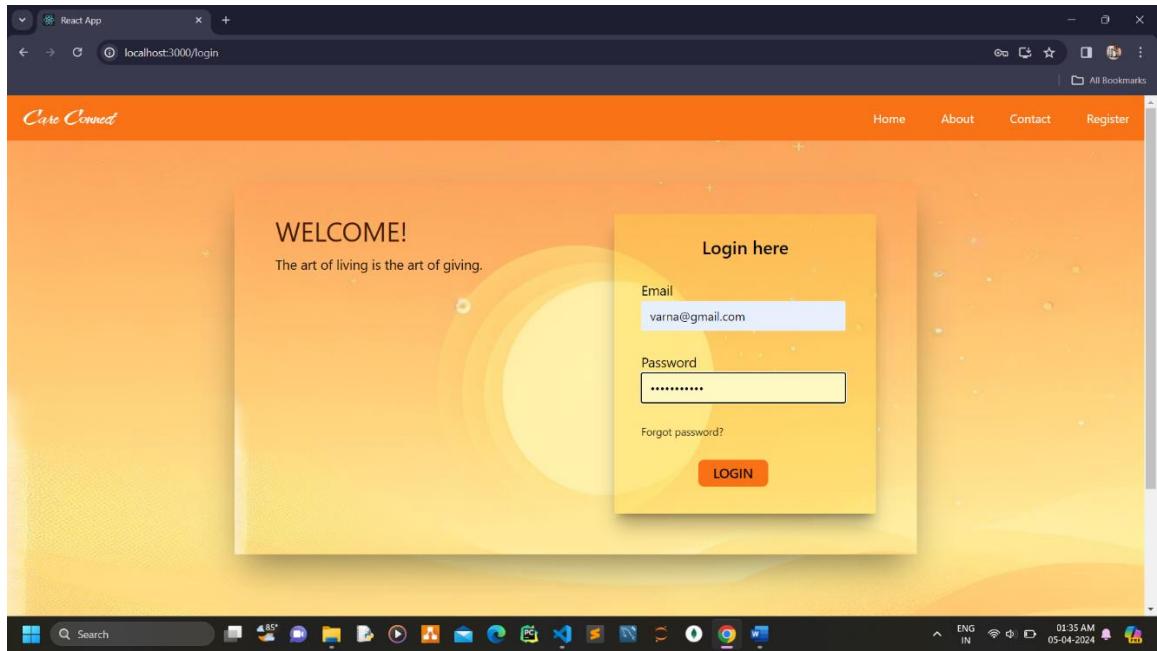
APPENDIX

12.APPENDIX

Landing page



Login page



User registration

USER REGISTRATION

Name		Age	
Email		Phone no.	
House Name		Post office	
Pin		District	
Password		Confirm password	

REGISTER

Orphanage registration

ORPHANAGE REGISTRATION

Name		Email	
Phone no.		Place	
Post office		Pin	
District		Founding year	
License no.		License	Choose File No file chosen
Password		Confirm Password	

REGISTER

Organization registration

ORGANIZATION REGISTRATION

Name

Email

Phone no.

Place

Post office

Pin

District

Founding year

License no.

License Choose File No file chosen

Password

Confirm Password

REGISTER

Admin home page

Welcome to Care Connect

Unite for good
Take action,
DONATE TODAY

We help the helpless to survive these hard time. In a world where single act of kindness can spark a chain reaction of positivity your donation holds immense power.

Admin view users

The screenshot shows the 'Admin' view for users. The left sidebar has a 'Products' icon highlighted. The main area is titled 'USERS' and displays a single record:

SL NO.	NAME	AGE	EMAIL	PHONE NO.	ADDRESS
1	varna	22	varna@gmail.com	8113048033	varippurath p.o kommeri pin:673007 calicut

Admin view products

The screenshot shows the 'Admin' view for products. The left sidebar has a 'Products' icon highlighted. The main area is titled 'PRODUCTS' and displays four items:

SL NO.	PRODUCT	CATEGORY	COUNT	IMAGE	USER
1	Frock	dress	4		varna
2	Backpack	bags	7		varna
3	shoes	shoes	2		varna
4	Story book	books	10		varna

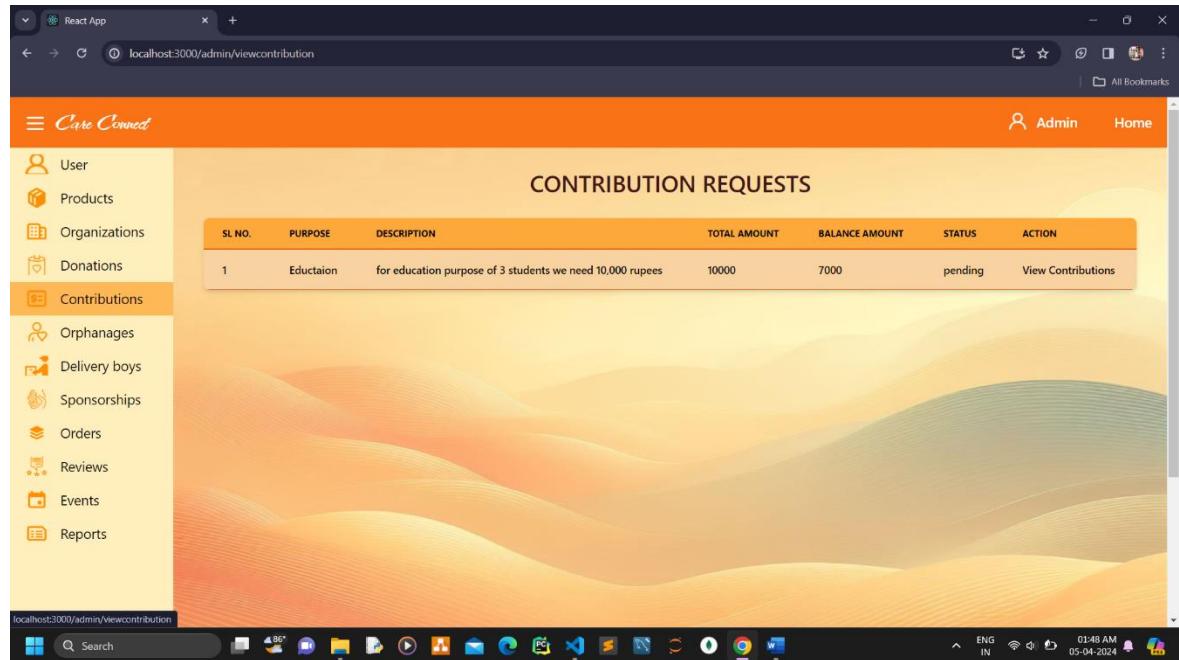
Admin view organizations

SL NO.	NAME	LICENSE NO	LICENSE	EMAIL	PHONE NO.	ADDRESS	STATUS	ACTION
1	Thanal charity organization	HYX4005	C:\fakepath\dcb1ca484d7d82f48f3eab25c3d49e68.jpg	org@gmail.com	8223856925	palakkottuvayil PO chelavoor Pin:673571 calicut	Accepted	Accept Reject

Admin view donations

SL NO.	PRODUCT NAME	COUNT	ORGANIZATION	ORGPHANAGE	STATUS
1	dress	10	Thanal organization	Free birds orphanage	pending
2	bagsssss	566	Thanal organization	Free birds orphanage	pending

Admin view contribution request

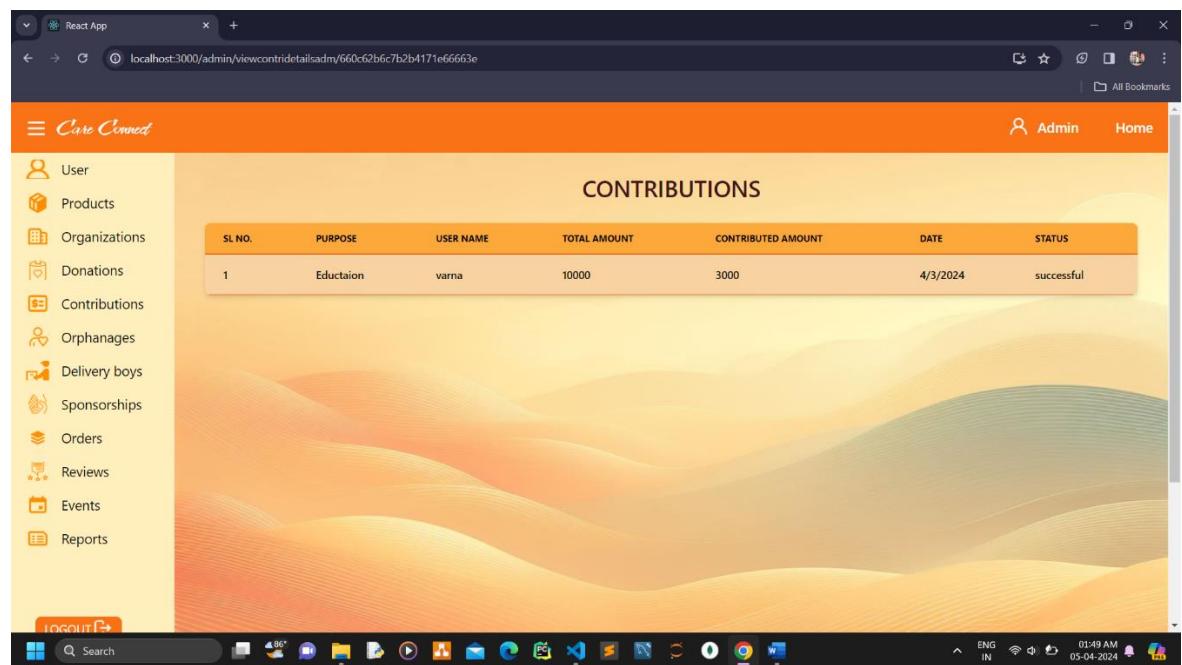


The screenshot shows the 'CONTRIBUTION REQUESTS' section of the Care Connect Admin dashboard. On the left, a sidebar menu lists various categories: User, Products, Organizations, Donations, Contributions (which is selected and highlighted in orange), Orphanages, Delivery boys, Sponsorships, Orders, Reviews, Events, and Reports. The main content area has a yellow gradient background with the title 'CONTRIBUTION REQUESTS'. A table displays one record:

SL NO.	PURPOSE	DESCRIPTION	TOTAL AMOUNT	BALANCE AMOUNT	STATUS	ACTION
1	Educaiton	for education purpose of 3 students we need 10.000 rupees	10000	7000	pending	View Contributions

The browser address bar shows 'localhost:3000/admin/viewcontribution'. The system status bar at the bottom indicates '01:48 AM 05-04-2024'.

Admin view contributions



The screenshot shows the 'CONTRIBUTIONS' section of the Care Connect Admin dashboard. The sidebar menu is identical to the previous screenshot. The main content area has a yellow gradient background with the title 'CONTRIBUTIONS'. A table displays one record:

SL NO.	PURPOSE	USER NAME	TOTAL AMOUNT	CONTRIBUTED AMOUNT	DATE	STATUS
1	Educaiton	varna	10000	3000	4/3/2024	successful

The browser address bar shows 'localhost:3000/admin/viewcontributiondetailsadm/660c62b6c7b2b4171e66663e'. The system status bar at the bottom indicates '01:49 AM 05-04-2024'.

Admin view orphanges

The screenshot shows the 'Orphanages' section of the Care Connect Admin dashboard. The left sidebar has 'Orphanages' selected. The main area title is 'ORPHANAGES'. A search bar at the top right includes a dropdown for 'All categories' and a search input with a magnifying glass icon. Below is a table with columns: SL NO., NAME, LICENSE NO., LICENSE, EMAIL, PHONE NO., ADDRESS, STATUS, and ACTION. One row is shown for 'Free birds orphanage'.

SL NO.	NAME	LICENSE NO.	LICENSE	EMAIL	PHONE NO.	ADDRESS	STATUS	ACTION
1	Free birds orphanage	ADC50098	C:\fakepath\IMG_20240325_102455.jpg	orph@gmail.com	7025314824	Mananchira P.O puthya stand pin:673001 calicut	Accepted	Accept Reject

Admin view delivery boys

The screenshot shows the 'Delivery boys' section of the Care Connect Admin dashboard. The left sidebar has 'Delivery boys' selected. The main area title is 'DELIVERY BOYS'. A search bar at the top right includes a dropdown for 'All categories' and a search input with a magnifying glass icon. Below is a table with columns: SL NO., NAME, AGE, EMAIL, PHONE NO., ADDRESS, and ORGANIZATION. One row is shown for 'abhi'.

SL NO.	NAME	AGE	EMAIL	PHONE NO.	ADDRESS	ORGANIZATION
1	abhi	25	dboy@gmail.com	7025215712	nangari punathil P.O komperi pin:673007 calicut	Thanal charity organization

Admin view sponsorships

The screenshot shows a web application interface titled "Care Connect". The left sidebar contains a navigation menu with items like User, Products, Organizations, Donations, Contributions, Orphanages, Delivery boys, Sponsorships, Orders, Reviews, Events, and Reports. The "Sponsorships" item is currently selected and highlighted in orange. The main content area is titled "SPONSORSHIP HISTORY" and displays a table with one row of data. The table columns are SL NO., EVENT NAME, ORPHANAGE, ORGANIZATION, PURPOSE, and STATUS. The data in the table is as follows:

SL NO.	EVENT NAME	ORPHANAGE	ORGANIZATION	PURPOSE	STATUS
1	Annual day	Free birds orphanage	Thanal charity organization	food	Accepted

Admin view orders

The screenshot shows a web application interface titled "Care Connect". The left sidebar contains a navigation menu with items like User, Products, Organizations, Donations, Contributions, Orphanages, Delivery boys, Sponsorships, Orders, Reviews, Events, and Reports. The "Orders" item is currently selected and highlighted in orange. The main content area is titled "ORDERS" and displays a table with two rows of data. The table columns are SL NO., USER, ORGANIZATION, PRODUCT, IMAGE, CATEGORY, COUNT, DATE, and STATUS. The data in the table is as follows:

SL NO.	USER	ORGANIZATION	PRODUCT	IMAGE	CATEGORY	COUNT	DATE	STATUS
1	varma	LCT ORG	Frock		dress	6	12/03/2020	pending
2	varma	LCT ORG	Backpack		bags	6	12/03/2020	pending

Admin view events

The screenshot shows the 'Events' section of the Care Connect Admin dashboard. On the left, there's a sidebar with various menu items like User, Products, Organizations, Donations, Contributions, Orphanages, Delivery boys, Sponsorships, Orders, Reviews, Events (which is highlighted), and Reports. The main area has a title 'EVENTS' and a table with columns: SL NO, ORGANIZATION, EVENT, DATE, TIME, VENUE, and ACTION. There are two entries in the table:

SL NO	ORGANIZATION	EVENT	DATE	TIME	VENUE	ACTION
1	Free birds orphanage	Annual day	2024-04-18	07:30	abc auditorium	View sponsorships
2	Free birds orphanage	Children's day	2024-11-14	10:30	orphanage	View sponsorships

Organization view and edit profile

The screenshot shows the 'Edit your profile' page for an organization. The sidebar on the left includes Profile (which is highlighted), Products, Orphanages, Donations, Delivery boy, Requests, Events, Cart, Reports, Orders, Reviews, and Sponsorships. The main form has fields for Name (Thanal charity organization), Email (org@gmail.com), Phone no. (8223856925), Place (palakkottuvayil), Post office (chelavor), Pin (673571), District (calicut), Founding year (2001), License no. (HYX4005), Password (org), License (Choose File - No file chosen), and Confirm Password (org). At the bottom are 'LOGOUT' and 'UPDATE' buttons.

Organization view products

The screenshot shows the 'Products' section of the Care Connect application. On the left is a sidebar with icons for Profile, Products (which is selected), Orphanages, Donations, Delivery boy, Requests, Events, Cart, Reports, Orders, Reviews, and Sponsorships. Below the sidebar is a 'Logout' button. The main area is titled 'PRODUCTS' and features a search bar with a 'Search' button. Below the search bar are six small boxes labeled 'Books', 'Dresses', 'Toys', 'Bags', 'Shoes', and 'Others', each with a corresponding image. Below these are four larger images labeled 'Frock', 'Backpack', 'shoes', and 'Story book'. The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Organization view product details

The screenshot shows the details for a product named 'Frock'. The left sidebar is identical to the previous screenshot. The main content area features a large image of a white dress with purple rose patterns. To the right of the image, the word 'Frock' is displayed in bold. Below it, the text 'Category : dress' and 'Count : 4' is shown. Under the heading 'OWNER'S DETAILS', there is information about the owner: 'Name : varna', 'Address : varippurath P.O kommeri pin:673007 calicut'. Below this, a 'Choose quantity:' section shows a value of '2' with minus and plus buttons. At the bottom is an orange 'ADD TO CART' button. The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Organization view orphanage

The screenshot shows the Care Connect application interface. The left sidebar has a navigation menu with icons for Profile, Products, Orphanages, Donations, Delivery boy, Requests, Events, Cart, Reports, Orders, Reviews, and Sponsorships. The main content area displays information for "Free birds orphanage". It includes a contact number (7025314824), email (orph@gmail.com), and address (Mananchira, P.O puthya stand, pin:673001, calicut). A "View reports" button is present. Below this, there are two sections for "EVENTS": "Annual day" (abc auditorium, 2024-04-18, 07:30) and "Children's day" (orphanage, 2024-11-14, 10:30). The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Organization view delivery boys

The screenshot shows the Care Connect application interface. The left sidebar has a navigation menu with icons for Profile, Products, Orphanages, Donations, Delivery boy, Requests, Events, Cart, Reports, Orders, Reviews, and Sponsorships. The main content area displays a table titled "DELIVERY BOYS". The table has columns: SL NO., NAME, AGE, EMAIL, PHONE NO., ID NO., ID PROOF, ADDRESS, and ACTION. One row is shown for "abhi" (SL NO. 1), with details: Age 25, Email dboy@gmail.com, Phone 7025215712, ID No. A7047, and Address nangari punathil P.OKommeri Pin:673007 calicut. An "ADD" button is located above the table. The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Organization add delivery boys

ADD NEW DELIVERY BOY

Name	Age
Phone no.	Email
House name	Post office
Pin	District
ID no.	ID Proof <input type="button" value="Choose File"/> No file chosen
Password	Confirm Password

ADD

Organization view donation requests

DONATION REQUESTS

SL NO.	ORPHANAGE	PRODUCT	COUNT	STATUS	ACTION
1	Free birds orphanage	dress	10	Accepted	Accept Reject
2	Free birds orphanage	bagsssss	566	Accepted	Accept Reject

Organization view events

The screenshot shows the 'Events' section of the Care Connect application for an organization. The left sidebar has a 'Events' item selected. The main area displays a table titled 'EVENTS' with two rows of event data.

SL NO.	ORPHANAGE	EVENT	VENUE	DATE	TIME	STATUS	ACTION
1	Free birds orphanage	Annual day	abc auditorium	2024-04-18	07:30	pending	<button>Sent sponsorship request</button>
2	Free birds orphanage	Children's day	orphanage	2024-11-14	10:30	pending	<button>Sent sponsorship request</button>

Organization send sponsorship requests

The screenshot shows the 'Sponsorship Details' section for the 'Free birds orphanage'. The left sidebar has a 'Sponsorships' item selected. The right side shows the contact information for the orphanage and the details of the event. A red callout box labeled 'SPONSORSHIP DETAILS' contains a text input field with 'food' and a 'SENT REQUEST' button.

Free birds orphanage

7025314824
orph@gmail.com
Mananchira
P.O puthya stand
pin:673001
calicut

EVENTS DETAILS

Annual day

Venue: abc auditorium
Date:2024-04-18
Time:07:30

SPONSORSHIP DETAILS

Purpose

SENT REQUEST

Organization view cart

CART

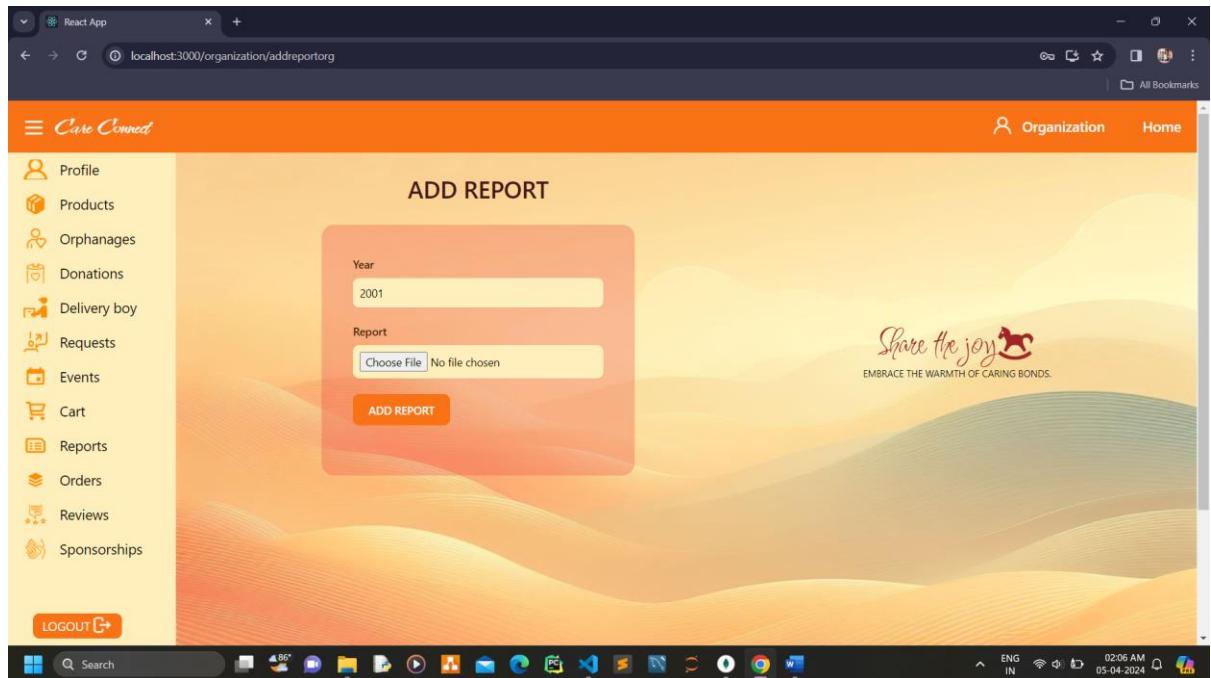
Backpack
varma
Count: 7

ORDER NOW

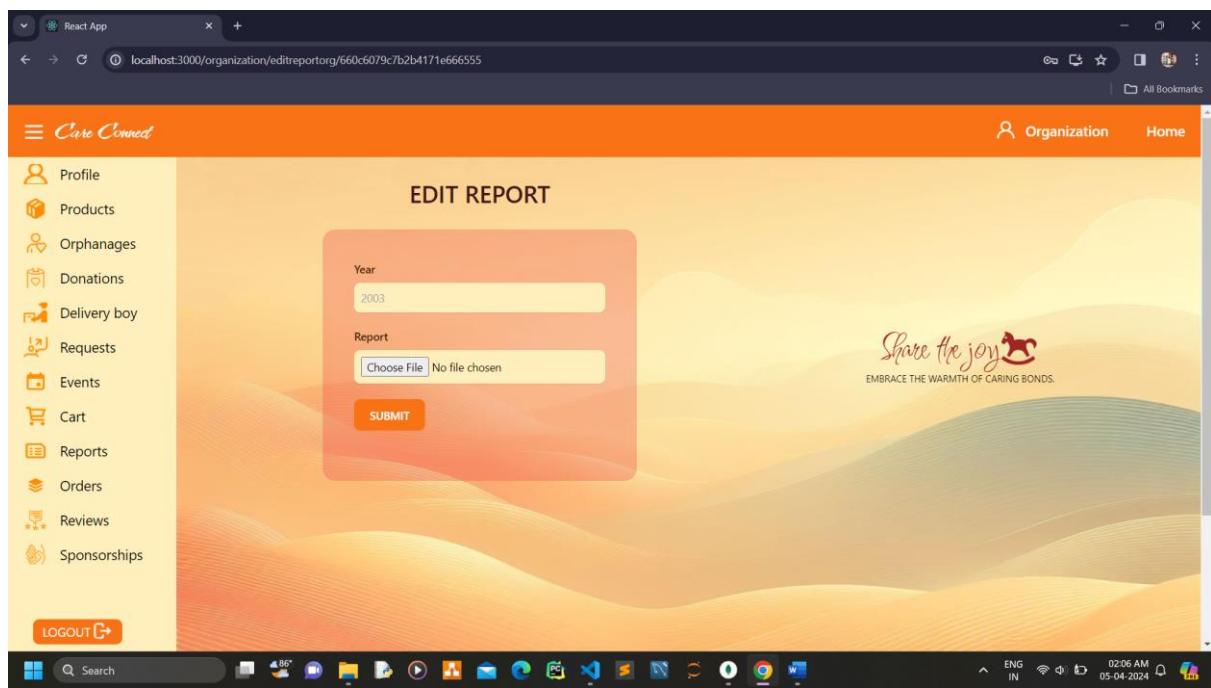
Organization view report

SL NO.	YEAR	REPORT	ACTION
1	2003	1712087161586daa dec 2022.pdf	

Organization add reports



Organization edit reports



Organization view orders

ORDERS

SL NO	OWNER	ADDRESS	PRODUCT	CATEGORY	IMAGE	COUNT	DATE	STATUS	ACTION	DELIVERY BOY
1	varma	varippurath P.O kommeri pin:673007	Frock	dress		3	2024-04-20	assigned	<input type="checkbox"/>	abhi
2	varma	varippurath P.O kommeri pin:673007	Backpack	bags		2	2024-04-10	Accepted	<input type="checkbox"/>	abhi

Organization view reviews

REVIEWS

SL NO.	ORPHANAGE	REVIEW
1	Free birds orphanage	provided all the necessary items on time

Organization view sponsorships

The screenshot shows the 'Sponsorships' section of the Care Connect application. On the left, there is a sidebar with various navigation options: Profile, Products, Orphanages, Donations, Delivery boy, Requests, Events, Cart, Reports, Orders, Reviews, and Sponsorships. The 'Sponsorships' option is selected and highlighted in orange. The main content area has a header 'SPONSORSHIPS'. Below the header is a table with one row of data:

SL NO.	EVENT NAME	ORPHANAGE	PURPOSE	STATUS
1	Annual day	Free birds orphanage	food	Accepted

The status bar at the bottom indicates the system is in English (ENG IN), connected to Wi-Fi (ID), and the date and time are 05-04-2024 02:08 AM.

Orphanage view and edit profile

The screenshot shows the 'Edit your profile' page for an orphanage. The left sidebar includes options: Profile (selected and highlighted in orange), Organizations, Donations, Contributions, Events, Sponsorships, Requests, and Reports. The main area is titled 'Edit your profile' and contains form fields for updating the orphanage's information:

- Name: Free birds orphanage
- Email: orph@gmail.com
- Phone no.: 7025314824
- Place: Mananchira
- Post office: puthya stand
- Pin: 673001
- District: calicut
- Founding year: 1998
- License no.: ADC50098
- License: Choose File | No file chosen
- Password: orph
- Confirm Password: orph

A large orange 'UPDATE' button is located at the bottom right of the form. The status bar at the bottom indicates the system is in English (ENG IN), connected to Wi-Fi (ID), and the date and time are 05-04-2024 02:10 AM.

Orphanage view organization

The screenshot shows the 'Thanal charity organization' page. On the left sidebar, there are links for Profile, Organizations, Donations, Contributions, Events, Sponsorships, Requests, and Reports. The main content area displays the organization's name, contact information (phone number 8223856925, email org@gmail.com, address palakkottuvayil P.O chelavoor pin:673571 calicut), and a review section. A review from 'ADS orph' states: 'provided all the necessary items on time'. To the right is a large image of two smiling children running in a field with the text 'Share the joy! EMBRACE THE WARMTH OF CARING BONDS.' Below the image is a Windows taskbar with various icons and system status.

Orphanage add review

The screenshot shows the 'ADD REVIEW' form for the 'Thanal charity organization'. The form has a text input field containing the text 'very nice service' and a 'ADD REVIEW' button. The rest of the page is identical to the 'view organization' page, featuring the sidebar with various links and the same background image of children running.

Orphanage view donations

DONATIONS

SL NO.	PRODUCT	COUNT	ORGANIZATION	STATUS
1	dress	10	Thanal organization	Accepted
2	bagsssss	566	Thanal organization	Accepted

Orphanage view contribution requests

CONTRIBUTION REQUESTS

SL NO.	PURPOSE	DESCRIPTION	AMOUNT	BALANCE AMOUNT	STATUS	ACTION
1	Eductaion	for education purpose of 3 students we need 10,000 rupees	10000	7000	pending	View Contributions Delete request

Orphanage view contributions

SL NO.	PURPOSE	USER NAME	TOTAL AMOUNT	CONTRIBUTED AMOUNT	DATE	STATUS
1	Educaion	varma	10000	7000	4/3/2024	successful

Orphanage add contribution request

Orphanage view events

SL NO.	VENUE	DATE	TIME	ACTION	REQUESTS
1	Annual day	2024-04-18	07:30		View requests
2	Children's day	2024-11-14	10:30		View requests

Orphanage add events

Orphanage view sponsorship history

SPONSORSHIP HISTORY

SL NO.	EVENT	ORGANIZATION	PURPOSE	STATUS
1	Annual day	Thanal charity organization	food	Accepted

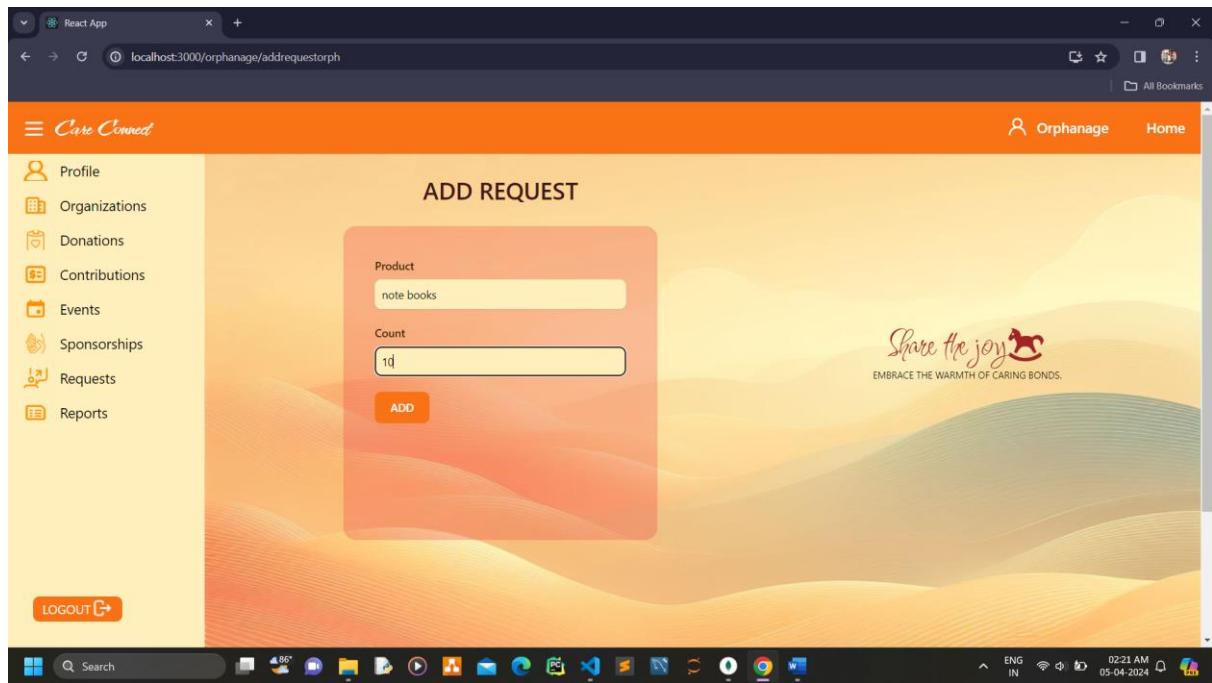
Orphanage view donation requests

DONATION REQUESTS

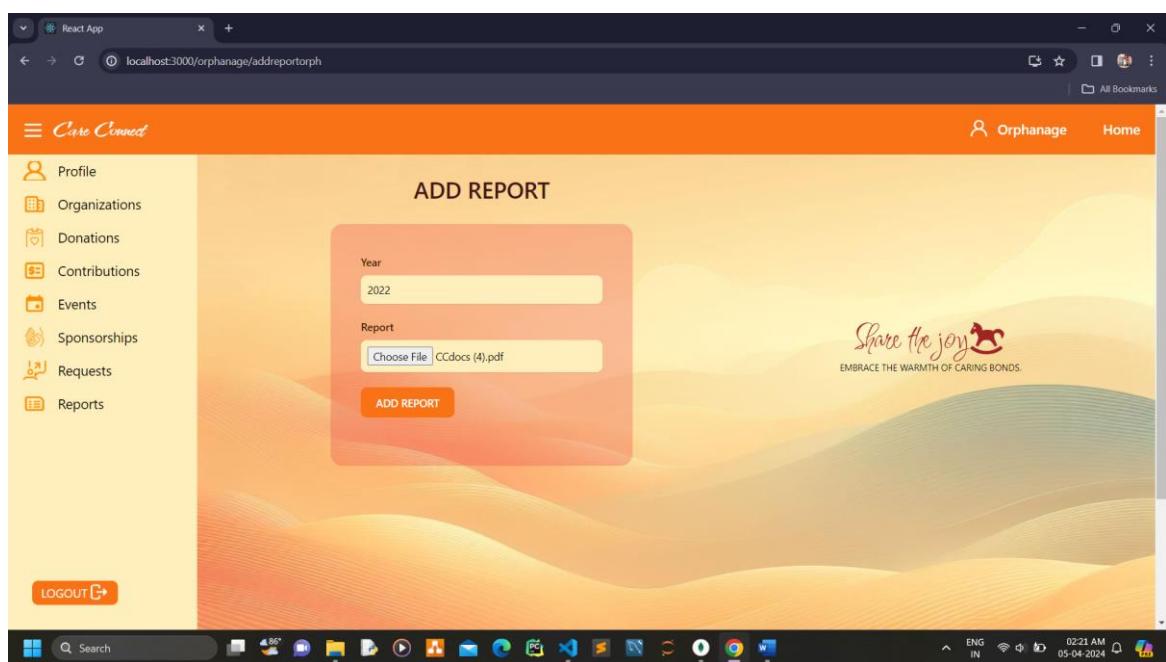
POST REQUEST

SL NO.	PRODUCT	COUNT	STATUS	ORGANIZATION	ACTION
1	dress	10	Thanal organization	Accepted	
2	bagsssss	566	Thanal organization	Accepted	

Orphanage add donation requests



Orphanage add report



Orphanage view report

SL NO.	YEAR	REPORT	ACTION
1	2022	1712263944145CCdocs (4).pdf	

User view and edit profile

Edit your profile

Name	varna	Age	22
Email	varna@gmail.com	Phone no.	8113048033
House Name	varippurath	Post office	kommeri
Pin	673007	District	calicut
Password	varna	Confirm password	varna

UPDATE

User view products

SL NO.	PRODUCT NAME	CATEGORY	COUNT	IMAGE	ACTION
0	Frock	dress	4		
1	Backpack	bags	7		
2	shoes	shoes	2		
3	Story book	books	10		

User add products

Add product

Name

Category

Image

Count

ADD PRODUCT

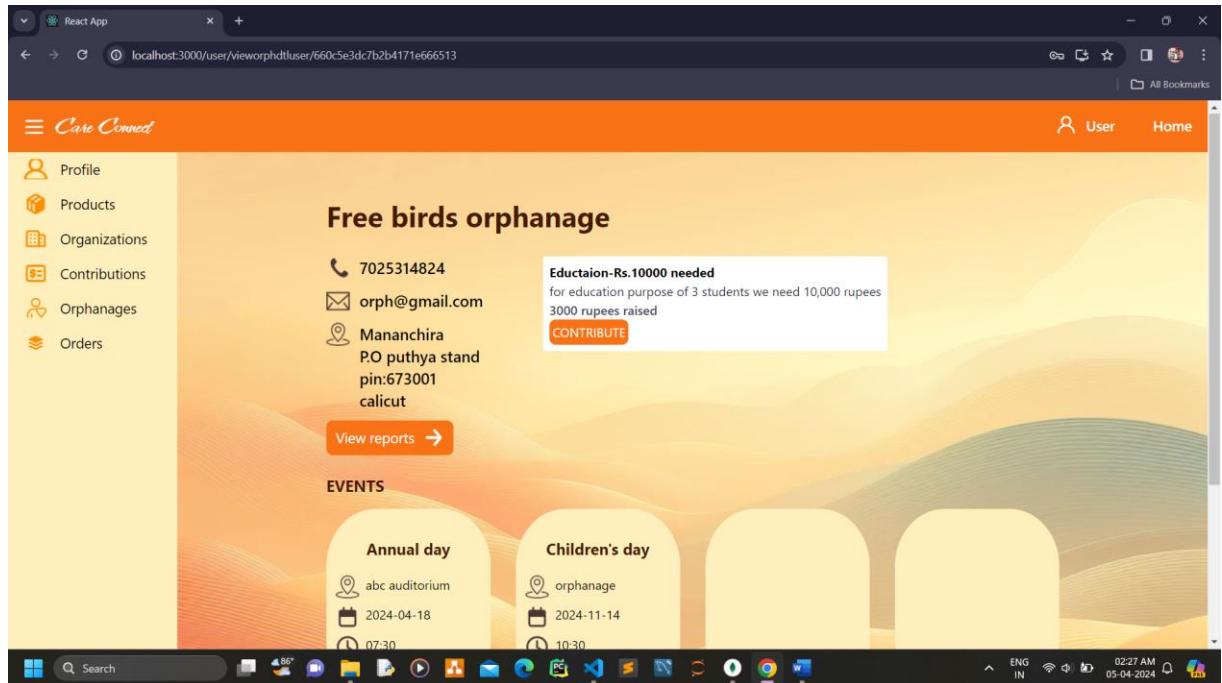
User view organizations

The screenshot shows a web browser window for 'React App' at localhost:3000/user/vieworgdtluser/660c5ea3c7b2b4171e666515. The page title is 'Care Connect'. The left sidebar has links for Profile, Products, Organizations, Contributions, Orphanages, and Orders. The main content area displays the details for 'Thanal charity organization', including its name, contact number (8223856925), email (org@gmail.com), address (palakkottuvayil P.O chelavoor pin673571 calicut), and a button to 'View reports'. A review from 'ADS orph' is shown: 'provided all the necessary items on time'. To the right is a large image of two children running in a field with the text 'Share the joy! EMBRACE THE WARMTH OF CARING BONDS.' and a rocking horse icon.

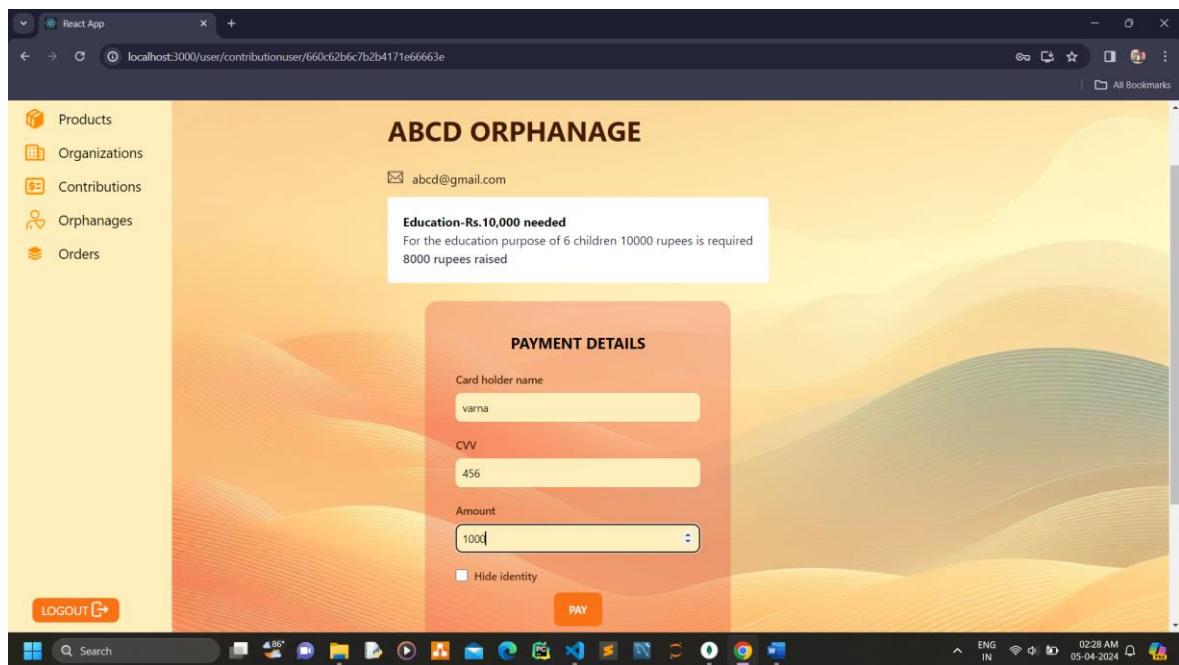
User view contributions

The screenshot shows a web browser window for 'React App' at localhost:3000/user/viewcontributionuser. The page title is 'Care Connect'. The left sidebar has links for Profile, Products, Organizations, Contributions (which is highlighted in orange), Orphanages, and Orders. The main content area shows a table titled 'CONTRIBUTIONS' with one row of data. The table columns are SL NO., ORPHANAGE, PURPOSE, DESCRIPTION, AMOUNT, DATE, and STATUS. The data row is: SL NO. 1, ORPHANAGE Free birds orphanage, PURPOSE Eductaion, DESCRIPTION for education purpose of 3 students we need 10,000 rupees, AMOUNT 3000, DATE 4/3/2024, and STATUS successfull. At the bottom left is a 'LOGOUT' button.

User view orphanages



User provide contribution



User view orders

SL NO.	ORGANIZATION	PRODUCT	CATEGORY	COUNT	IMAGE	DATE	STATUS	ACTION
1	Thanal charity organization	Frock	dress	3		2024-04-20	Accepted	Delivery boy :abhi Phone no: 7025251712
2	Thanal charity organization	Backpack	bags	2		2024-04-10	Accepted	Delivery boy :abhi Phone no: 7025251712

Delivery boy view and edit profile

Delivery boy update order status

The screenshot shows a web browser window for 'React App' at 'localhost:3000/deliveryboy/vieworderdeliveryb'. The page has an orange header with the 'Care Connect' logo and navigation links for 'Deliveryb', 'Home', 'Orders', 'Donations', and 'Logout'. Below the header is a table titled 'ORDERS' with columns: SL NO., USER, PRODUCT, COUNT, IMAGE, ADDRESS, PHONE NO., DATE, STATUS, and ACTION. Order 1 (SL NO. 1) is for 'varma' with product 'Frock', count 3, address 'varippurath PO kommeri pin:673007 calicut', phone 8113048033, date 2024-04-20, status 'Accepted', and an open 'Update status' dropdown menu showing 'Out for pick up', 'Picked', 'Quality check failed', and 'Delivered'. Order 2 (SL NO. 2) is for 'varma' with product 'Backpack', count 2, address 'varippurath PO kommeri pin:673007 calicut', phone 8113048033, date 2024-04-10, status 'Accepted', and an open 'Update status' dropdown menu. The bottom of the screen shows a Windows taskbar with various icons and system status.

SL NO.	USER	PRODUCT	COUNT	IMAGE	ADDRESS	PHONE NO.	DATE	STATUS	ACTION
1	varma	Frock	3		varippurath PO kommeri pin:673007 calicut	8113048033	2024-04-20	Accepted	Update status Out for pick up Picked Quality check failed Delivered
2	varma	Backpack	2		varippurath PO kommeri pin:673007 calicut	8113048033	2024-04-10	Accepted	Update status

Delivery boy update donation status

The screenshot shows a web browser window for 'React App' at 'localhost:3000/deliveryboy/viewdonatndeliveryb'. The page has an orange header with the 'Care Connect' logo and navigation links for 'Deliveryb', 'Home', 'Orders', 'Donations', and 'Logout'. Below the header is a table titled 'DONATIONS' with columns: SL NO., PRODUCT, COUNT, ORPHANAGE, ADDRESS, PHONE NO., DATE, STATUS, and ACTION. There is one entry: '1.' for 'Book', count 2, orphanage 'ABgG org', address 'puthiyottil, puthiyangadi, calicut-9', phone 8606574318, date 12/3/2023, status 'Accepted', and an open 'Update status' dropdown menu showing 'Out for delivery' and 'Delivered'. The bottom of the screen shows a Windows taskbar with various icons and system status.

SL NO.	PRODUCT	COUNT	ORPHANAGE	ADDRESS	PHONE NO.	DATE	STATUS	ACTION
1.	Book	2	ABgG org	puthiyottil, puthiyangadi, calicut-9	8606574318	12/3/2023	Accepted	Update status Out for delivery Delivered

BIBLIOGRAPHY

13.BIBLIOGRAPHY

Websites

- [1] <https://bootstrapmade.com/onepage-multipurpose-bootstrap-template>
- [2] <https://developer.mozilla.org/en-US/docs/Web/HTML>
- [3] <https://developer.mozilla.org/en-US/docs/Web/CSS>
- [4] <https://nodejs.org/en/docs>
- [5] <https://www.mongodb.com/docs>

Books

- [1] Thomas A Powell, Fritz Schneider, "JavaScript: The Complete Reference", 3rd Edition, Tata McGraw Hill
- [2] Pro MERN Stack: Full Stack Web App Development with Mongo, Express, React, and Node" by Vasan Subramanian
- [3] Code complete: a practical handbook of software construction by Steve McConnell, Microsoft Press, 2nd Edition(2004).
- [4] Full Stack Development with JHipster: Build scalable and maintainable web applications using the MERN stack" by Deepu K Sasidharan and Sendil Kumar N
- [5] Full Stack JavaScript: Learn Backbone.js, Node.js, and MongoDB" by Azat Mardan