Software Requirements Specification

Baby Care System

A System to Make Parents Aware About Vaccinations

Version 3.0

April 19, 2024

Team MCK

Department of Computing & Information Systems
Faculty of Computing
Sabaragamuwa University of Sri Lanka

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1. Team Members

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2. Introduction

2.1 Purpose

The purpose of this document is to outline the requirements for developing **Baby care system** especially for Sri Lanka. Through this system, it aims to make easy day to day works of Midwives.

2.2 Intended Audience

The Intended audience for this document includes newly married couples, Mothers, and Midwives that engage in the project.

2.3 Scope

The scope of this project includes the design, development, implementation, and maintenances of the system that send notifications about vaccination dates and vaccination details.

3. Overall Description

3.1 Product Functions

- Provide a fully automatic system for Public Health Midwifes to inform about baby injection dates to their patients (mothers of baby's) before a week.
- Information about Injections.
- Certificates about Injections.
- A list of Side effects that can occur because of avoiding from injections.

3.2 User characteristics

Midwives: users who are responsible for providing the service to the mothers and babies.

Mother/ babies: The users who are expecting information about the vaccination dates and vaccination information.

4. System Requirements

4.1 Functional Requirements

Functional requirements describe the specific tasks the system must perform to meet user needs. It includes,

- User authentication
- Notification system

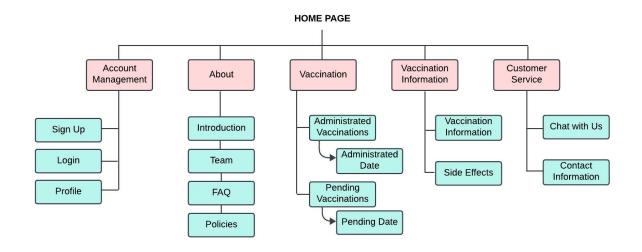
4.2 Non-functional requirements

Non-functional requirements show scenarios that can be used to assess system functionality. It includes,

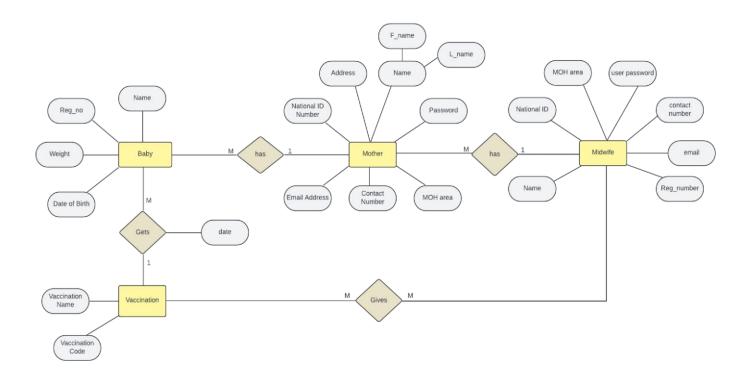
- Security: A proper security system should be used to protect user data.
- Reliability: The system should be dependable with reduced downtime.
- Usability: User interface should be easy to navigate.
- Performance: the system should manage many users at once.

5. System Design

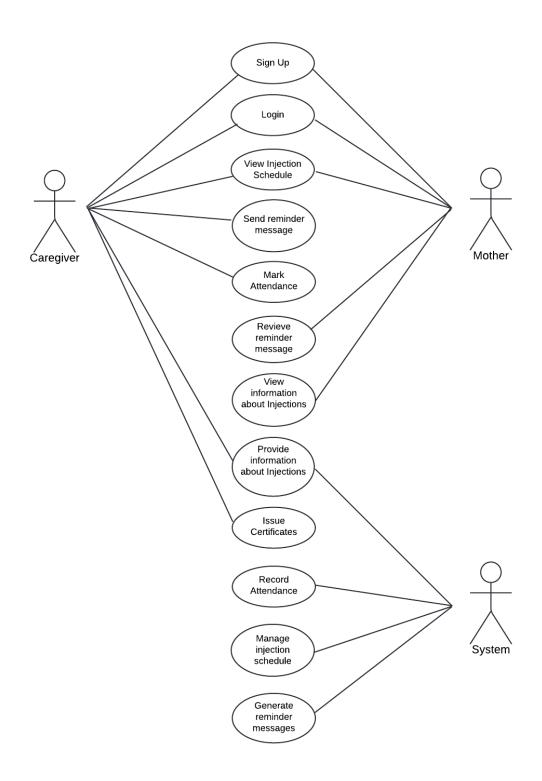
5.1 Site Map



5.2 ER Diagram



5.3 User Case Diagram



6. UI/UX Layout



Timely Injections for Healthy Beginnings



What is Baby Care

Welcome to Baby Care Reminder System, your reliable solution for staving on top of your baby's excitation schedule. Say goodly be to missed injections and unnecessary worriest Our automated system sends timely reminders to ensure your baby receives the necessary vaccinations, while also providing valuable information and support. Join us in safeguarding your baby's health and well-being every step of the way.

Vaccination Information

Stay informed and empowered with our vaccination information hub. Learn about the importance of vaccinations, recommended schedules for your baby's first year, and benefits of each vaccine. Access reliable resources to address concerns and make informed decisions about your child's health, ensuring their well-being with confidence.





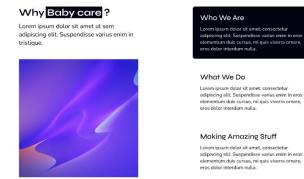
Let's start together.

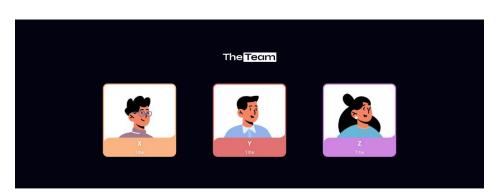




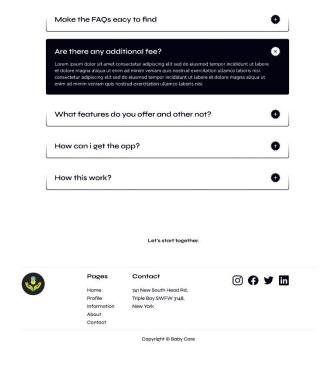
About Us

Whereby is the super simple way to connect over video. No downloads or long having into meeting links.





Find the Answers on Frequently Asked Questions



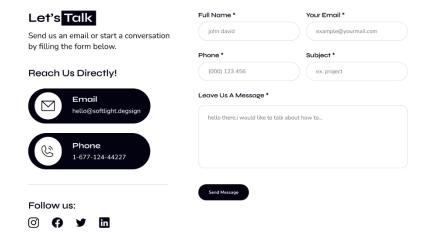






Contact Us

Feel like you need help? please feel free to contact us.



Let's start together.





Vaccination Information

Vaccinations



VaxiShield-9

Manufacturer BioGenHealth Pharmaceuticals
Typer mRNA Varcine
Recommended Dosage: Two doses, administered three weeks apart
Common Side Effects Mild sorances at injection afte fatigue, low-grade fever
Efficacy 95% effective against symptomatic COVID. 19 infection
Storage: Requires ultra-cold storage at -70°C (-94°F)
Authorized Age Group: 12 years and older
Approved Status; Emergency Use Authorization (EUA) by WHO and FDA
Additional Information: This vaccine has undergone rigorous clinical trials.
demonstrating high efficacy in preventing severe literies and reducing transmission
rates of COVID-19, its recommended for individuals who meet the authorized age
criteria and do not have contrainficiations to its components. Always consult with
healthcare professionals for personalized vaccination advice.



VaxiShield-9

Manufacturer BioGenHealth Pharmaceuticals
Type: mRNA Vaccine
Recommended Dosage: Two doses, atministered three weeks apart
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healthcare professionals for personalized vaccination advice.



VaxiShield-9

Adverse Consequences of Non-Administration

- Increased risk of preventable diseases like measles, flu, and COVID-19.
- Higher likelihood of spreading diseases to vulnerable populations.
- Weakening of community immunity, leading to outbreaks.
- $\ lackbox{\Large \bullet}$ Potential resurgence of eradicated diseases like polio. Economic burdens on healthcare systems.
- O Global health security risks due to interconnectedness.
- Legal consequences in some jurisdictions.
- Erosion of trust in public health measures.



Contact 741 New South Head Rd, Triple Bay SWFW 3148,

Newsletter



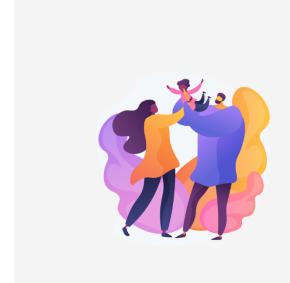
Welcome to Baby Care System

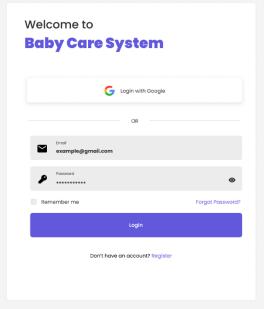
Are you a Parent or a Midwife

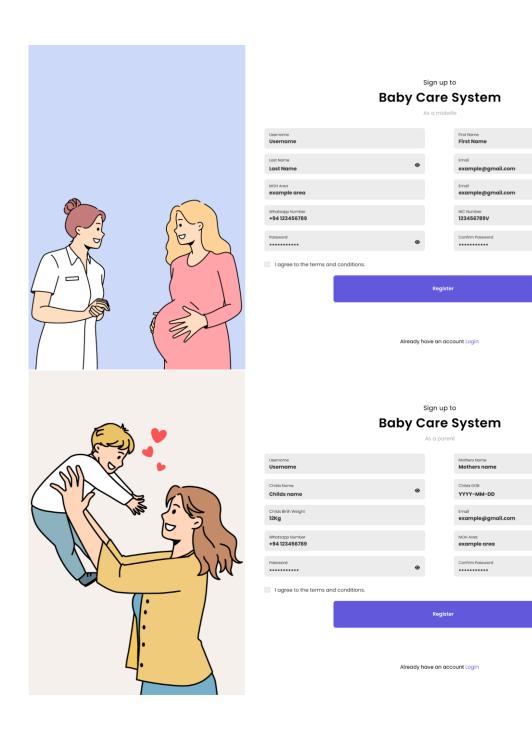
A Parent
I'm planning use the system.

A Midwife
I'm planning to provide service to parents.

















Jessica Sympson 🧳

NIC Number: 123456789V

MOH Area: Kandy

Email: example@gmail.com +94123456789 Whatsapp No:

Contact No: +94123456789



Child's Name



Child's Name

Let's start together.



Pages

Contact

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Profile Information About

Contact





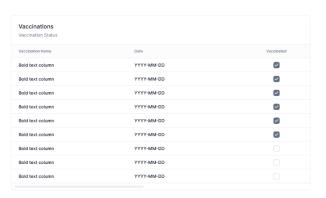






Child's Name

Date of Birth: YYYY/MM/DD Birth Weight: 12 Kg



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741 New South Head Rd, Profile Triple Bay SWFW 3148, Information New York

About Contact









Midwife Name

NIC Number: 123456789V

MOH Area: Kandy

Email: example@gmail.com +94123456789

Whatsapp No: Contact No: +94123456789

Parents List The Parents under yo	ur juristiction	
Parent Name ↓		
Bold text column		



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Pages Contact

Home Profile Information 741 New South Head Rd, Triple Bay SWFW 3148,

About Contact New York











Jessica Sympson

NIC Number: 123456789V

MOH Area: Kandy

Email: example@gmail.com

Whatsapp No:

+94123456789

Contact No: +94123456789



Child's Name



Child's Name

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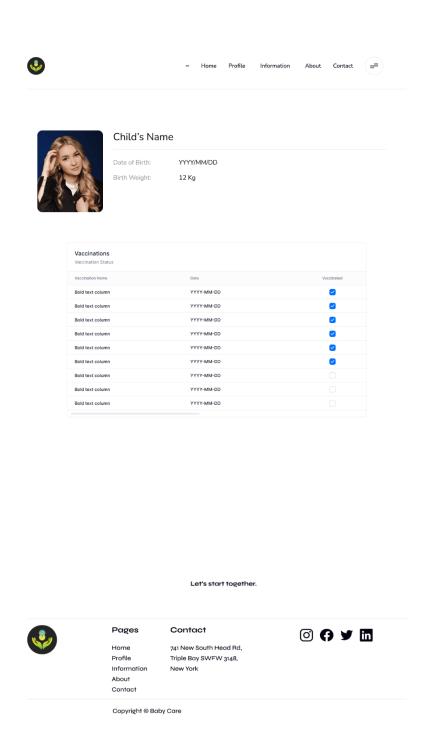
Triple Bay SWFW 3148, New York

Profile Information About

Contact







 $\label{limit} Figma\ File\ Link: $$\underline{\text{https://www.figma.com/file/B2HgBeNnZOLlU1ytTKccxu/Babycare-UI%2FUX?type=design&node-id=0\%3A1\&mode=design\&t=LABMzD9oxOrs1MEQ-1}$$