

**Software Requirements Specification**

**for**

**Newborn Child Wellness Record**

**Prepared by DevZ**

**Sabaragamuwa University Of Sri Lanka**

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**Revision History**

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# **Introduction**

## **Purpose**

*The Digital Newborn child wellness record serves as a secure and immutable electronic record of a child’s birth information, growth information, and vaccination providing a convenient and reliable means of child health and wellbeing. Track the baby’s growth milestones, ensuring they are developing at a healthy rate.*

*Digitizing this essential record, it enhances efficiency in administrative processes, facilitates seamless access to vital records, and ensures data integrity through safe precision methods, thereby modernizing and streamlining traditional paper-based workflows within governmental and organizational systems.*

*Provide a digital support system for parents, guiding them through the various stages of their newborn’s development.It also encourages preventive healthcare measures and early detection of potential health issues.*

## **Document Conventions**

*Fonts need to be a consistent font (such as Arial or Times New Roman) used throughout the document. Headings and subheadings are distinguished by size and boldness to indicate the hierarchy of information. Important terms and sections may be highlighted using bold or italicized text to draw attention to key elements. Special typographical conventions are needed for identifying each and every special thing. These conventions help ensure that the SRS (Software Requirements Specification) is clear, structured, and easily understandable, providing a solid foundation for the development and tracking of the newborn child wellness tracker*

## **Intended Audience and Reading Suggestions**

*The intended audience of this project will be parents, midwives, doctors, and hospitals.*

## **Project Scope**

*The web-application aims to provide a comprehensive digital platform for tracking and monitoring the health and developmental milestones of newborns. It serves as a centralized record-keeping system that benefits parents, healthcare providers, and researchers by offering real-time data on a child’s growth, vaccinations, nutrition, and other health parameters.*

***Objectives and Goals:***

* *To create an well optimized and user-friendly web-application that simplifies the management of newborn health data.*
* *To support early detection and intervention for potential health issues in newborns.*
* *To enhance the quality of child healthcare through accurate and timely health monitoring.*
* *To facilitate research and analysis of child health trends and outcomes.*

***Relation to Corporate Goals:***

* *The web application aligns with corporate goals of improving public health standards, advancing healthcare technology, and contributing to the well-being of communities.*

**References**

*List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.*

# **Overall Description**

## **Product Perspective**

*The newborn child wellness tracker is a new, self-contained product designed to integrate seamlessly into the existing ecosystem of healthcare technology. It is not a follow-on member of a product family nor a replacement for existing systems; rather, it is an innovative solution aimed at enhancing the monitoring and management of newborn health.*

*This web application contains two user interfaces. They are dedicated to parents and healthcare officials. When accessing the parent user interface, a Graphical presentation of growth rate,Details of newborn baby, Vaccination records, Clinical dates, and Common instructions for parents are shown respectively.*

*Then accessing the official’s interface, there are several specific functions such as updating vaccination records, updating the growth rate diagram and updating clinical dates*

## **Product Features**

*The newborn child wellness tracker, designed as a child health development record, encompasses several major features that facilitate comprehensive monitoring and support for the health and development of newborns*

* *Growth and Nutrition Monitoring*
* *Health Monitoring*
* *Parental Guidance*
* *Data Analysis and Reporting*
* *Community and Social Integration*
* *Data Security and Privacy*

## **User Classes and Characteristics**

***Parents/Caregivers:***

*They are the primary users interacting with the tracker on a daily basis. It contains especially growth and nutrition monitoring, health records, and educational resources.*

*It doesn’t need past experience, new parents or experienced caregivers, with features catering to both.*

***Administrators/Health Officials:***

*They are primarily used for data analysis and reporting. They also used data management, user access control, and system configuration. These officials need to understand complex data and system settings.*

**Operating Environment**

***Hardware Requirement:***

*Laptop (4GB ram)/Desktop(4GB ram)/Smart Mobile Device(with 2GB ram)*

***Software Requirement:***

*Windows 7 or above*

*Android version 9 or above*

*IOS version 10 or above*

*Web browser(chrome, safari, MS edge)*

## **Design and Implementation Constraints**

***UI/UXDesigning:***

* *Figma*

***Front-End Development:***

* *HTML*
* *CSS*
* *Bootstrap*
* *Javascript*

***Back-End Development:***

* *Mysql*
* *php*

## **User Documentation**

*<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>*

## **Assumptions and Dependencies**

*<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project, unless they are already documented elsewhere (for example, in the vision and scope document or the project plan).>*