

Manage Kids Project	Version: <4.0>
Software Requirements Specification	Date: 10/23/2022

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Revision History

Date	Version	Description	Author
11/10/2022	<1.0>	First Draft	Bae-Seong Min
20/10/2022	<2.0>	Add requirements 3.1.1.4, 3.1.1.5 Change system's name Edit Layout	Doan Thanh Hien
22/10/2022	<3.0>	Add requirements(3.1.6.2 ~ 3.1.6.7, 3.1.8 ~ 3.1.9) Delete original requirements(3.1.6.2, 3.1.6.3, 3.1.6.4)	Bae-Seong Min
22/10/2022	<4.0>	Add requirements (3.1.3 ~ 3.1.5) Delete a grammatical errors and overlap elements	Lee-Hyun Chul

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1. Introduction

The aim of this document is to gather and analyze and give an in-depth insight of the complete ManageKids software system by defining the problem statement in detail. The detailed requirements of the ManageKids are provided in this document.

1.1 Purpose

The purpose of the document is to collect and analyze assorted ideas that have come up to define the system, its requirements with respect to consumers.

In short, the purpose of this SRS document is to provide a detailed overview of the ManageKids software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. And this document aims to analyze what functions must be satisfied and the constraints that shouldn't be done, not how the system should be implemented.

1.2 Scope

Primarily, the scope pertains to the ManageKids product features. ManageKids allows you to manage all your child's information easily and efficiently. The school will manage all teachers. Teachers manage the classroom and provide materials for parents to see their children immediately after accessing. Of course, access is secured in a very private way and information is completely protected.

1.3 Definitions, Acronyms, and Abbreviations

SRS	Software Requirements Specification.
Class	It means an online class. The group with children, child's parents and teacher.
FAQ	Frequently Asked Questions.
Users	System users include principal, teachers, parents.
ID	Account ID.
Owner	Account owner, including principal, teachers, parents.
Kid's information	It includes the kid's name and class name which he/she belongs to.

1.4 References

The references are:

- ✓ 'Kids Note' Web address: <https://www.kidsnote.com/en>

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1.5 Overview

The remaining sections of this document provide a general description, including the product's hardware, functional and data requirements of the product. Section 2 gives an overall idea of the product. Section 3 gives the functional requirements, data requirements related to ManageKids . It also gives the user viewpoint of ManageKids . Section 4 is for supporting information.

2. Overall Description

This document contains the problem statement that the current must solve. And it also contains a list of stakeholders and users of the proposed solution. It concisely describes the features of the proposed system so stakeholders and users can understand the purpose and function of the system.

3. Specific Requirements

The specific requirements are that ManageKids project must check children's statements in real time, so that parents can check children's accidents and regulate their schedule. Also parents can communicate with teachers to tell them their children's requestment easily.

3.1 Functionality

This subsection contains the requirements for the ManageKids application. These requirements are organized by features divided by the user's group and the other. Specifically, we divide the users group mainly into 3 groups: teacher, parent, and principal. And there are common functional requirements which children, teacher and principal can use.

3.1.1 Utilizing the ManageKids Menu for Teachers.

- 3.1.1.1 The system shall display all the students' information list in a class.
- 3.1.1.2 The system shall allow the teacher to see the student's information in detail.
- 3.1.1.3 The system shall allow teacher to set up-attendance.
- 3.1.1.4 The system shall allow teacher to make temperature record.
- 3.1.1.5 The system shall allow teacher to check temperature record.
- 3.1.1.6 The system shall allow teacher to add one or more students to the class
- 3.1.1.7 The system shall allow teacher to move a student to another class.

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3.1.1.8 The system shall allow teacher to set up students' original information.

3.1.1.9 The system shall allow teacher to create and update the education program and schedule.

3.1.1.10 The system shall allow teacher to make notice and vote for a class.

3.1.1.11 The system shall allow teacher to make notice to all classes.

3.1.1.12 The system shall allow teacher to create voting.

3.1.1.13 The system shall allow teacher to check voting.

3.1.1.14 The system shall notify the teacher about any change in the current configuration.

3.1.1.15 The system shall allow teacher to make a report to parents.

3.1.1.16 The system shall allow teacher to attach pictures and share them on the class.

3.1.1.17 The system shall allow teacher to check whether the spelling and the word spacing was wrong and correct them when posting.

3.1.1.18 The system shall allow teacher to see the report list.

3.1.2 Utilizing the ManageKids Menu for Parents.

3.1.2.1 The system shall display detailed information about the kids, including original information, medical record, attendance record, education state and schedule.

3.1.2.2 The system shall display photo album, notice, and voting state. o

3.1.2.3 The system shall allow parents to download the photos uploaded on class. o

3.1.2.4 The system shall allow parents to communicate directly with teacher or principal.

3.1.2.5 The system shall allow parents to request for medical test

3.1.2.6 The system shall show a menu and nutritional balance.

3.1.2.7 The system shall show a kindergarten bus schedule.

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3.1.2.8 The system shall allow parents to inform the teacher about child's status, like feeling, condition, worry.

3.1.3 Utilizing the ManageKids Menu for Principal.

3.1.3.1 The system shall display detailed information of students and teachers.

3.1.3.2 The system shall allow principal to add/approve teacher's class, change/invite teachers and students, invite/notice parents.

3.1.3.3 The system shall allow principal to create and manage academic records and admissions certificates.

3.1.3.4 The system shall allow principal to communicate directly with teachers and parents by messages.

3.1.3.5 The system shall show when teachers start and leave work.

3.1.4 Provide Customer Support.

3.1.4.1 The system shall provide online help, FAQ's customer support.

3.1.4.2 The system shall allow user to select the support type he/she wants call or pdf.

3.1.4.3 The system shall display the customer contact e-mail and contact numbers on the screen.

3.1.4.4 The system shall allow user to enter the contact number for support personnel to call.

3.1.4.5 The system shall provide error report function to users.

3.1.5 Maintain Customer Profile.

3.1.5.1 The system shall allow user to create profile and set his/her credential.

3.1.5.2 The system shall authenticate user credentials to view the profile.

3.1.5.3 The system shall allow user to update the profile information.

3.1.6 Provide Personalized Profile.

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3.1.6.1 The system shall allow user to see all the notice list received by logged in their own account.

3.1.6.2 The system shall allow user to check the notice list filtered by date.

3.1.6.3 The system shall allow the user to check the notice in detail by selecting one of the notices in the list.

3.1.6.4 The system shall allow user to see the report list received by logged in their own account.

3.1.6.5 The system shall allow user to check the report list filtered by date.

3.1.6.6 The system shall allow the user to check the report in detail by selecting one of the notices in the list.

3.1.6.7 The system shall allow user to refuse the promotional and marketing information, and use service even in the case of refusal.

3.1.7 Change User's Account.

3.1.7.1 The system shall allow user to change his/her account, when having more than one ID.

3.1.7.2 The system shall allow the user to unregister if he/she wants to.

3.1.8 Log in

3.1.8.1 The system shall allow user to log in.

3.1.9 Log out

3.1.9.1 The system shall allow user to log out.

3.2 Usability

3.2.1. The system shall not charge any subscription or services fee. Just by creating an account, users can easily start using ManageKids. Also the system shall provide a customer center to help users who don't know much about using web or mobile applications. The system shall provide ID and password retrieval function for those who forgot.

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3.2.1 Graphical User Interface

3.2.1.1 The system shall provide a uniform look and feel between all the web pages.

3.2.1.2 The system shall provide digital images for students' portrait, photo albums of school activities.

3.2.1.3 The system shall provide use of icons and toolbars.

3.2.1.4 The system shall provide change features like background color or font color and size.

3.2.2 Accessibility

3.2.2.1 The system shall provide English, Korean, Chinese language support.

3.2.2.2 The system shall provide smart order for convenient payment.

3.2.2.3 The system shall provide operation for both computer and phone.

3.2.2.4 The system should be classified by function to be used comfortably.

3.3 Reliability & Availability

3.3.1 Back-end Internal Computers

3.3.1.1 The system shall ensure privacy and security of information.

3.3.2 Internet Service Provider

3.3.2.1 The system shall provide a contractual agreement with an internet service provider.

3.3.3 Application Platform Provider

3.3.3.1 The system shall provide functionality like a convenient app installed on the mobile phone.

3.4 Performance

3.4.1.1 The product shall be based on the web and has to be run from a web server.

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3.4.1.2 The performance shall depend upon hardware components of the client/customer.

3.5 Security

3.5.1 Data Transfer

3.5.1.1 The system shall protect the phone number and confidential information of users.

3.5.2 Data Storage

3.5.2.1 The account shall only be accessible to authenticated owner

3.5.2.2 The system's back-end servers shall only be accessible to authenticated administrators.

3.5.2.3 The system's back-end databases shall be encrypted.

3.5.2.4 The access to the system is secured in a very private way and information is completely protected.

3.6 Cross Platform Based Product

3.7.2 The computers and mobile platform applications shall be equipped.

3.7 User Documents and Help System

3.8.1. online customer center shall be provided.

3.8 Purchased Components

Not Applicable

3.9 Interfaces

3.9.1 User Interfaces

3.10.1.1The user interfaces for the software shall be compatible with any browser such as Chrome, Internet Explorer, Firefox.

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3.9.2 Software Interfaces

3.10.2.1 The system shall communicate with the meteorological administration for kids safe movement.

3.10.2.2 The system shall communicate with road traffic condition systems to know exact kindergarten bus time

3.10.2.3 The system shall communicate with security service platforms Kakao.

3.10.2.4 The system shall communicate with online payment service Toss, Kakaopay.

3.10.2.5 The system shall communicate with an open communication system for parent's friendship and exchange of information.

3.10 Legal, Copyrights, and Other Notices

3.11.1 ManageKids system shall display disclaimers, copyright, word mark, trademark of the ManageKids project.

4. Supporting information

- Use case analysis
- Structural models
- Project Plan
- Web design
- Behavioral models
- App Icon