Tuan-Thanh Phan

Child Health Care
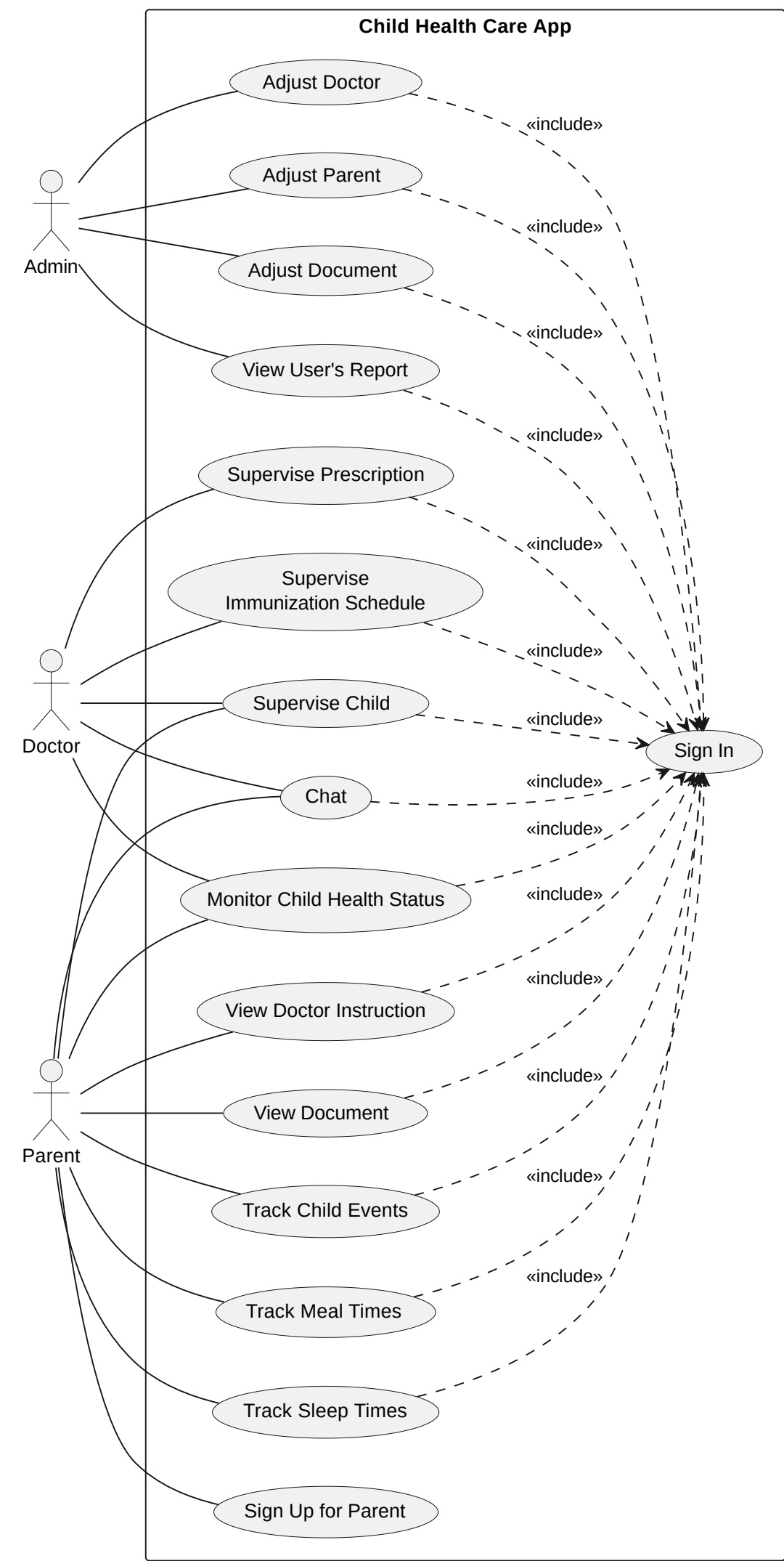
Demo Application

Contents

1. Overview

The Child HealthCare App aims to provide a comprehensive and user-friendly platform for parents and caregivers to monitor, manage, and track the health and well-being of their children.

The app will facilitate the input of health-related information, allow for error reporting, and enable seamless communication between parents and healthcare professionals.

2. Analysis

System Usecase

Child Health Care App

Admin
- Adjust Doctor
- Adjust Parent
- Adjust Document
- View User's Report

Doctor
- Supervise Prescription
- Supervise Immunization Schedule
- Supervise Child
- Chat
- Monitor Child Health Status

Parent
- View Doctor Instruction
- View Document
- Track Child Events
- Track Meal Times
- Track Sleep Times
- Sign Up for Parent

Sign In

«include»

Actors in the system

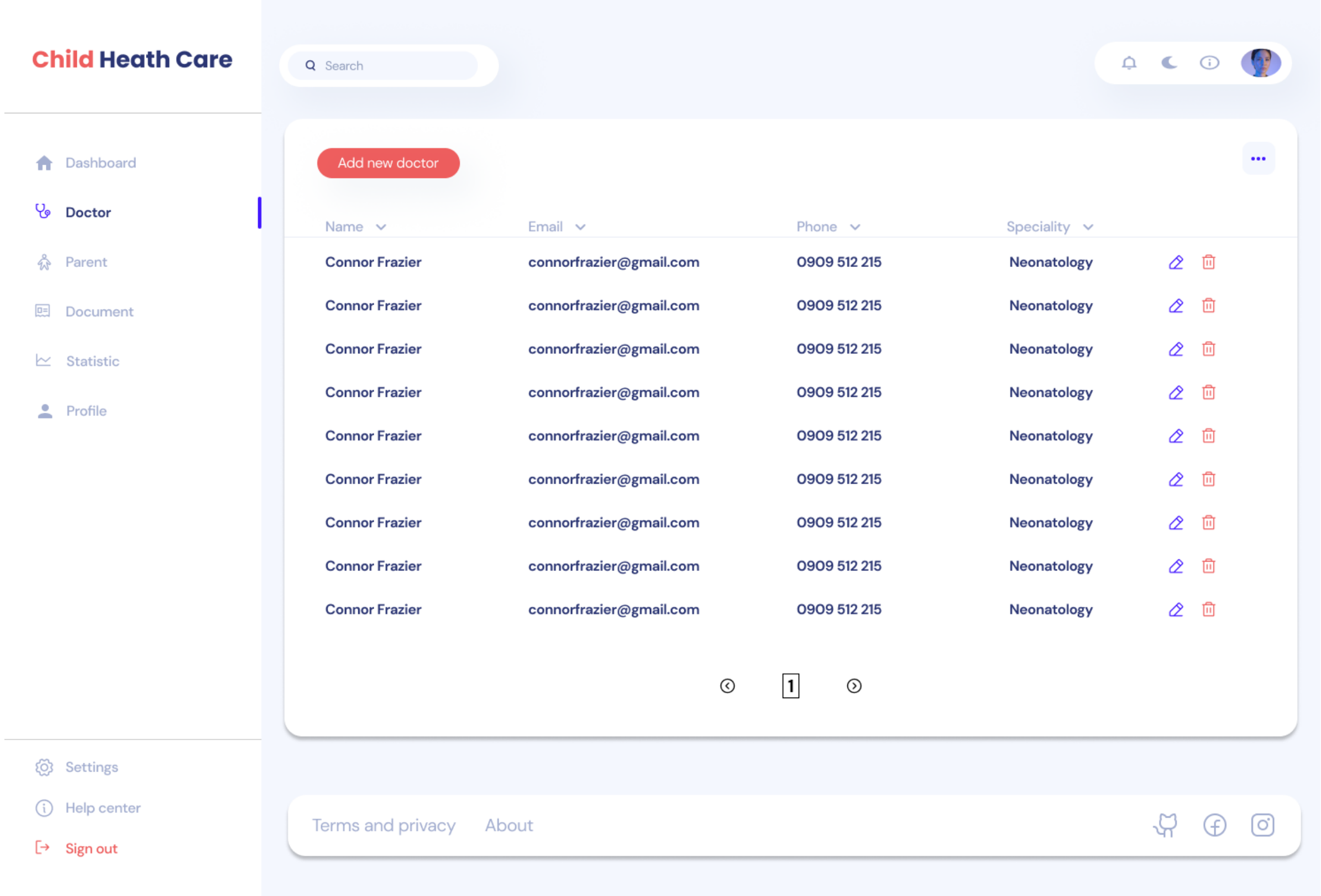| #	Actor Name	Definition
1	Admin	Who manages the accounts of doctors and parents, as well as their associated children, to maintain tighter control over the system.
2	Doctor	A medical professional who has been added to the system to help care for the children and exchange necessary information with the parents.
3	Parent	They can track their child's developmental parameters, view instructional documents, and receive notifications from the doctor.

Class diagram
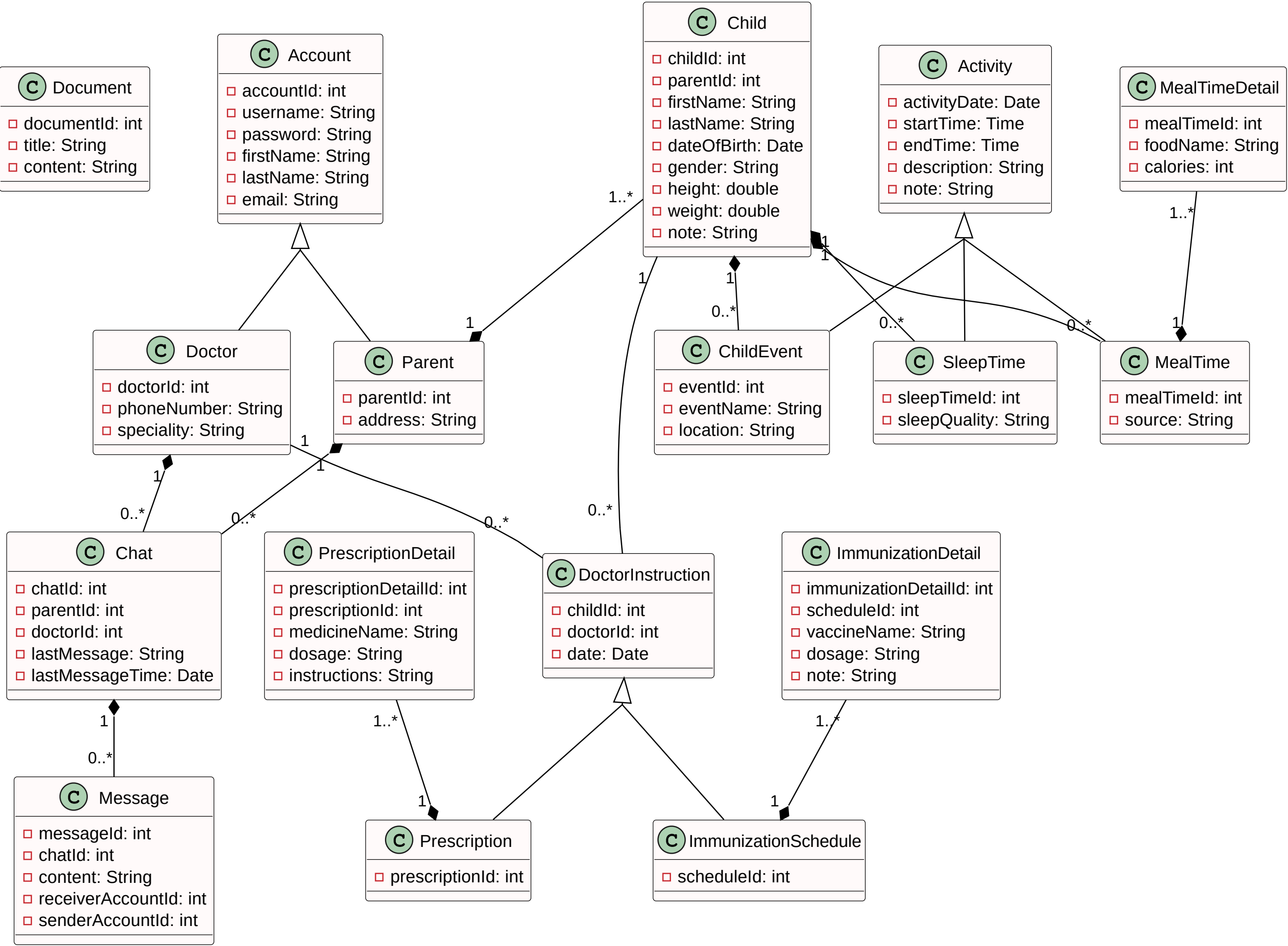
Document
- documentId: int
- title: String
- content: String

Account
- accountId: int
- username: String
- password: String
- firstName: String
- lastName: String
- email: String

Child
- childId: int
- parentId: int
- firstName: String
- lastName: String
- dateOfBirth: Date
- gender: String
- height: double
- weight: double
- note: String

Activity
- activityDate: Date
- startTime: Time
- endTime: Time
- description: String
- note: String

MealTimeDetail
- mealTimeId: int
- foodName: String
- calories: int

Doctor
- doctorId: int
- phoneNumber: String
- speciality: String

Parent
- parentId: int
- address: String

ChildEvent
- eventId: int
- eventName: String
- location: String

SleepTime
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- sleepQuality: String

MealTime
- mealTimeId: int
- source: String

Chat
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- parentId: int
- doctorId: int
- lastMessage: String
- lastMessageTime: Date

PrescriptionDetail
- prescriptionDetailId: int
- prescriptionId: int
- medicineName: String
- dosage: String
- instructions: String

DoctorInstruction
- childId: int
- doctorId: int
- date: Date

ImmunizationDetail
- immunizationDetailId: int
- scheduleId: int
- vaccineName: String
- dosage: String
- note: String

Message
- messageId: int
- chatId: int
- content: String
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- senderAccountId: int

Prescription
- prescriptionId: int

ImmunizationSchedule
- scheduleId: int

3. Designs

Doctor screen

Parent screen
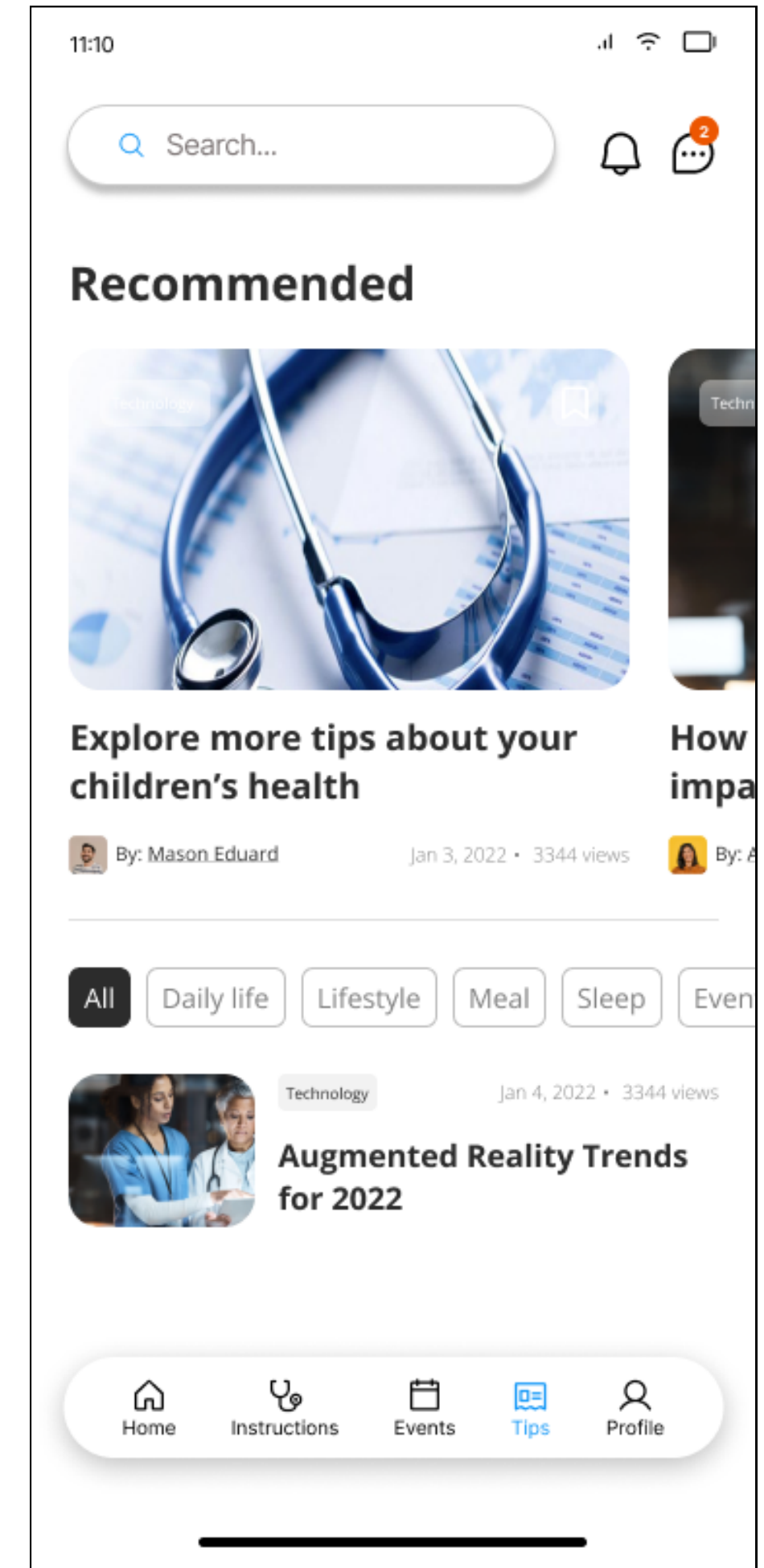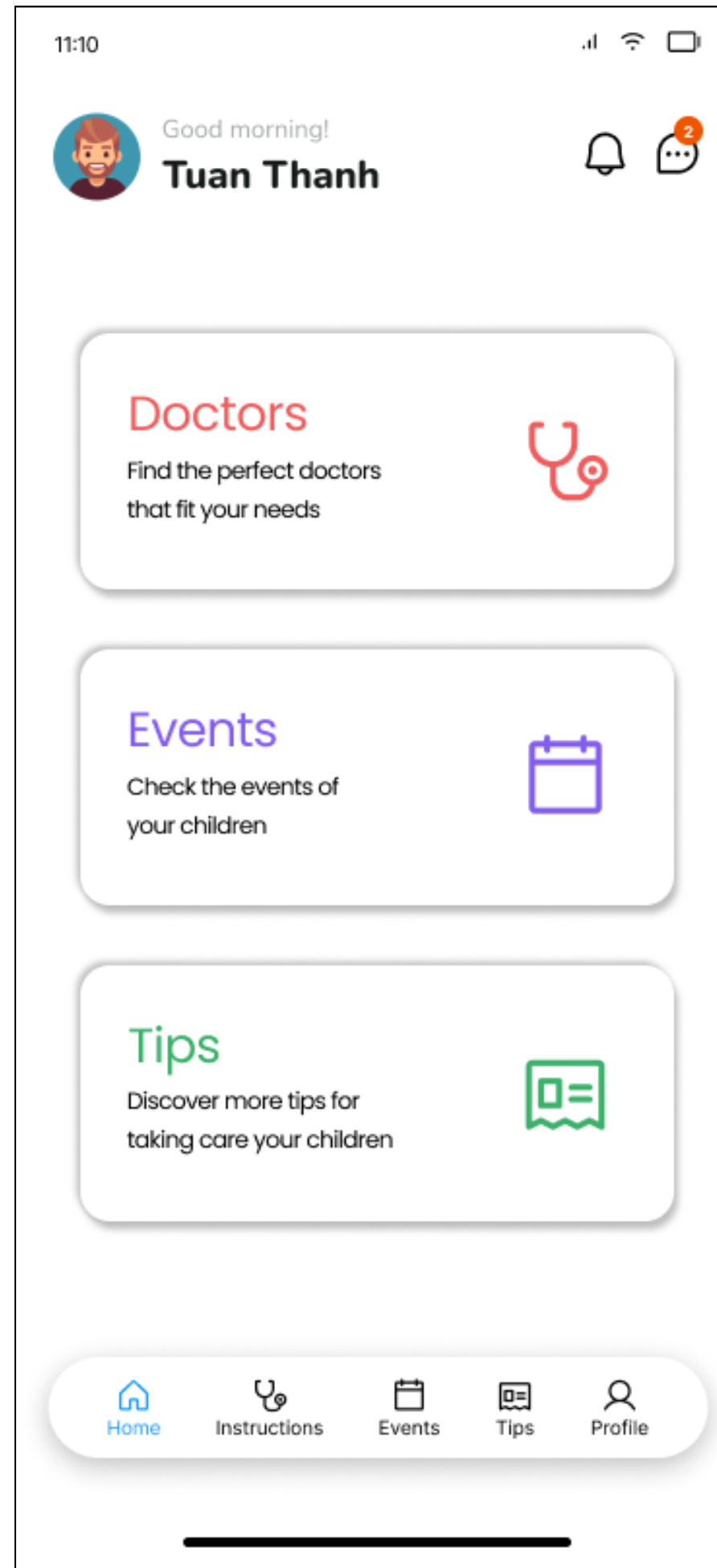
Thank You For Taking Your Time