

# Dastern

Year: 3, Team: 1

Foundamental Mobile Development  
Software Engineering

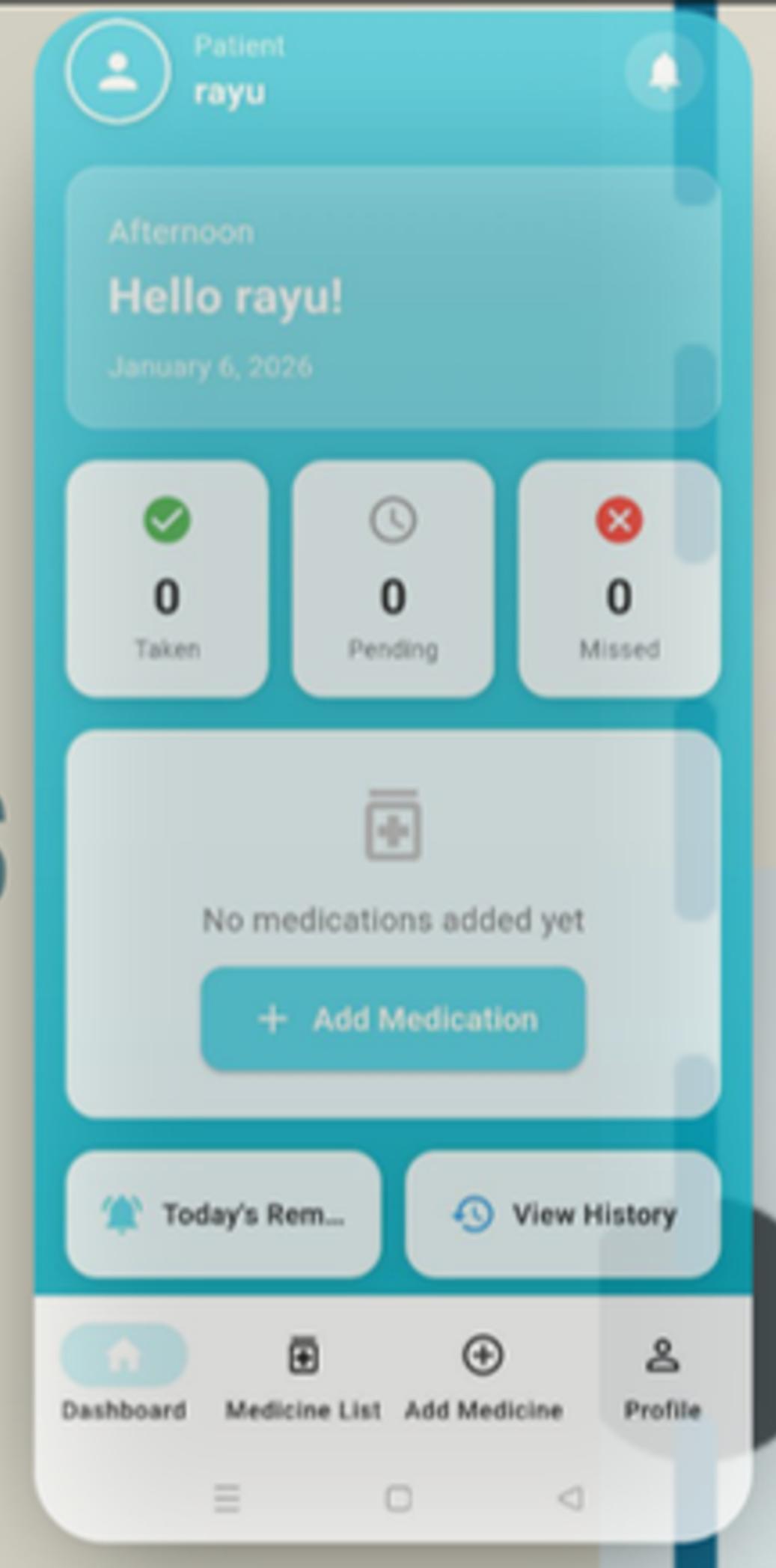
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# TABLE CONTENTS



## INTRODUCTION

DasTern is a user friendly medication reminder application specifically designed for Cambodian patients to improve home treatment management. It utilizes a simple manual CRUD (Create, Read, Update, Delete) system to ensure accessibility for users with varying digital literacy levels. The current prototype features an intuitive interface for tracking medication schedules and serves as the foundation for future development by a cognitive project.

## PROBLEMATIC & SOLUTION

- Many Cambodian patients struggle to manage medication after hospital discharge
- Common problems: forgetting dosage times, mixing up medicines, losing instructions
- Elderly and low digital literacy patients are most affected
- Missed doses can slow recovery or cause health complications
- Lack of a simple reminder and organization system at home

## APP FEATURES



Dashboard

## DEMO

## DIAGRAM & APP ARCHITECTURE

Without a family monitoring system, patients often lack support in managing their medication schedules, leading to missed doses.

## CONCLUSION

DasTern helps Cambodian patients take their medicine correctly by using CRUD with automatically generate the reminders. The app is in Khmer and English, it can send reminders to patients and it works offline, which is useful for elderly and no internet require.

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# PROBLEMATIC

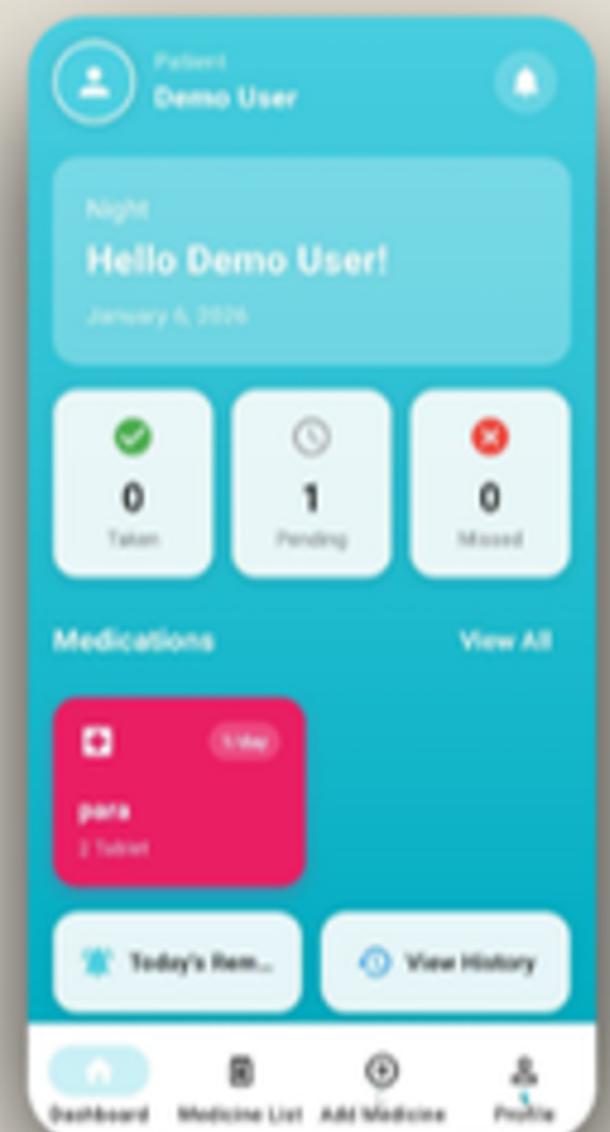
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# SOLUTIONS

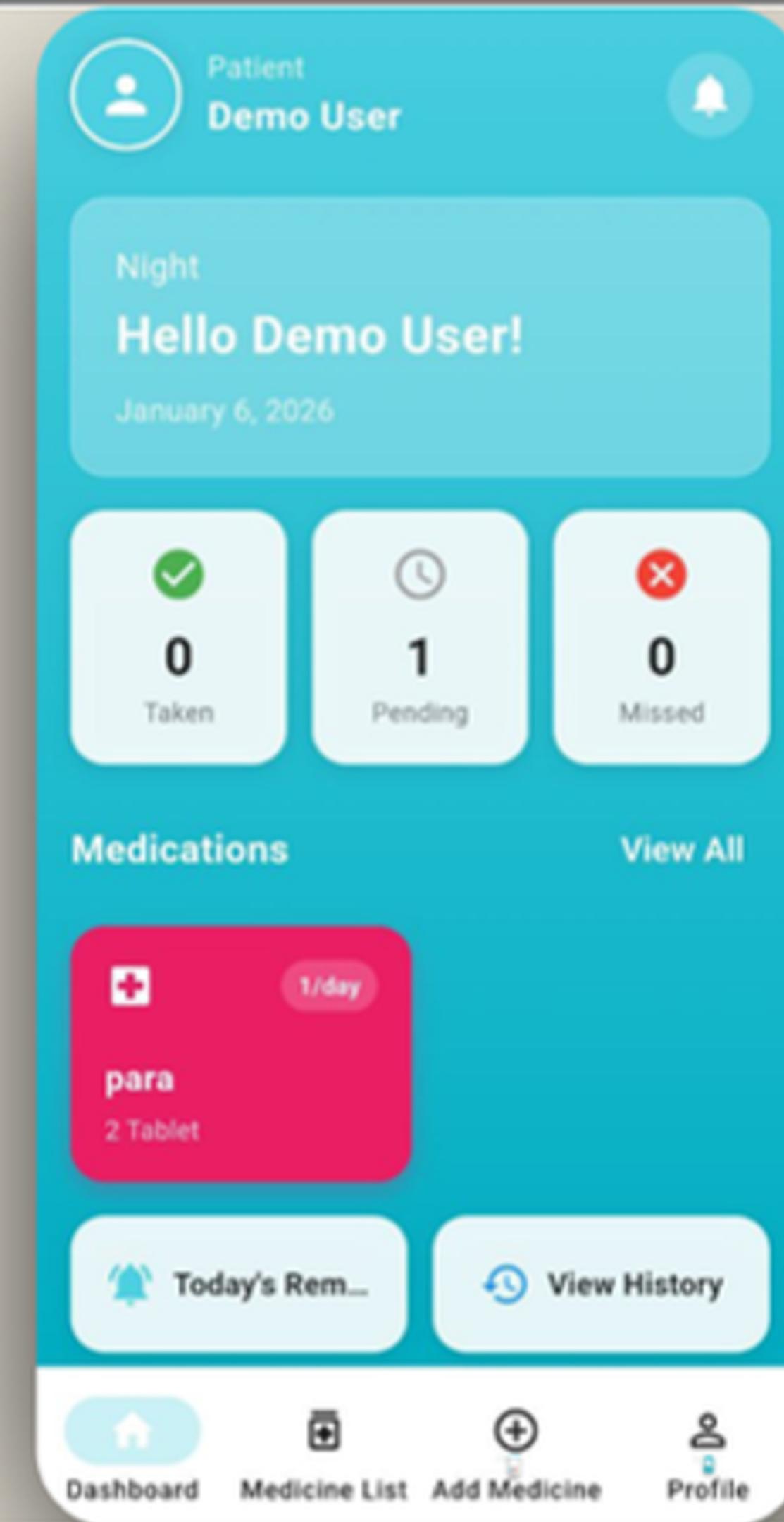
- Provides a simple manual system to organize medication schedules after hospital discharge
- Helps patients remember dosage times and manage multiple medicines correctly
- Reduces reliance on written instructions that can be lost or misunderstood
- Supports elderly patients and those with low digital literacy through an easy-to-use design
- Uses basic add, view, update, and delete reminders to ensure reliability
- Enables consistent treatment at home, reducing missed doses and health risks

# APP FEATURES

## Dashboard



# Dashboard



# DEMO

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