Tafatun: Medication management system

Students: Shmokh Almsudi-Wasn Alamri-Hessa Alotaibi-Noura Alsulami-Rahaf Aqil
Supervisor By: Dr. Areej Alsini

COMPUTER SCIENCE DEPARTMENT , UMM AL-QURA UNIVERSITY , MAKKAH , KSA

ABSTRACT

Tafatun is a medication management application that allows caregivers to track and manage medication for multiple dependents. It sends personalized voice reminders and notifications at specified times, tracks expiry dates, and allows users to add an emergency contact. This helps improve treatment adherence and ensure users do not lose sight of essential medications.

OBJECTIVES

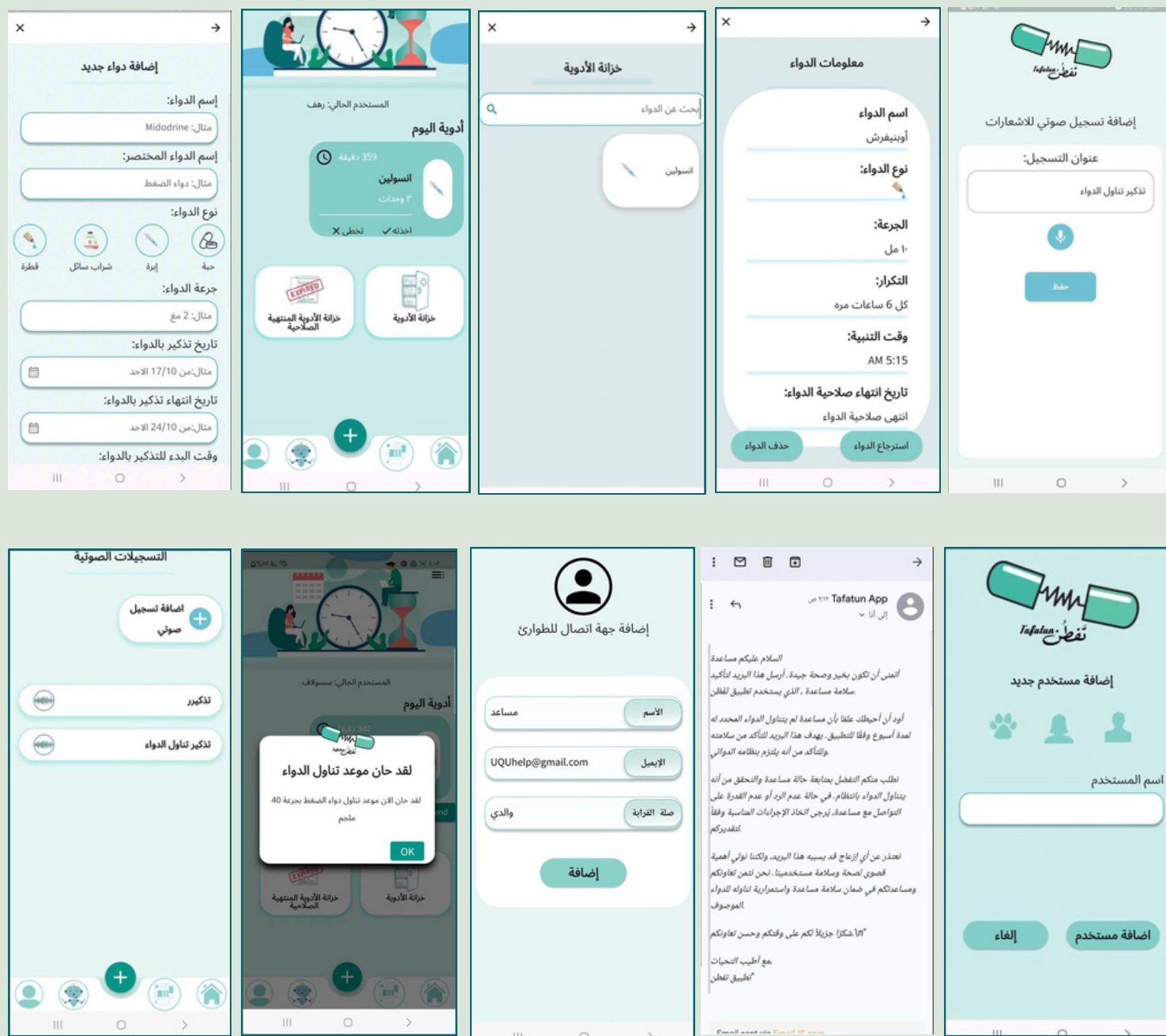- Patients take their medications on time.
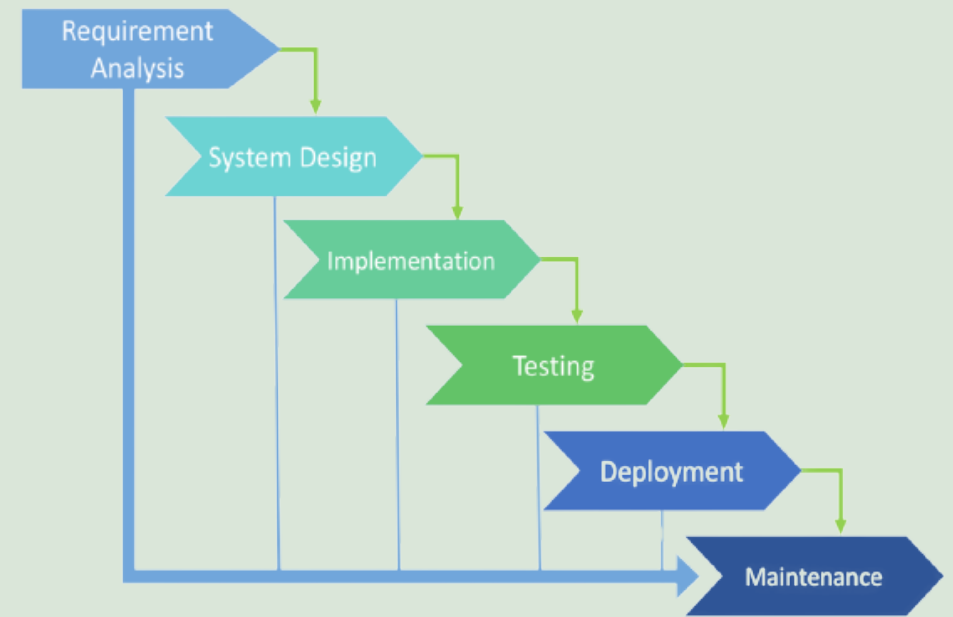- Facilitate the follow-up of patients' healthcare providers.
- Send personalized voice remiders

USER INTERFACES

METHODOLOGY

Requirement Analysis → System Design → Implementation → Testing → Deployment → Maintenance

TOOLS

DART   FLUTTER   FIREBASE   VS CODE

RESULTS

- Improving adherence to treatment
- Enhancing the safety of users
- Psychological comfort and stress relief

FUTURE WORK

- The user will be shown instructions about the medicine if it causes sensitivity or side.
- Add the medicine by the scanner.
- The AI can handle all Tafatun app services.
- Doctor's appointment reminders.
- If a user adds conflicting medicines, they'll be alerted not to take them together.

CONCLUSION

Tafatun is the result of long hours of work and dedication, focusing on improving healthcare and the daily lives of patients by providing innovative medication management solutions. We hope that this application will be an important step towards achieving this goal.

Contact

TafatunApp@gmail.com

References