

ZAMEN; AN APPLICATION TO INCREASE PATIENTS MEDICATION ADHERENCE

Background

Medication non-adherence is a common problem in healthcare that leads to negative outcomes such as increased healthcare costs and even mortality.

Despite global efforts to improve adherence, it is still imposing a significant challenge for healthcare providers.

Patients may experience difficulties adhering for a number of reasons, such as a lack of professional direction and assistance. On the other hand, healthcare professionals frequently lack efficient ways to track patient drug adherence.

This demonstrates the demand for a solution that enables healthcare professionals and patients to effectively treat pharmaceutical non-adherence.

Aim

The aim of this research poster is to introduce "Zamen" an application designed to help physicians monitor medication adherence in their new patients.

The main objective of Zamen is to improve adherence through professional guidance and support. Zamen seeks to achieve this goal by assisting healthcare providers in monitoring medication adherence, reminding patients to take their medications, and providing professional guidance on medication adherence.

The poster will discuss the rationale behind developing Zamen and how it can potentially address the problem of medication non-adherence in healthcare.

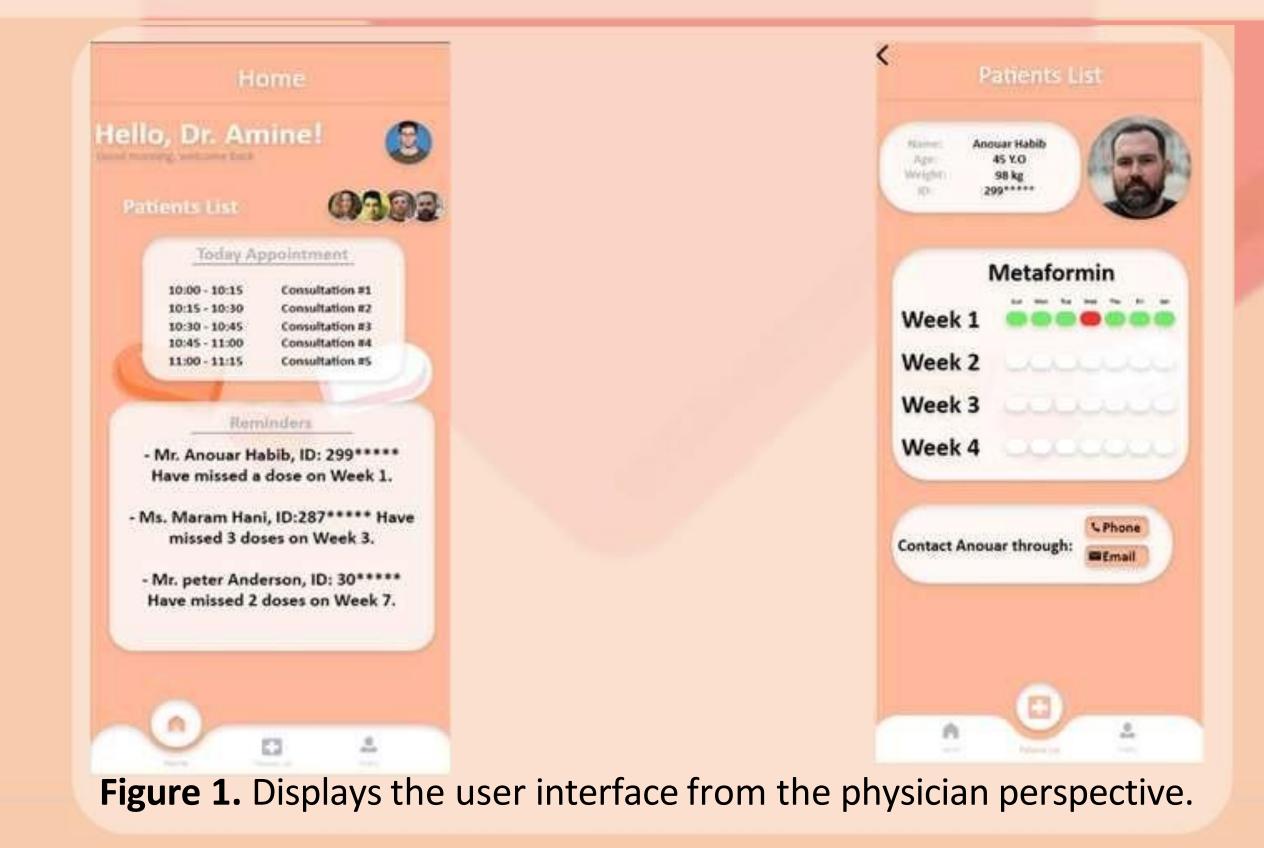
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Methodology

To develop the Zamen application, we used Adobe XD, a user experience design tool that allowed us to create a prototype of the app's interface and user flow. The development process involved multiple iterations and feedback sessions from healthcare professionals and patients to ensure the app's usability and effectiveness in addressing medication nonadherence.

To determine the magnitude of the medication non-adherence problem, we conducted a literature review of studies related to high blood pressure, diabetes, and cholesterol disease. We also analyzed data on the percentage of patients with chronic diseases who experience medication non-adherence issues. This data was sourced from reliable medical journals and databases.

Future Work Involving AI Analyze patients' data to identify patterns in medication adherence behavior. Generate personalized recommendation for patients with regards to medication adherence Addition of Al-powered chatbots



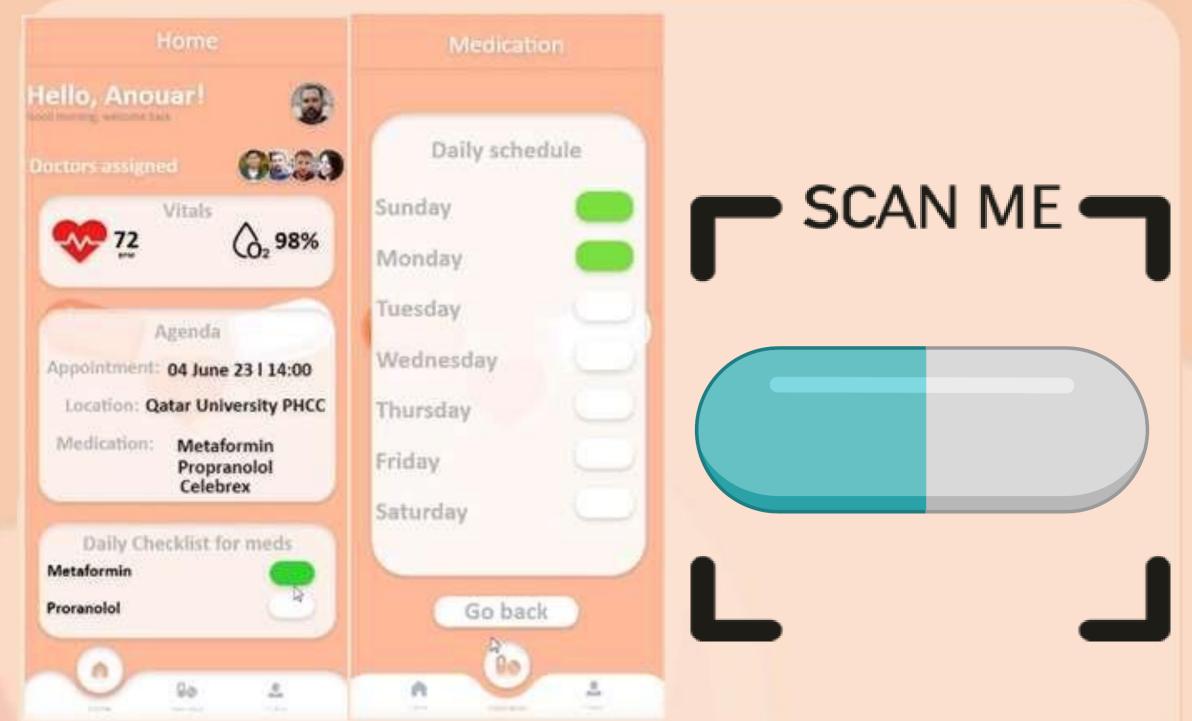


Figure 2. Displays the user interface from the patient perspective

Conclusion

In conclusion, Zamen application was developed to address the issue of medication adherence among patients with chronic diseases. We hope with this application we are able to improve the medication adherence of the patient through continuous online monitoring

References

Fink, J. L. (2018). The impact of cost on medication adherence. Patient Safety & Quality Healthcare. Retrieved from <u>https://www.psqh.com/analysis/the-</u> impact-of-cost-on-medicationadherence/#:~:text=Some%2050%25%20of%20Ameri cans%20don,U.S.%20healthcare%20spend%20every% <u>20year</u>.

Acknowledgments

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Thanks for joining us!

