Pet Therapy for Lonely Individuals

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Abstract:

The Virtual Pet Companion App is a cutting-edge digital tool created to counteract emotions of isolation and loneliness in today's society. The application provides a special emotional support system by using the therapeutic advantages of pet interaction. The creation of the software, user opinions, and any possible effects on mental well-being are all explored in this research (Li et al., 2019).

Introduction & Background:

While promoting global connectedness, the digital era has paradoxically resulted in a rise of loneliness (Zheng et al., 2023). To address this emotional gap, the Virtual Pet Companion App was developed. The app's goals, which are based on current research on the therapeutic benefits of pet companionship, are to provide emotional support, lessen feelings of loneliness, and improve overall user well-being (Wang et al., 2022).

Diagram/Design:

[Include a visual representation of the app's interface, showcasing the virtual pets, interaction features, and emotional feedback mechanisms.]
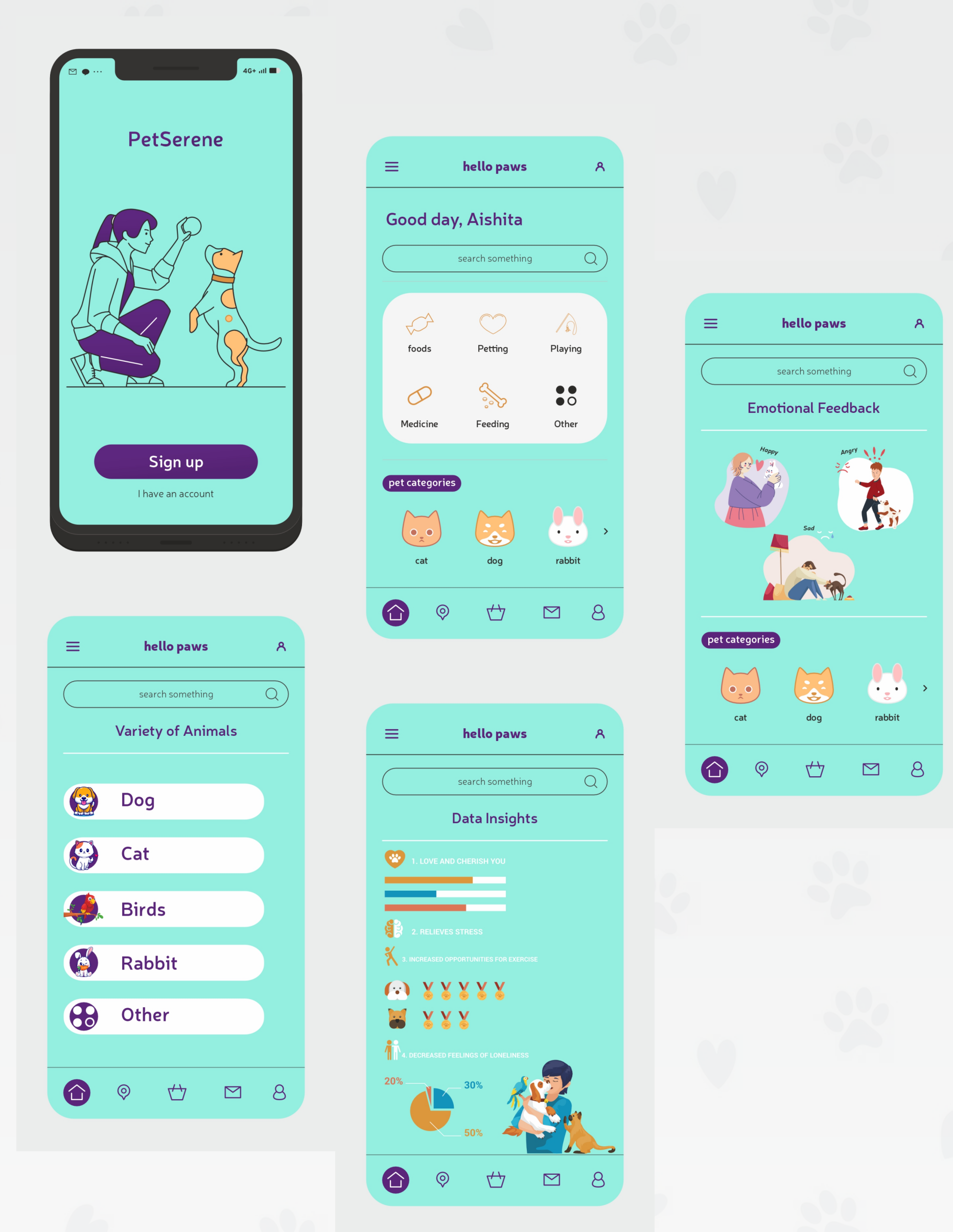
Study Methodology:

A thorough mixed-methods approach was used, including quantitative surveys for more general input and qualitative interviews for in-depth insights.

This approach, supported by research approaches in AI and emotional support systems, provided a comprehensive knowledge of user requirements and preferences (Zheng et al., 2023).

Research Results:

- The app's potential to improve mental wellbeing was highlighted by the app's first user response, which was overwhelmingly favourable.
- The app's consistency with user expectations and emotional requirements was made possible by feature improvements as a result of iterative testing (Winata et al., 2021).

Testing & Evaluation:

- Thorough testing confirmed that the software adhered to the requirements.
- To ensure optimum performance and user satisfaction, metrics including user engagement, interaction rates, and emotional feedback systems were assessed.

Conclusions & Future Work:

- A common issue with mental health in the current day has an innovative answer owing to the Virtual Pet Companion App.
- With a positive start, there is enormous room for development, including the integration of AI and the expansion of virtual worlds (Wang et al., 2022).

References:

Li, X., Lou, C., Zhao, J., Wei, H. and Zhao, H., 2019. " Tom" pet robot applied to urban autism. arXiv preprint arXiv:1905.05652.

Zheng, Z., Liao, L., Deng, Y. and Nie, L., 2023. Building Emotional Support Chatbots in the Era of LLMs. arXiv preprint arXiv:2308.11584.

Wang, S., Xu, X., Wu, W., Niu, Z.Y., Wu, H. and Wang, H., 2022. Towards Multi-Turn Empathetic Dialogs with Positive Emotion Elicitation. arXiv preprint arXiv:2204.10509.

Winata, G.I., Lovenia, H., Ishii, E., Siddique, F.B., Yang, Y. and Fung, P., 2021. Nora: The wellbeing coach. arXiv preprint arXiv:2106.00410