

INFO B505: Informatics Project Management

Instructor: Prof. David Francis

Week 03: Project Proposal

Team 04

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CareEase – A Caregiver Companion App for Dementia Caregivers

Background

Caring for individuals with dementia presents numerous challenges, including medication management, tracking doctor appointments, and ensuring overall well-being. Many caregivers struggle with organizing critical information, leading to missed medications, forgotten appointments, and increased caregiver stress. The CareEase application aims to address these issues by providing an intuitive platform to help caregivers efficiently manage patient care.

Objectives

- Develop a mobile application that allows caregivers to schedule and receive reminders for patient medication and doctor appointments.
- Implement a secure and user-friendly dashboard for tracking patient health records, emergency contacts, and medical history.
- Test and refine the application with caregiver feedback to ensure accessibility and usability.

Scope

The project will result in a functional prototype of the CareEase application, including key features such as:

- Medication tracking with notifications
- Appointment scheduling with reminders
- Digital health record storage
- Emergency contact integration
- Caregiver support resources

Timeframe

	Description of Work	Start and End Dates
Phase One	Research & Wireframing	Feb 01 - Feb 28
Phase Two	Development & Testing	Mar 01 - Mar 31
Phase Three	Refinement & Final Review	Apr 01 - Apr 30

Project Budget

	Description of Work	Anticipated Costs
Phase One	Research & Wireframing	\$2500
Phase Two	Development & Testing	\$5500
Phase Three	Refinement & Final Review	\$3000
Total		\$ 11,000.00

Key Stakeholders

Client	Eskenazi Health
Sponsor	David Francis
Project manager	Geetika Palande

Monitoring & Evaluation

Project progress will be tracked through KPIs, milestone reviews, user feedback, and testing.

1. Key Evaluation Metrics (KPIs)

- Phase One: 15-20 caregiver interviews, 3-5 competitor analyses, approved wireframes, prototype tested.
- Phase Two: Core features functional, 85% positive feedback, <10 major bugs.
- Phase Three: 20+ beta testers, 80% usability success, 90%+ performance score, stakeholder approval.

2. Monitoring Process

- Weekly Reviews: Internal progress tracking every Friday.
- Bi-Weekly Stakeholder Reviews: Feature demos & feedback sessions.
- User Testing: Wireframe (Week 3), usability (Week 7), beta (Weeks 10-12), final tests (Week 13).

3. Evaluation & Post-Project Review

- Final Review (Week 13): Assess outcomes, present findings, plan improvements.
- Post-Launch Monitoring (May-June): Track adoption, retention, and caregiver feedback.

Approval Signatures

Eskenazi Health Project Client	David Francis Project Sponsor	Geetika Palande Project Manager
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References:

Gaugler, J. E., Jutkowitz, E., Shippee, T. P., & Brasure, M. (2017). Consistency of dementia caregiver intervention classification: an evidence-based synthesis. *International psychogeriatrics*, 29(1), 19–30. <https://doi.org/10.1017/S1041610216001514>

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Reuben, D. B., Romero, T., Evertson, L. C., & Jennings, L. A. (2022). Overwhelmed: a Dementia Caregiver Vital Sign. *Journal of general internal medicine*, 37(10), 2469–2474. <https://doi.org/10.1007/s11606-021-07054-3>