LevelUp Meds

A product of DeLury Enterprise
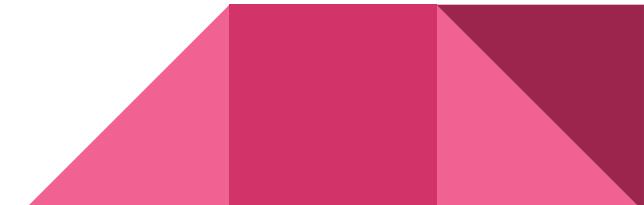
Group Members: Chance Biddle, Mary Johnson, Cayla Hale, Ibigoni Inye-Tam

Team 3

Project Advisor

Project Sponsor

Dr. David Q. Liu

Judith DeLury
DeLury Enterprise

DeLury Enterprise / LevelUp Meds history

Our sponsor started LevelUp Meds to care for her aunt with dementia. Companions, home health care, and appointments needed to be coordinated while our sponsor was working. LevelUp Meds is intended to allow for that cross communication amongst multiple caregivers as well as make it easier. This is their 5th year working with Capstone students.

Current State of LevelUp Meds
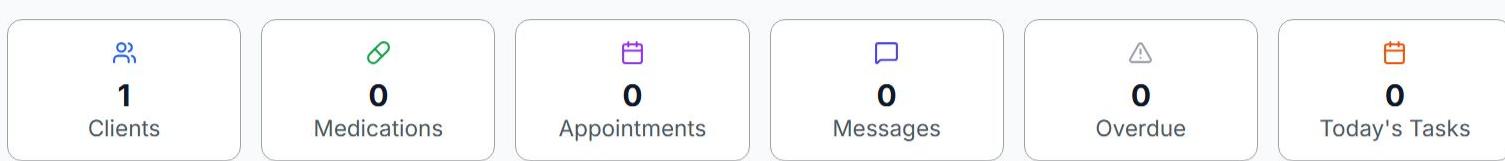
LevelUp Meds is still being worked on by a development team, but we will be working on a different branch from them.

Currently, users can:

- Create an account and log into it
- Create a client and fill out their information (medical information, emergency contact, insurance information)
- Create appointments
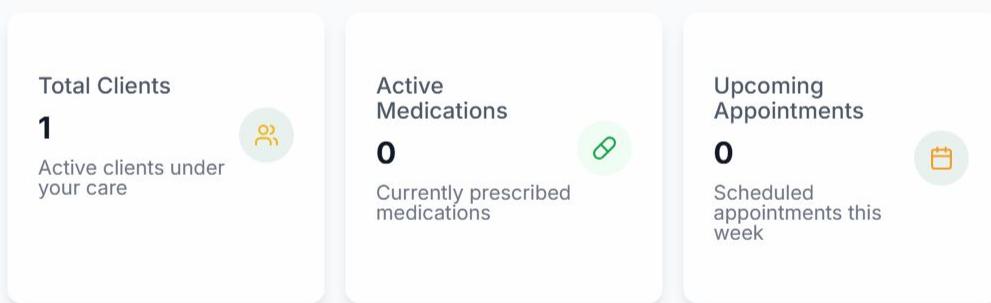
Levelup Meds

Sidebar Navigation
- Dashboard
- Clients
- Calendar
- Chat
- Settings

Summary Cards
1 Clients	0 Medications	0 Appointments	0 Messages	0 Overdue	0 Today's Tasks

Overview

Live Data

Total Clients
1
Active clients under your care

Active Medications
0
Currently prescribed medications

Upcoming Appointments
0
Scheduled appointments this week

Unread Messages
0
Messages requiring attention

Overdue Items
0
All caught up!
Progress   100%

Today's Tasks
0
Medications and appointments for today

Quick Actions

Add New
- Add Client
- Add Medication
- Schedule Appointment
- Send Message

Utilities
- **Emergency Contacts**
  View emergency contact information
- **Generate Report**
  Create care summary reports

Edit Client

Update client information and medical details.

Basic Information

First Name *

Pam

Last Name *

Coburn

Date of Birth *

01/11/1946

Gender

Female

Medical Record Number

Enter medical record number

Medical Information

Medical Conditions

Add medical condition

[+]

Allergies

Add allergy

[+]

Current Medications

Add current medication

[+]

01/11/1946

Female

Medical Record Number

Enter medical record number

Medical Information

Medical Conditions

Add medical condition

[+]

Allergies

Add allergy

[+]

Current Medications

Ibuprofen

[+]

Emergency Contact

Contact Name *

Chance Biddle

Contact Phone *

+15742264422

Relationship

e.g., Spouse, Child, Parent

Relationship

e.g., Spouse, Child, Parent

Insurance Information

Insurance Provider

Enter insurance provider

Policy Number

Enter policy number

Group Number

Enter group number

Additional Information

Primary Physician

Enter primary physician

Preferred Pharmacy

Enter preferred pharmacy

Care Notes

Enter any additional care notes or instructions

Cancel   **Update Client**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	31	01	02	03	04	05	06
	07	08	09	10	11	12	13
	14	15	16	17	**18**	19	20
	21	22 Check Up - Pam Coburn	23	24	25	26 Surgery - Pam Coburn	27
	28	29	30	01	02	03	04

Appointment Details

APPOINTMENT
Check Up

CLIENT
Pam Coburn

TIME
September 22nd, 2025 at 9:00 AM - 9:30 AM

PROVIDER
Dr. Arnold

STATUS
scheduled

LOCATION
123 medical center dr.

Pam Coburn Age 79

PC

Emergency Contact: 📞 Chance Biddle

✏️ Edit Client

〰️ Client Overview
Quick summary of current status and upcoming items

💊
0
Current Medications

📅
0
Upcoming Appointments

💬
0
Unread Messages

〰️
0
Recent Activities

📄 **Medical Information**

Medical Conditions

No medical conditions recorded

Allergies

No known allergies

📞 **Emergency Contacts**

Primary Emergency Contact

Chance Biddle

+15742264422

🛡️ **Insurance Information**

No insurance information recorded

Project Requirements

- UI/UX Enhancements, including:
- Medications per Recipient
- Upcoming Medications: Provide counts of upcoming doses within a set time frame.
- Missed vs. Taken Meds
- Audit Trail

Optional Requirements

- Security: Implementing Two-Factor Authentication (2FA/MFA) for enhanced protection.

- Accessibility: Including Text-to-Speech, Speech-to-Text, multi-language support, dyslexia-friendly mode, and adjustable font sizes.

- Real time notifications
- File Sharing: Send and receive attachments
- Pinned Messages

Required Resources / Technology

- Frontend: Next.js, JavaScript, CSS

- Backend/Infrastructure: AWS (cloud hosting, authentication via cognito, database)

- Collaboration & Development: VS Code, GitHub (branch-based development, version control)

Challenges / Risks

Technical Risks:

- API limitations or integration issues
- AWS deployment/hosting complexities
- Data security and HIPAA-like considerations

Project Risks:

- Team availability (illness, scheduling conflicts)
- Scope creep with "stretch goals"
- Time management across feature priorities
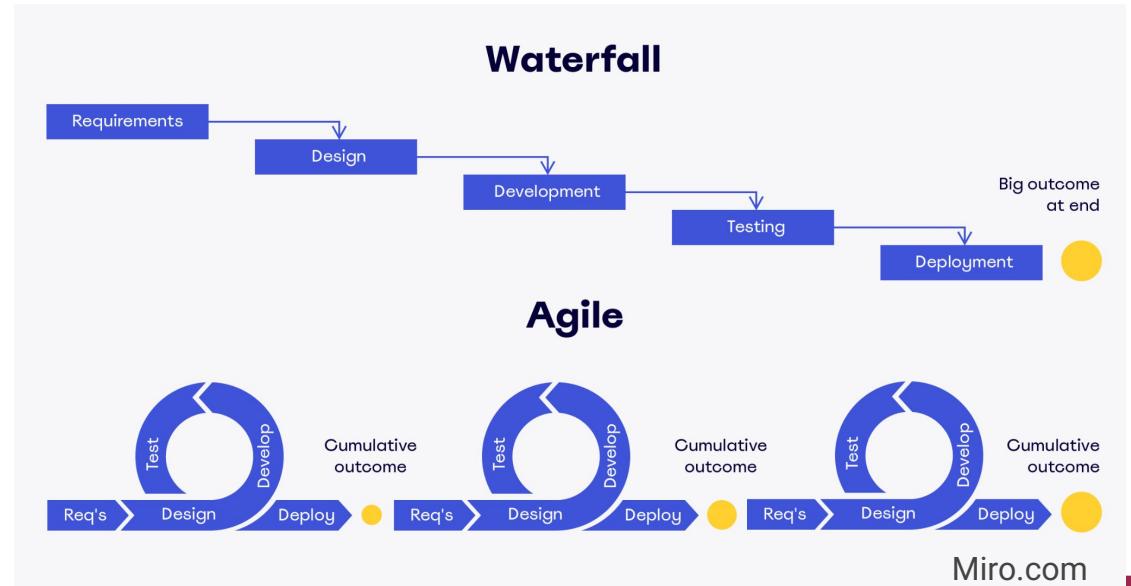
User/Stakeholder Risks:

- Ensuring UI/UX is intuitive for all caregivers
- Accessibility compliance (text-to-speech, multi-language)

Project Development

- Agile Method
- Many features
- Faster cycle
- More flexible
- Allow for more flexibility with our sponsor

Questions?