



Capstone Final PowerPoint Presentation

By: Chance Levinson



What is EZ Lert Technology Company?

- Founders: Chance Levinson and Griffin Quanula
- Founded in July 2022
- Goal: Serve our community and deliver the finest customer service possible using cutting edge technologies



What is EZ Lert?

- EZ Lert will take care of reminding clients about critical reminders and upcoming appointments
- Target Audience: Elderly and the Memory Diminished
- Types of Reminders include: SMS, Phone call, or App notifications



Why A Reminder System?

- Over 27 million people worldwide are now experiencing dementia, and this number is project to triple by 2050.
- As the world population's lifespan increases, so does the statistical probability that the elderly may suffer from memory impairment.
- According to the National library of medicine, "*Assistive technology can decrease the burden of care, increase the independence of people with health conditions, and improve the well-being of people and their careers*".

Project Planning and Management

<input type="checkbox"/>	Item	Person	Status	Date	Description
<input type="checkbox"/>	Needs Finding		Done	Sep 14	Created needs findings data for Capstone Pro...
<input type="checkbox"/>	Tasklist		Done	Sep 28	Develop task list for user
<input type="checkbox"/>	Project Scope		Done	Sep 28	Develop project scope
<input type="checkbox"/>	Success Measurements		Done	Oct 21	Measurements of success
<input type="checkbox"/>	Personas		Done	Sep 23	Develop personas for development of app
<input type="checkbox"/>	Storyboards		Working on it	Oct 21	Develop storyboards for development of app
<input type="checkbox"/>	Site Structure		Done	Oct 21	Develop a site structure to follow during the de...
<input type="checkbox"/>	Data Base Design		Working on it	Nov 26	Create Data Base Design
<input type="checkbox"/>	Receive Approval from JP		Done	Oct 21	Finalize that Jp will assist me during my capst...
<input type="checkbox"/>	First Prototype		Done	Oct 21	Develop the first prototype
<input type="checkbox"/>	First Interview with JP		Done	Oct 29	Interview with JP about project
<input type="checkbox"/>	Update Prototype		Done	Nov 5	Update 1st Prototype
<input type="checkbox"/>	1st Testing with JP		Done	Nov 12	Test with end user
<input type="checkbox"/>	Update Prototype		Done	Nov 17	Update for the 2nd Prototype
<input type="checkbox"/>	Send out 15 Surveys		Working on it	Nov 17	Send out surveys with link to first prototype
<input type="checkbox"/>	Finalize 2nd Prototype		Working on it	Nov 17	Finalize 2nd Prototype
<input type="checkbox"/>	Eye Tracking		Working on it	Nov 17	Use the Eye Tracking software to test 2nd Prot...
<input type="checkbox"/>	Start on Final Report		Working on it	Nov 18	Begin working on the Final Report

▼ December

<input type="checkbox"/>	Item	Person	Status	Date	Description
<input type="checkbox"/>	Update Prototype			Dec 3	Update 2nd Prototype
<input type="checkbox"/>	Test 3rd Prototype			Dec 6	Test out 3rd Prototype
<input type="checkbox"/>	Finalize Testing			Dec 7	Final Testing with End user
<input type="checkbox"/>	Finalize Final Prototype			Dec 9	Final Prototype that improves based off of feed...
<input type="checkbox"/>	Finalize Final Report			Dec 10	Finalize Final Report
<input type="checkbox"/>	Present Report			Dec 8	Present to Class

Week by Week

Week 1

- Establish Timeline
- Focus on Prototype I improvements
- Interview JP
- Establish Landing Page

Comments:

- Finished landing page early so I'm going to start working on prototype II.
- Spoke with Dr. Liu, in regards to Database Design. Focus on the structure of it.

Week 2

- Start Prototype II
- Improve Landing Page
- Improve TimeLine
- Needs Finding
- Measurements of Success

Comments:

- Issues with adding animations to Prototype II.
- Added more content to my landing page.
- Spoke with JP on the phone for 15 minutes regarding EZ Lert.

Week 3

- Continue Prototype II
- (WIP) Personas

Comments:

- Testing to find broken links. Found many during the "What IF Scenarios".
- Added more content to my landing page.
- I need to add more details to Personas and update them to my target audience.

Week 4

- Eye Tracking Test
- Testing with JP
- Begin Prototype III
- Start Final Project Report
- Database Design

Comments:

- Eye tracking test didn't go as planned. Software was not compatible.
- Met Griffin for the first time in person. She tested my prototype II.

Week by Week

Week 5

- Finish Database Design
- Begin Prototype III
- Send Survey
- Continue Final Project Report

Comments:

- Issues with Checkboxes for the prototype.
- I sent out 20 surveys with links.

Week 6

- Finish Database Design
- Begin Prototype III
- Send Survey
- Continue Final Project Report

Comments:

- Improve the Tasks list to show off Scenarios and features
- Improved "Profile Page" and "Profile Set up"

Week 7

- Finish Prototype III
- Test Prototype III
- Analyze Survey Results
- Start Powerpoint Presentation
- Continue Final Project Report

Comments:

- Did not receive the amount of feedback that I was wanting to receive.
- Finished the last "Polishing" phase
- Finished Database Design.

Week 8

- Review Prototype III
- Review Report
- Review Powerpoint Presentation
- Present Capstone Project



Success Measurement

EZ Lert's Grading Rubric

9.5 < Rating or 95% and Above = Complete

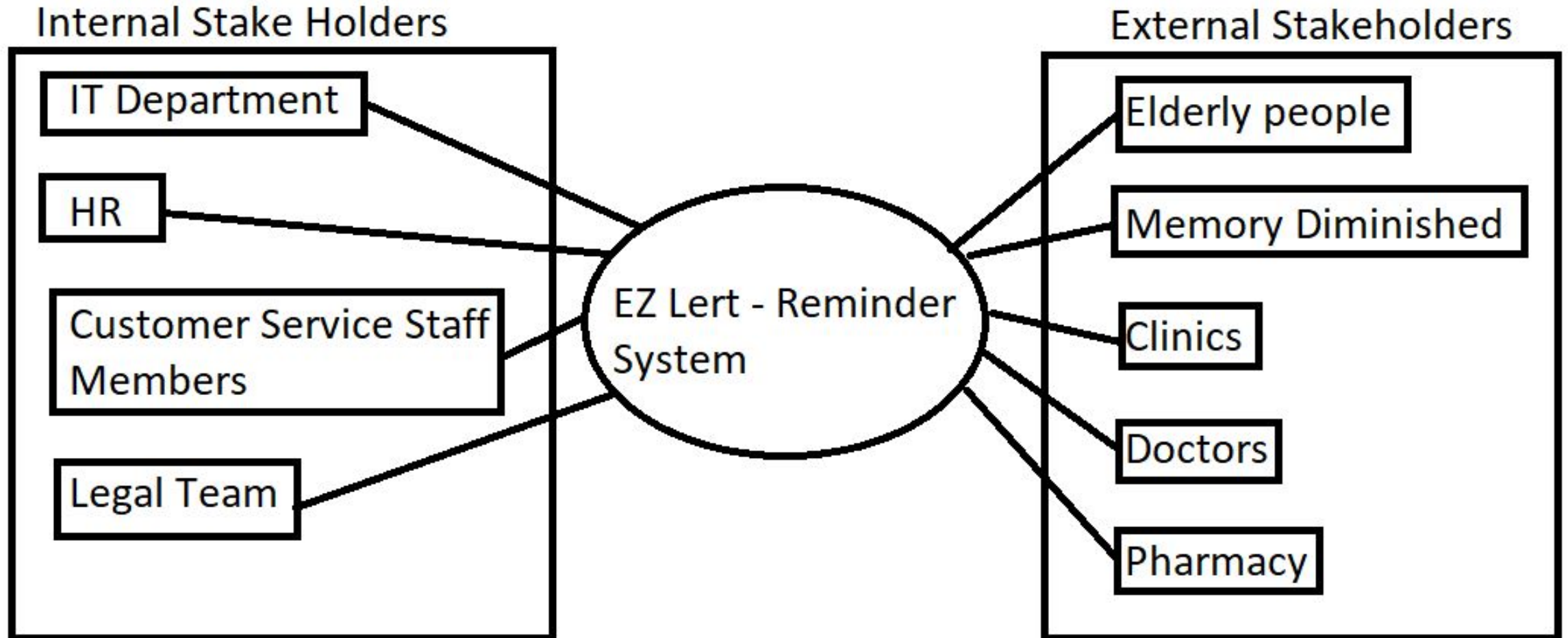
9.4 > Rating or 94% and Below = Not Complete

EZ Lert's Goals to Achieve

1. 95% of our clients must be able to Log in/Sign up.
2. 95% of our clients must be able to add upcoming appointments.
3. 95% of our clients must be able to view upcoming appointments.
4. 95% of our clients must be able to delete upcoming appointments.



IT Stakeholder's Map





Business Stakeholder's Map

Stakeholder Benefits and Engagement

- Low Risk Investment
- Low PPEs
- High ROI
- Stock Investment Increase
- Stock Liquidity Options
- Annual Dividends
- Stakeholder Board membership at 15% Ownership
- Healthcare Industry is increasing and has high elasticity

Stakeholder Management

- Stakeholder Board Annual Meetings
- Stakeholder Management Executive (SME) responds to request and submits monthly statements
- The SME team reviews email submissions and requests.

General Operations

- Case Managers review the workload of each representative and assign callbacks based on schedule hours
- Case Managers serve as the escalations team and handle any High priority callbacks

Frontline Operations

- Representatives receive incoming calls and text
- Schedule appointments and process general callbacks and reminders



Features

- Add reminder
- Delete reminders
- Add back reminders
- Multiview option for users to see upcoming reminders
- Confirmation of changes



Task List

1. Bob wants to log in their account.
2. Susan wants to create an account.
3. John wants to add Allergies to their profile.
4. John wants to add upcoming appointments.
5. Susan wants to see deleted upcoming appointments.
6. Susan wants to delete an upcoming appointment.
7. Susan wants to add deleted appointments back to the schedule.
8. John wants to change the status of a reminder in the Home Tab.
9. John wants to edit the time of an upcoming reminder.
10. Bob wants to see helpful tips.
11. Bob wants to switch views in the home tab to weekly.



Site Structure



TIME TO SEE PROTOTYPE III – Apex 3.0



Prototype I V.S. Prototype III

Main Screen

The logo for EZ LERT technology, featuring a stylized circuit board icon to the left of the text "EZ LERT" in a bold, sans-serif font, with "technology" in a smaller font below it. The entire logo is enclosed within a thin blue circular border.

SIGN UP **LOG IN**

Inscribirse Iniciar sesión

HOME PROFILE DOCUMENTS HEALTHY TIPS REMINDERS

LANGUAGE ▼

The logo for EZ LERT technology, featuring a stylized circuit board icon to the left of the text "EZ LERT" in a bold, sans-serif font, with "technology" in a smaller font below it. The entire logo is enclosed within a thin blue circular border.

Email or Phone Number

Password

Log In

Forgot Password?


Create new account



Prototype I V.S. Prototype III

My Profile

espano



Audrey Marrero
AudreyMarrero@mail.com [Edit](#)

Address: 1234 Smith Street. Atlanta, GA [Edit](#)

*Phone Number: [Edit](#)

*Date of Birth: [Edit](#)

*Emergency Contact Name: [Edit](#)

*Emergency Contact Phone Number: [Edit](#)

Primary Care Physician Name: [Edit](#)

Primary Care Physician Address: [Edit](#)

*Phone Number: [Edit](#)

Allergies [Edit](#)

Food Allergies: [Edit](#)

Drug Allergies: [Edit](#)

Insect/ Pet Allergies: [Edit](#)

Allergic Allergies: [Edit](#)

Other: [Edit](#)

Are you under the age of 18?

[Back](#)



Audrey Marrero
AudreyMarrero@mail.com [Edit](#)

My Profile

LANGUAGE

Personal Information

Address: _____

City: _____

State: [Click here to add Address](#)

Zip Code: _____

DoB: [Click here to add DoB](#)

Phone Number: [Click here to add Phone Number](#)

Emergency Contact

Name: [Click here to Add Emergency Contact](#)

Phone Number: _____

Medical Information

Allergies:

Food

Drug

Insect / Pet

Allergic Asthma

Other

Medication Information

Medication: [Click here to Add](#)

Next Refill: _____

Weekly Consumption: Sun Mon Tues Wed Thurs Fri Sat

[Add Medication](#)



Prototype I V.S. Prototype III

Reminders Tab

Adding Reminders


Name of Reminder:	Edit
Date:	Edit
Time:	Edit
Notes:	Edit

[Save](#)

HOME PROFILE DOCUMENTS HEALTHY TIPS REMINDERS LOG OUT

LANGUAGE ▼

Reminder Setup

 Audrey Marrero
AudreyMarrero@mail.com [Edit](#)

Today's Reminders

- Doctor's Appointment [Edit](#)
Time: 8:00 AM
Date: November 21
Description: Appointment with Dr. Phil
- Prescription - Ibuprofen [Edit](#)
Time: 9:00 AM
Date: November 21
Description: Take medicine

[ADD REMINDER](#)

Future Reminders

- VA Appointment [Edit](#)
Time: 10:00 AM
Date: November 22
Description: Appointment at the VA for Blood work

[ADD REMINDER](#)

Deleted Reminders

- Group Meeting [ADD REMINDER BACK](#)
Time: 2:00 PM
Date: November 19
Description: Meeting with friends

[Save](#)



Survey Feedback – Prototype III

Challenges

- nothing. A lot better!
- Much better than 2.0
- I didn't see anything that stood out
- I didn't have any issues

Improvements

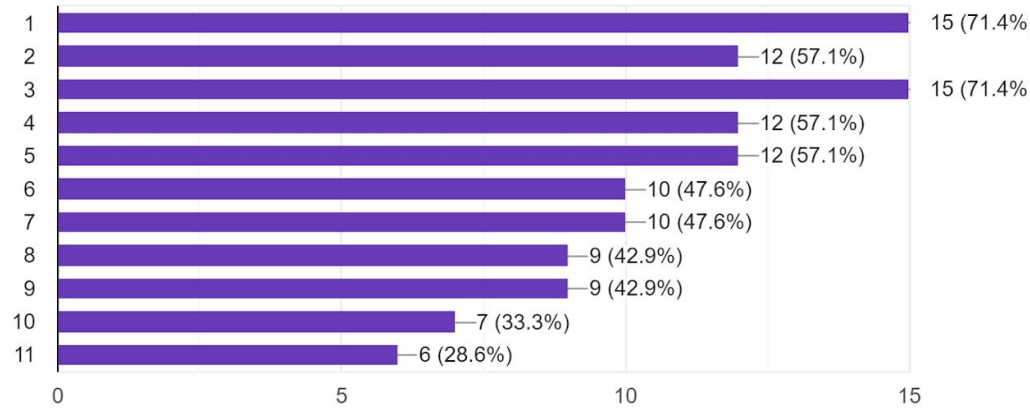
- It's way smoother!
- Make it operational
- Make it into a fully functioning website
- When will it be working?

Comments

- Wow, Chance! Such a wonderful improvement! Great work!
- I like the way EZ Lert looks now!
- Shoot! I'll use this when Its working hahaha!!
- I enjoyed the flow of it all!

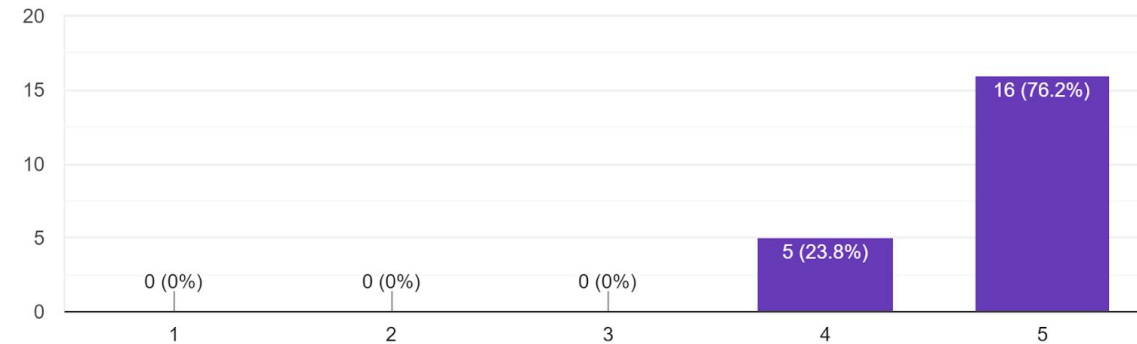
Which Tasks did you attempt?

21 responses



Overall, how satisfied are you with EZ Lert

21 responses





Survey Feedback – Prototype III

EZ Lert's Ratings

9.5 < Rating or 95% and Above Complete

9.4 > Rating or 94% and Below Not Complete

95% of our clients must be able to Log in/Sign up. (21/21) Status: COMPLETE

95% of our clients must be able to add upcoming appointments. (21/21) Status: COMPLETE

95% of our clients must be able to view upcoming appointments. (21/21) Status: COMPLETE

95% of our clients must be able to delete upcoming appointments. (21/21) Status: COMPLETE



Jean Paul's Prototype Ratings

Jean Paul's Rating

Prototype I - Apex 1.0

Appearance Rating: **7.4**/ 10 Status: **NOT COMPLETE**

Flow Rating: **7.1**/ 10 Status: **NOT COMPLETE**

Functionality Rating: **7.3**/ 10 Status: **NOT COMPLETE**



Jean Paul's Prototype Ratings

Prototype II - Apex 2.0

Appearance Rating: **8.3**/ 10 Status: **NOT COMPLETE**

Flow Rating: **8.0**/ 10 Status: **NOT COMPLETE**

Functionality Rating: **8.5**/ 10 Status: **NOT COMPLETE**



Jean Paul's Prototype Ratings

Prototype III - Apex 3.0

Appearance Rating: **9.6/ 10** Status: **COMPLETE**

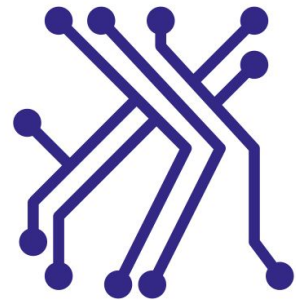
Flow Rating: **9.7/ 10** Status: **COMPLETE**

Functionality Rating: **9.5/ 10** Status: **COMPLETE**



Conclusion





EZ LERT
technology

Thank You!



References

“Smartphone Reminders Can Improve Memory for Older Adults with Dementia.” *Show Me Mizzou. News from the University of Missouri*,
<https://showme.missouri.edu/2022/smartphone-reminders-can-improve-memory-for-older-adults-with-dementia/>.

Sofiat Akinola Project Lead, et al. “How Can Technology Improve Our Lives as We Age?” *World Economic Forum*,
<https://www.weforum.org/agenda/2021/10/how-can-technology-improve-our-lives-as-we-age-tech-pioneers-and-global-innovators/>.

“Smartphone Reminders Can Improve Memory for Older Adults with Dementia.” *Show Me Mizzou. News from the University of Missouri*,
<https://showme.missouri.edu/2022/smartphone-reminders-can-improve-memory-for-older-adults-with-dementia-2/#:~:text=And%20while%20smartphone%20apps%20are,receive%20reminders%20about%20upcoming%20events.>

Consiglio-Missouri, Brian. “Assistant App May Improve Memory for People with Dementia.” *Futurity*, 7 Feb. 2022, <https://www.futurity.org/personal-assistant-apps-dementia-older-adults-2693172/>.

“Dementia & Alzheimer's Help: Global: Alzheimer's Association.” *Alzheimer's & Dementia: Global Resources*, 29 May 2014,
<https://www.alz.org/global/overview.asp#:~:text=Alzheimer's%20%26%20Dementia%3A%20Global%20Resources,people%20are%20living%20with%20dementia.>