



QUICK QUIT



YOUR RECOVERY,
SIMPLIFIED AND SUPPORTED

By Team 3

Two overlapping geometric shapes, a blue parallelogram and a light green parallelogram, are positioned in the top-left corner of the slide.

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Team Bio



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We are a group of passionate computer science students from Old Dominion University united by a common goal: to bring technological innovation to the addiction recovery landscape. With diverse backgrounds in software development, data science, and mobile app design, our team combines technical expertise with a deep commitment to making a meaningful impact in the lives of individuals seeking recovery.

Elevator Pitch

Addiction is an issue that destroy lives and ruin relationships



Addiction Recovery Made Simple



Personalized Support



Stay Motivated

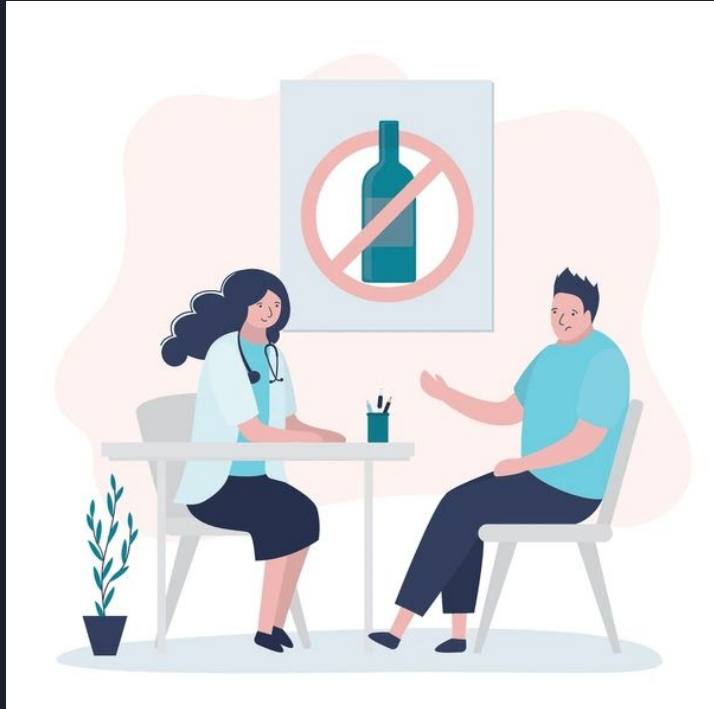


Emergency Assistance



Word of mouth is often insufficient and/or unreliable, as is the open internet

Problem Statement



Individuals battling addiction struggle to access the support they need



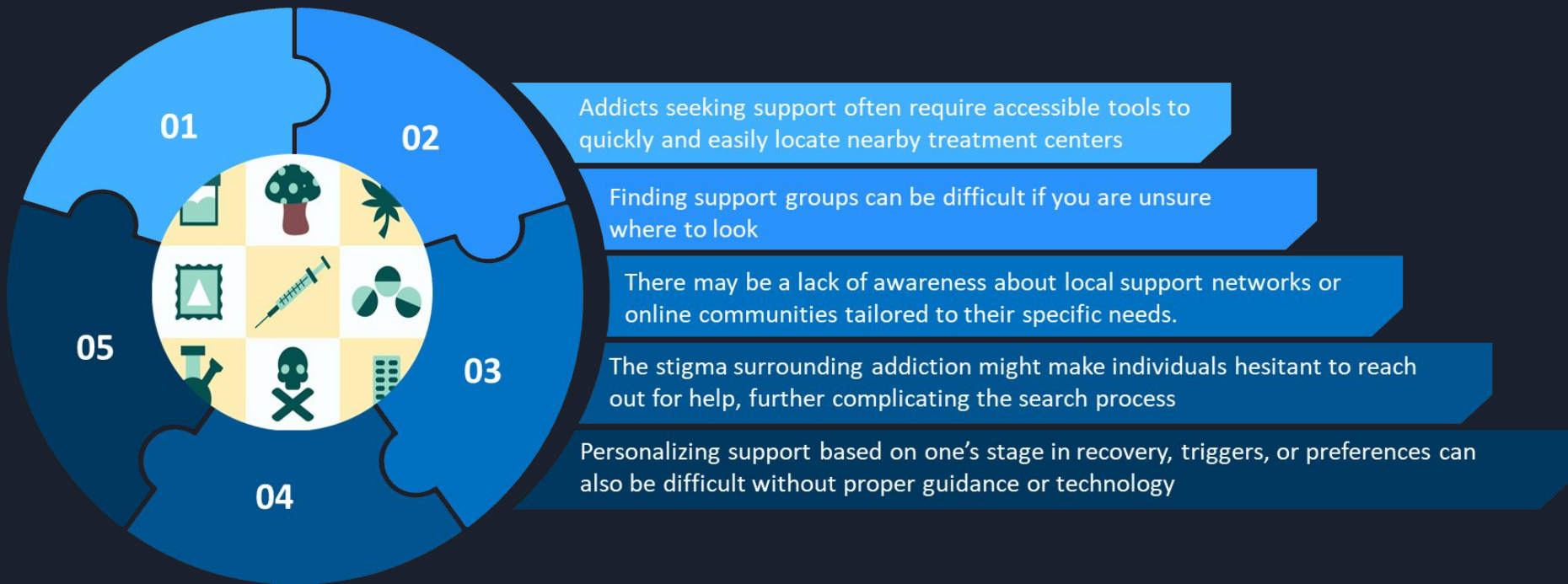
Finding nearby treatment centers and support groups can be overwhelming during critical moments



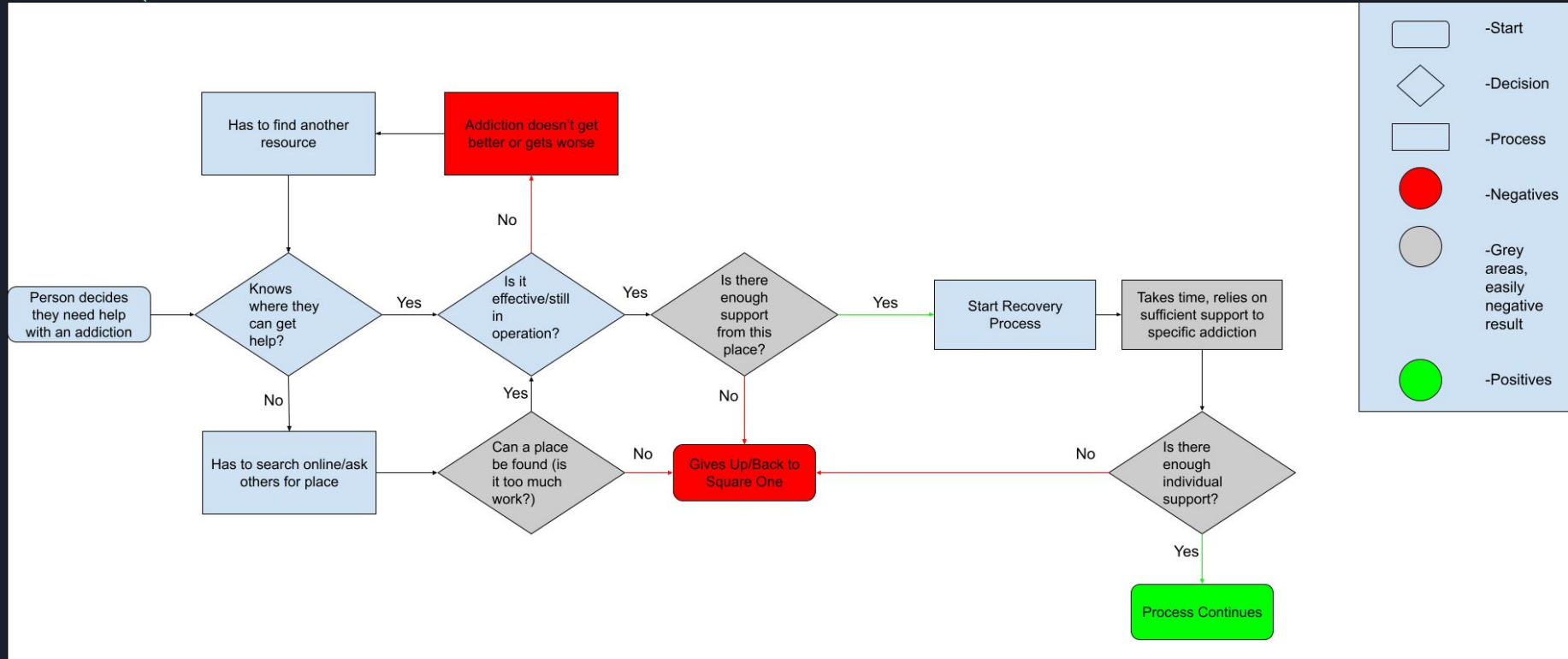
A solution is needed that simplifies connecting with personalized treatment options is essential to remove barriers.



Problem Characteristics



Current Process Flow



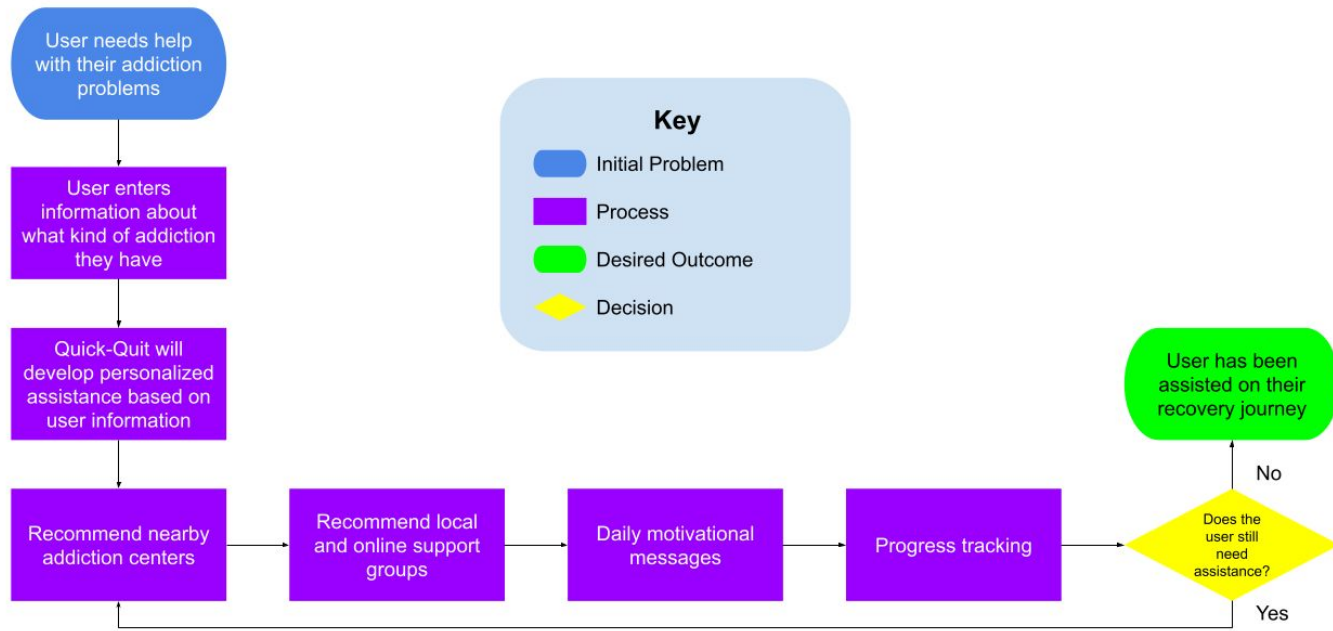
Solution Statement

Quick-Quit is a mobile recovery platform designed to connect individuals with essential addiction recovery resources.

It supports users through their recovery journey by providing tools needed to find help quickly and efficiently, ensuring they stay on track toward sobriety and well-being.



Solution Process Flow



What will it do?

- **Locate Nearby Rehab Centers:** Find addiction treatment centers and clinics based on the user's location.
- **Find Support Groups:** Search for local or online support groups, with options to filter by addiction type and proximity.
- **Filter by Addiction Type:** Allow users to narrow down treatment centers and support groups based on their specific addiction.
- **Daily Inspirational Quotes:** Provide users with motivational quotes to encourage progress in their recovery journey.
- **Track Recovery Progress:** Maintain records of past treatment centers visited and current addictions being treated.
- **Emergency Safety Feature:** Offer built-in alerts or emergency contacts to assist in situations like a potential overdose.





What will it not do?

- Mood Tracking
- Provide Direct Medical Advice
- Symptom Tracking
- Serve as a General Health Tracker



Monetization Consideration

- In-app ads - monitor ads displayed
- Subscription model - all features unlocked for monthly subscription
- In-app purchases - one time fee for specific features
- Merchandising - t-shirts, pins, stationary,
- Medical Grant
- Partnerships



Competition Matrix



Indirect Competitors

Product Category	Quick-Quit	Addiction Help	FindTreatment	I am Sober	The Phoenix
Rehab Center Locator	✓	✓	✓		
Clinic Locator	✓	✓	✓		
Support Group Finder	✓	✓		✓	✓
Filter by Addiction Type	✓		✓		
Filter by Specific Location	✓		✓		
Filter by Proximity	✓		✓		
App-Based	✓			✓	✓
Daily Inspirational Quotes	✓			✓	✓
Emergency Safety Feature	✓	✓	✓		

Development Tools

Development Building:

- Integrated Development Environment: Visual Studio Code
- Version Control: Git
- Continuous Integration and Continuous Deployment: GitHub Actions & Workflows

Development Deployment (tentative):

- Selected Language (Backend): JavaScript
- Selected Language (Frontend): JavaScript
- Testing Frameworks: Jest
- Documentation Tool: JSDoc





Major Functional Components

- **Gui/App:**
 - Allows for searches of database to find rehab centers/addiction clinics and/or support groups
 - Recommends closest center for specific addictions
 - Allows user to find contact information of clinics more easily
 - Gives daily inspirational quotes
- **Backend Framework:**
 - Utilizes Node.js as the backend framework to handle API requests and manage the application logic
 - Manages the integration of external services such as location APIs for finding nearby rehab centers
- **Database:**
 - Track user information
 - Keep records of past rehab centers/addiction clinics visited and current addictions being treated
 - Compile lists of support groups, addiction clinics, and possible addictions
 - Compile lists of inspirational quotes
 - Keep track of user feedback
- **Operating System:**
 - The application is designed to be platform-independent or based on Linux server-side deployment using Docker for containerization, ensuring scalability and easy deployment
- **Security Measures:**
 - Implements encryption for sensitive user data
 - Regular backup protocols are in place for data recovery

Risks Probability Assessment



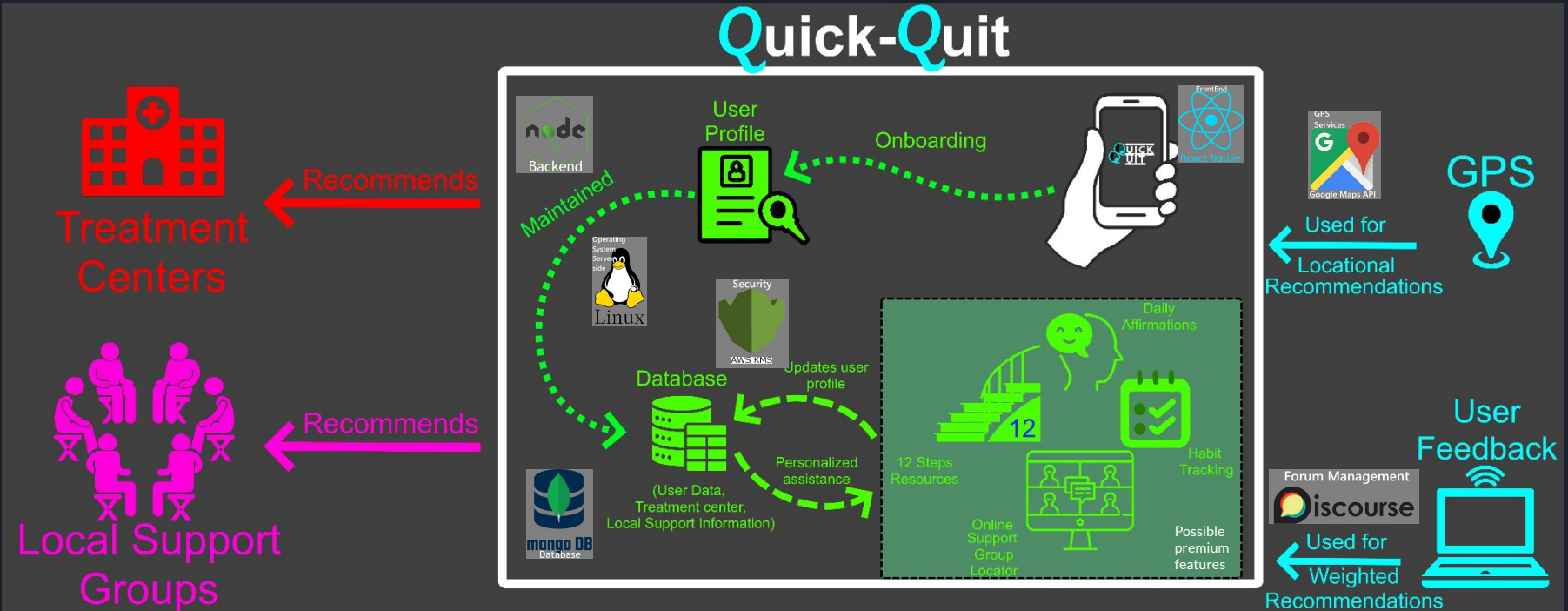
Risk	Impact (1 - 5)	Probability (1 - 5)	Solution Strategy
Data Breach or Security Vulnerabilities	5	3	End-to-end encryption, security audits / pen testing
System Downtime	5	2	Strong Cloud provider and data redundancy
Inaccurate GPS	3	2	Use Multiple Sources and allow user location input
Data Loss	4	1	Same as system Downtime
Unable to scale	4	3	Code Optimization
User not wanting to share personal data	3	3	Clear privacy policies and data transparently
Misidentification of Treatment Centers	2	3	Update database and use user feedback for verification.
Low User Engagement	2	4	Utilize personalized notifications, and reward systems
Legal Issues or Non-Compliance	5	1	Get legal consultation
Ineffective Emergency Response	4	2	Contact emergency services
Monetization effects	2	5	Transparent Policies



Risks Matrix

Probability Impact	Very Low	Low	Medium	High	Very High
Very High	Legal Non Compliance	System Downtime	Data Breach		
High	Data Loss	Ineffective Emergency Response	Failure to Scale		
Medium		GPS Accuracy	User Reluctance	Treatment Center Data	
Low			Inaccurate Center Info	Low User Engagement	Monetization effects
Very Low					

Major Functional Components Diagram





References

"Barriers to Addiction Treatment: Why Addicts Don't Seek Help." *American Addiction Centers*, 5 Sept. 2024, americanaddictioncenters.org/rehab-guide/why-addicts-dont-seek-help. Accessed 17 Oct. 2024. 1)

National Institute on Drug Abuse. "Principles of Effective Treatment." *National Institute on Drug Abuse*, 18 Jan. 2021, <https://nida.nih.gov/sites/default/files/podat-3rdEd-508.pdf>. Accessed 17 Oct. 2024. 2)

"Barriers to Addiction Treatment: Why Addicts Don't Seek Help." *American Addiction Centers*, 18 July. 2024, <https://americanaddictioncenters.org/rehab-guide/treatment-barriers>. Accessed 17 Oct. 2024. 3)

"Relapse Rates in Addiction Programs." *Journal of Consulting and Clinical Psychology*, vol. 27, no. 4, 1971, pp. 455-467. EBSCOhost, [https://onlinelibrary.wiley.com/doi/10.1002/1097-4679\(197110\)27:4%3C455::AID-JCLP2270270412%3E3.0.CO;2-R](https://onlinelibrary.wiley.com/doi/10.1002/1097-4679(197110)27:4%3C455::AID-JCLP2270270412%3E3.0.CO;2-R) Accessed 24 Oct. 2024.

"Leveraging Technology to Enhance Addiction Treatment and Recovery." Miller, William R., and Jean W. Twomey. *Journal of Substance Abuse Treatment*, vol. 44, no. 1, 2013, pp. 1-4. Taylor & Francis Online, <https://www.tandfonline.com/doi/abs/10.1080/10550887.2012.694606>. Accessed 24 Oct. 2024.