QUICK QUIT

YOUR RECOVERY, SIMPLIFIED AND SUPPORTED

By Team 3

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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.

QUICK QUIT

Elevator Pitch

Addiction is an issue that destroy lives and ruin relationships

Addiction Recovery Made Simple

Personalized Support

Stay Motivated

Emergency Assistance

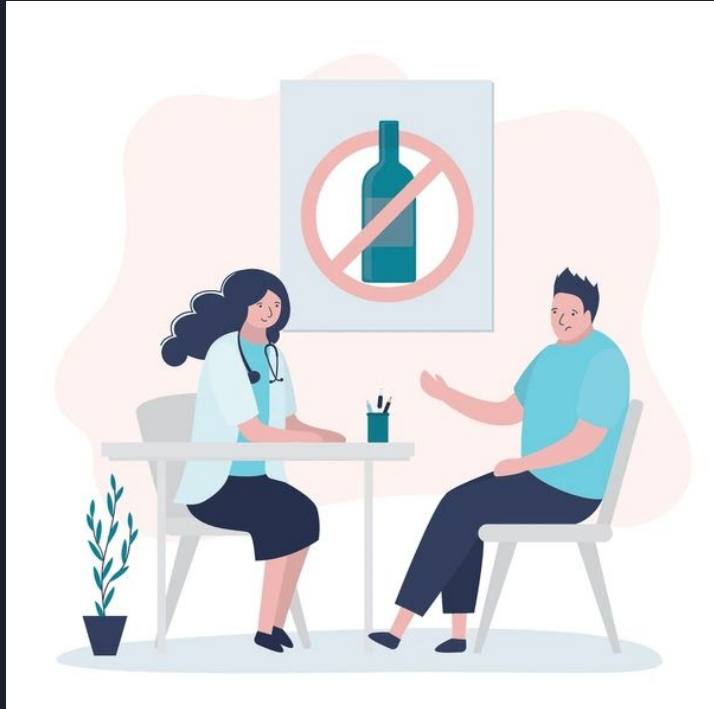Word of mouth is often insufficient and/or unreliable, as is the open internet

Problem Statement

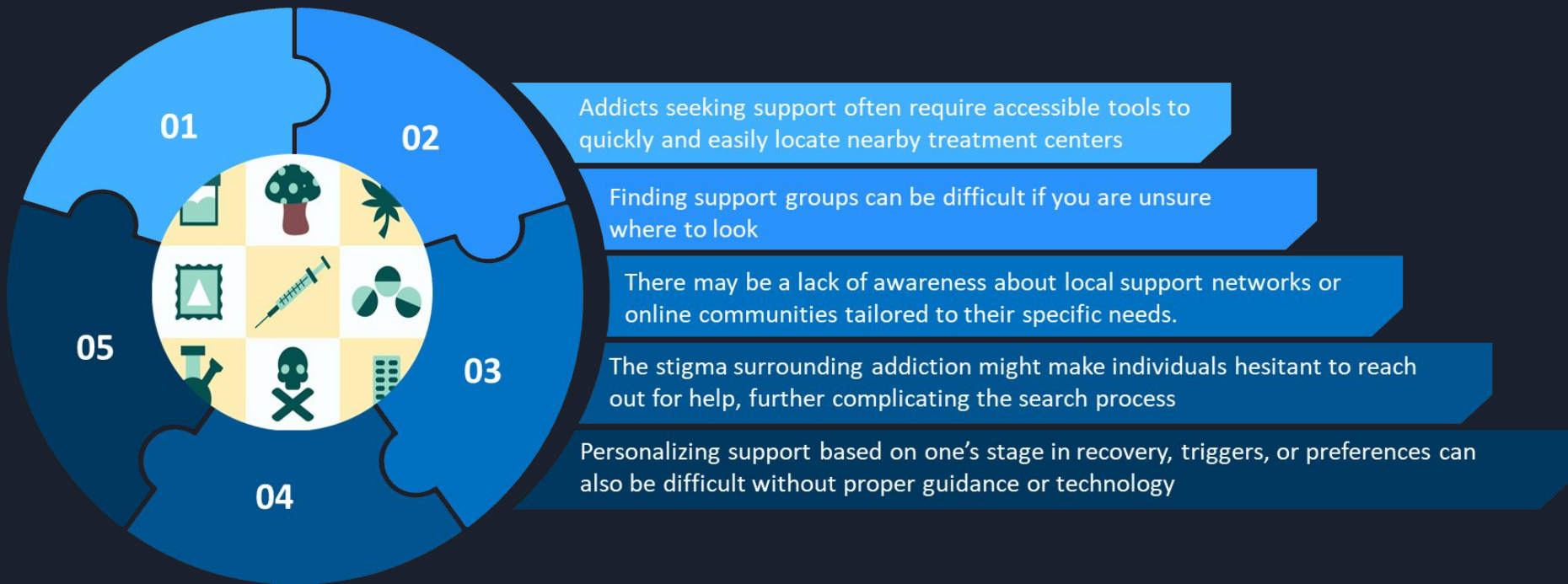**Individuals battling addiction struggle to access the support they need**

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

01

02 Addicts seeking support often require accessible tools to quickly and easily locate nearby treatment centers

Finding support groups can be difficult if you are unsure where to look

There may be a lack of awareness about local support networks or online communities tailored to their specific needs.

03 The stigma surrounding addiction might make individuals hesitant to reach out for help, further complicating the search process

05

Personalizing support based on one's stage in recovery, triggers, or preferences can also be difficult without proper guidance or technology

04

QUICK QUIT

Current Process Flow

Solution Statement

Quick-Quit is a mobile recovery platform designed to connect individuals with essential addiction recovery resources.
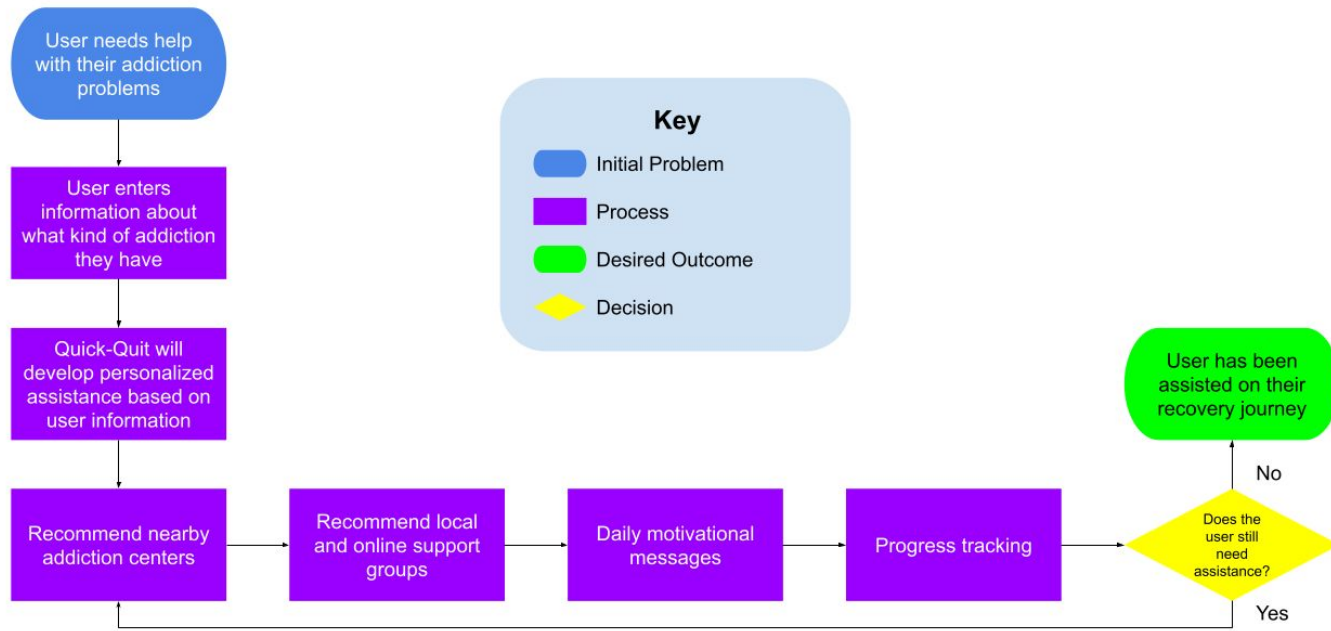
It supports users through their recovery journey by providing tools needed to find help quickly and efficiently, ensuring they stay on track toward sobriety and well-being.

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

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

⚠️ **WARNING**

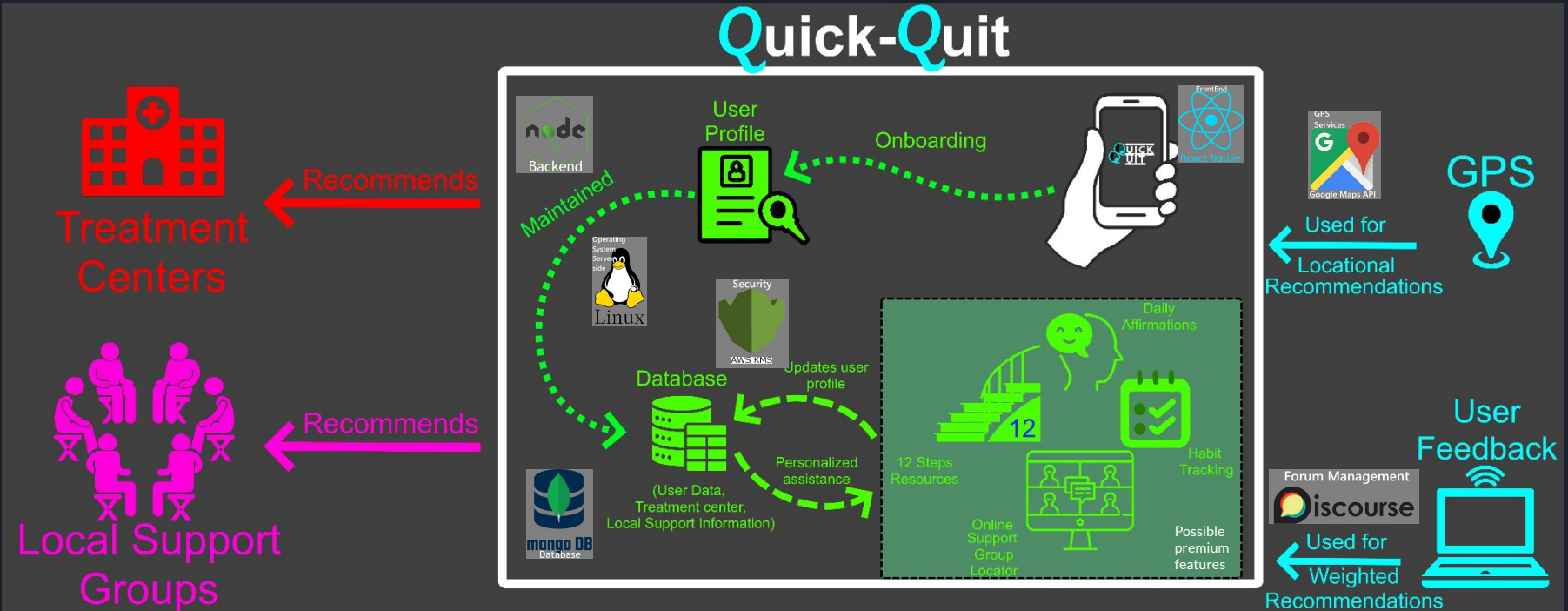| Risk	Impact (1 - 5)	Probability (1 - 5)	Solution Strategy
Data Breach or Security Vulnerabilities	5	3	End-to-end encryption, security audits / pen testing
System Downtime	5	2	Strong Cloud provider and data redundancy
Inaccurate GPS	3	2	Use Multiple Sources and allow user location input
Data Loss	4	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

Impact / Probability	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

Quick-Quit

QUICK QUIT

Treatment Centers — Recommends

Local Support Groups — Recommends

Node Backend

User Profile — Onboarding

FrontEnd React Native

GPS Services Google Maps API

GPS — Used for Locational Recommendations

Maintained

Operating System Server side — Linux

Security — AWS KMS

Database

Updates user profile

mongo DB Database

(User Data, Treatment center, Local Support Information)

Personalized assistance

Daily Affirmations

12 Steps Resources

Habit Tracking

Online Support Group Locator

Possible premium features

Forum Management — Discourse

User Feedback — Used for Weighted Recommendations

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