



Project Proposal

SmokeFree Hero

Team 10



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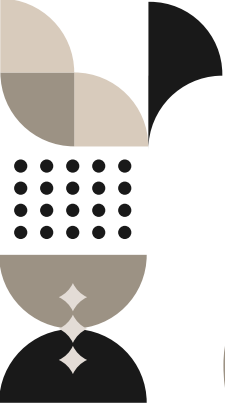
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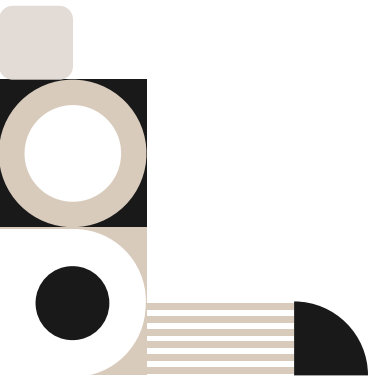
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01

Introduction



What is our app?

Our Aims

Our app is dedicated to supporting quitting smoke by providing functionalities such as tracking users' smoke-free progress, viewing associated financial and health benefits, and engaging in a community forum for mutual support and discussion with fellow smoke-quitters.

Features

- Users need to register and login before using the app, so that we can authenticate users and protect their privacy.
- Smoke-free time tracker allows users to see how long they have quit smoking and view their health and financial benefits since they quit.
- Online forum for users to share their thoughts and experiences in quit smoking so that current smokers can connect with ex-smokers who had been in the same situation, struggled and succeeded to get away.

Who is the target audience?

All Current Smokers

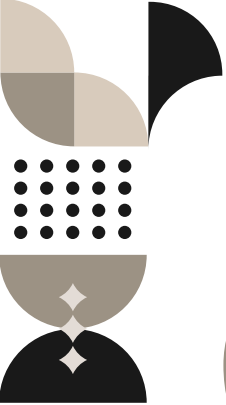
All current smokers could benefit from our app. We can track how long they have abstained from smoking and calculate the health and financial benefits they have gained from this single act, which helps them stay away from smoking with more persistency. It is also very meaningful that they can connect with others in the community through our forum.

People who Wants to Learn More

Many people may not smoke themselves, but do have a family member or friend who smokes. They can use our app and join the forum to learn more about quit smoking to help people who are close to them and perhaps they will even recommend our app to help their close ones!

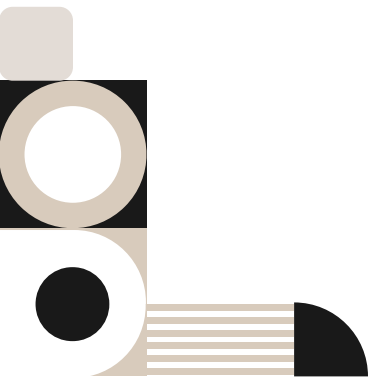
Why would we build an app like this?

Smoking is not just a bad habit. It is also a mirror that reflexes people's mental health. Some smokers resort to smoking to relieve their stress, dealing with their unresolved emotions, or searching for an escape from the day-to-day life. The underlying psychological issues are the real reason behind the smokers who are having trouble staying away from smoking. However, smoking is unhealthy and not a long-term solution to the real problems people are facing. That is why we build this APP that integrates the ideas of behavioral therapy and designed for those in need. The most important feature that distinguishes us from other smoke-quitting APPs is the forum that serves as a platform for the users to connect with others who are going through or had gone through the same process.

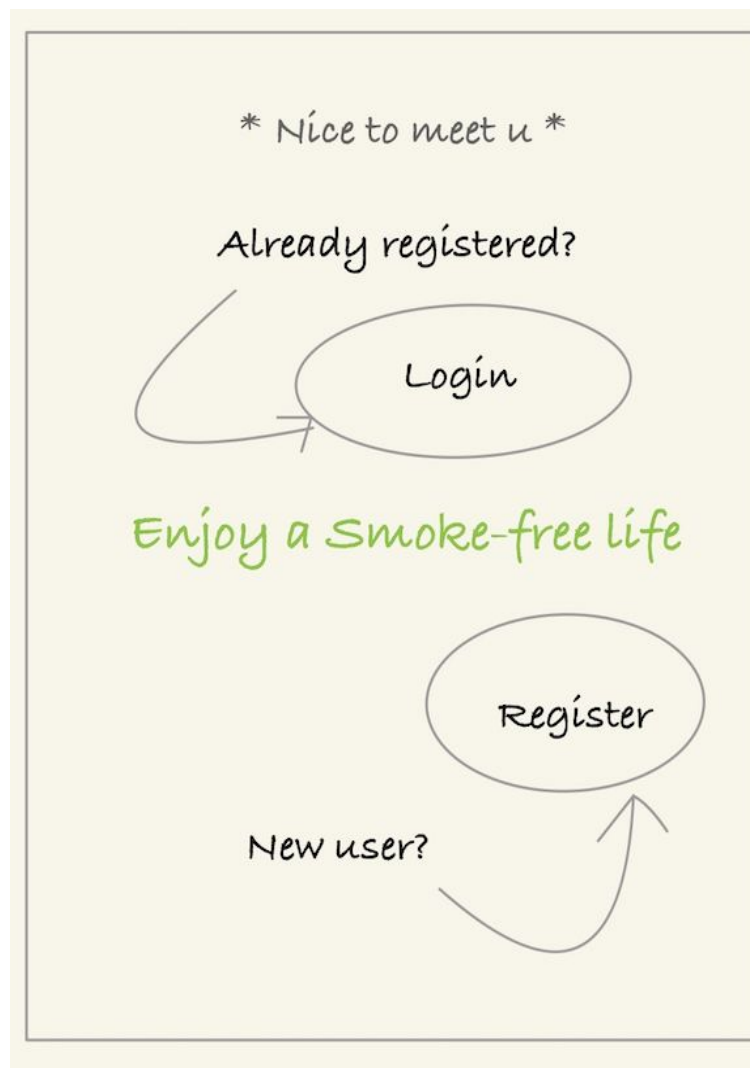


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Draft Design

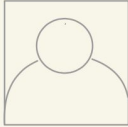


Landing Screen



Register Screen

Get your
Smoke-free
journey
started!



Name:

Email:

Password:

Be on our mailing list? ☒

Log in
to your
account

User name/Email:

Password:

Login screen

Homescreen

Congrats! You've
been smoke-free
for

68 days!

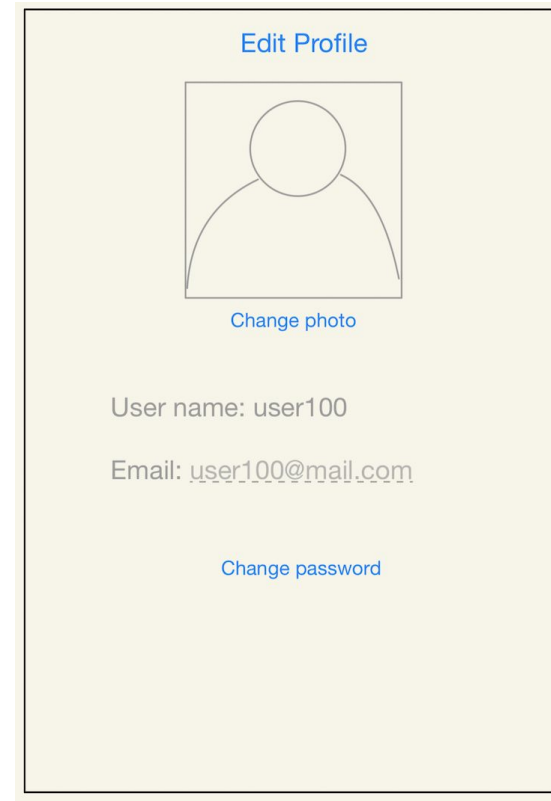
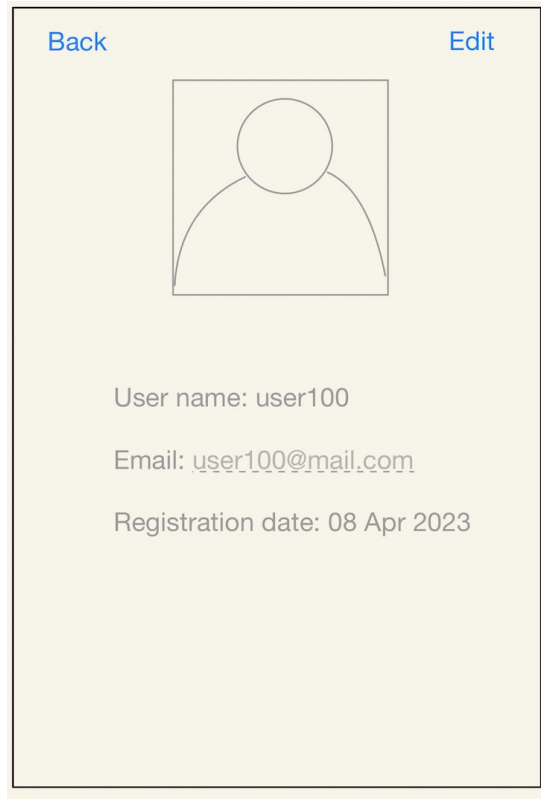
Share my experiences with
other people on our forum

Share my progress on
social media

Go to my profile



Profile Screens



Forum Screen

Online Forum	
Post 1	
Post 2	
Post 3	
....	
....	
...	
...	
(Window for start a new discussion)	Post

<div><div></div><div>(User name)</div></div>	Title of post	
	Details	
(Profile image and screen name of user)	User comments	
(Textfield)		Post

Post detail Screen



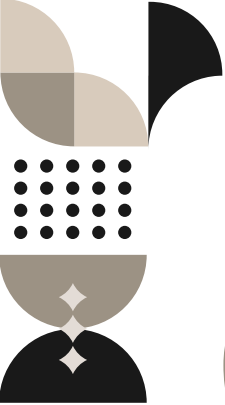
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Screen-to-screen Flow



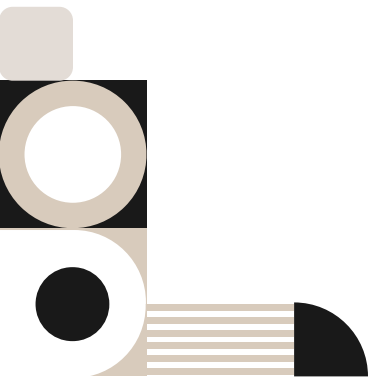
Flow between screens

- When a user opens the app, the first screen comes up is the landing screen. From the landing screen, the user can either go to the register screen or the login screen.
- If a user chooses to register, they will be redirected to the login screen if the registration is successful.
- If a user already has an account or has just registered, the user can login with credentials and will be redirected to the homescreen if the login is successful.
- In the homescreen, users can use the smoke-free tracker (enter the last time that they smoked and view smoke-free time). Users can also go to their profile or the forum from the homescreen.
- In the profile screens, users can view their profile (username, picture, etc., created with information they registered with) or edit their profile in another screen (automatically directed by after editing). Finally, they can go back to the homescreen with back button.
- In the forum page, user can view discussion threads and create posts or responses. They can also go back to the homescreen with back button.



04

Backend



User Authentication

Firestore Authentication

Firestore Authentication provides a secure and seamless way to manage user authentication in our iOS app. Users will be able to sign up, sign in, and manage their accounts with various authentication methods such as email/password, social media logins, and more.

Rationale

- User Registration and Profile Management: Users can easily create accounts and manage their profiles.
- Secure User Authentication: Robust authentication mechanisms will protect user data.
- Social Media Integration: Users can log in using their existing social media accounts, enhancing user engagement and retention.

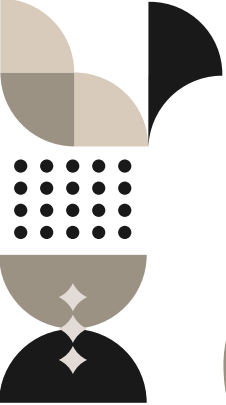
Database

Firestore Realtime Database

Firestore Realtime Database is a NoSQL cloud database that provides real-time synchronization, making it an ideal choice for maintaining live data within the app.

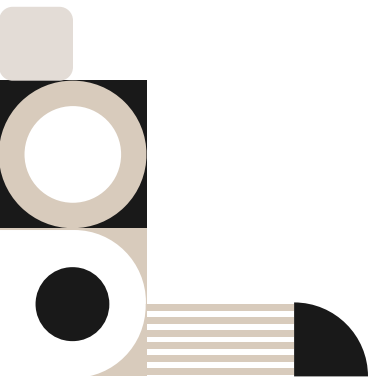
Rationale

- **Real-time Data Updates:** Any changes made by one user will be instantly reflected to all others, providing a dynamic user experience.
- **Offline Access:** Users can access the app and its data even when offline, with changes syncing when connectivity is restored.
- **Scalability:** The database can scale with the application's growth, ensuring responsiveness even with increased user activity.



05

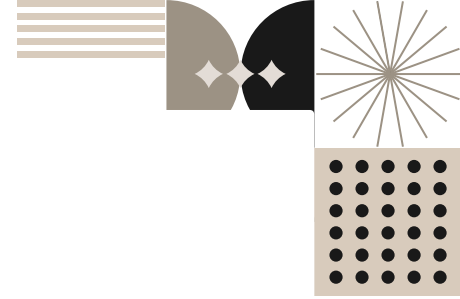
Sensors



Sensors

Camera

When creating account, users will have an option to add a profile photo or they can add it later in the edit profile function. They will do so by choosing from photo library or *camera*.



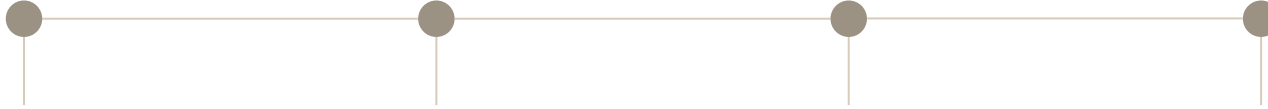
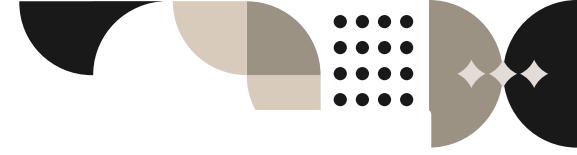


06

Concluding Remarks



Project timeline



Design Project

Design the user interface, screen-to-screen-flow, backend, and sensors, etc.
Finish by Oct 27

Build a Prototype

Build a prototype of the envisioned app, with all essential functionalities.
Finish by Nov 10

Develop the Final App

Develop the complete app based on prototype. Do necessary tests.
Finish by Dec 1

Video Presentation

Create a video presentation of the app, including intro and demo.
Finish by Dec 1



**Thank
You!**

