

Project 5

Conqueror.

Climb guide
App+Google glass

An App with google glasses give climbers a climbing guide



Target user
primany rock climber
climbing route explorer

INSPIRATION

In recent years, the broad masses of people to fitness awareness is more and more intense, and began to pursue a kind of close to nature and fitness combined exercise way. The rock climbing, which is fitness, entertainment and close to nature, has attracted people's attention and love. However, this sport is exciting and difficult, especially for junior rock climbers.



If there are a guide or coach when I am climbing would be a nice experience.



All of these can reduce the interest of the climbers in rock climbing. So I begin to think, how could I improve the rock climbing experience?

EMPHASIZE

Questionnaire Investigation

1. How long have you been climbing?
A. < 1 year B. 1-3 years C. > 3 years

2. How do you usually choose your climbing partner?
A. In the climbing club B. FIxed partner C. Usually clibming alone

3. How to determine the outdoor climbing route?
A. Follow others B. Follow coach C. Explore by myself

4. Do you like to compete with friends during the rock climbing?
A No B. Yes

5. Have you ever unable to found the route during outdoor rock climbing?
A. No B.Yes

6.Do you want the advice from experienced people when you climb out doors?
A. Route proposals B.Obstacle hints C. Danger alert D. Others

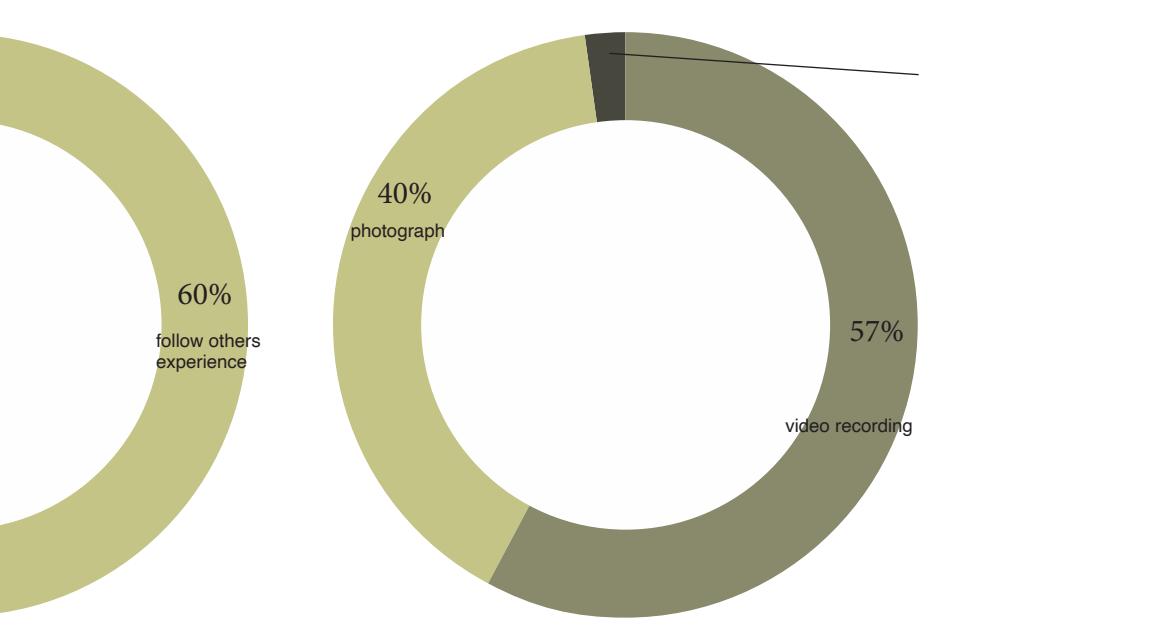
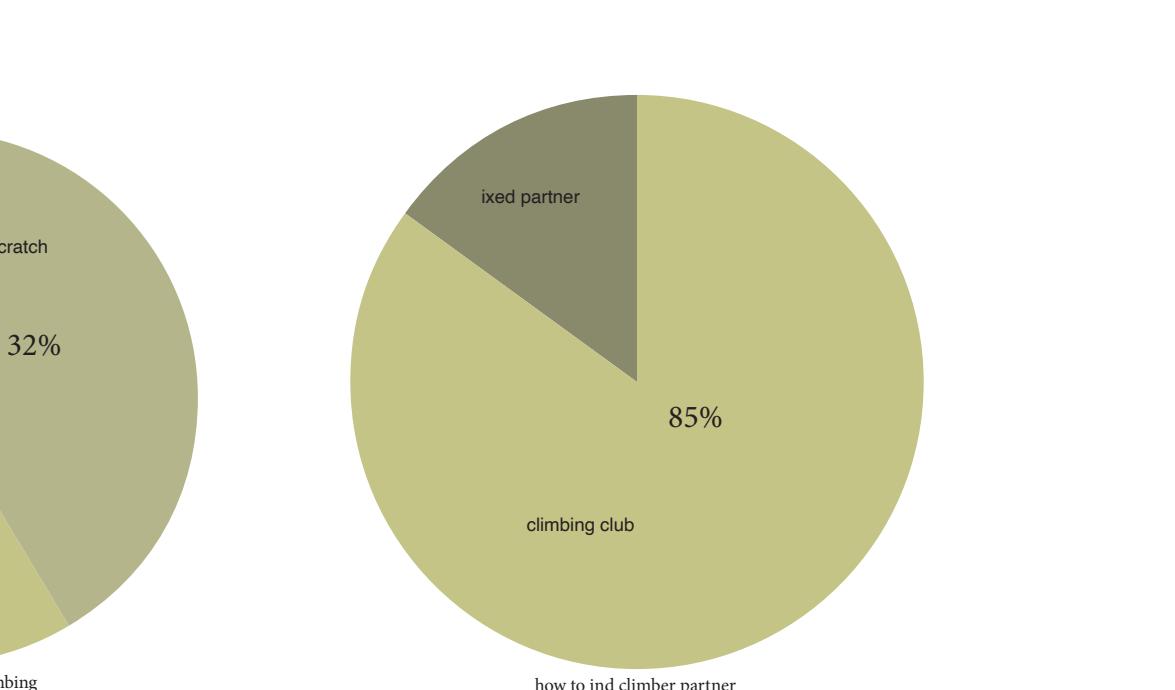
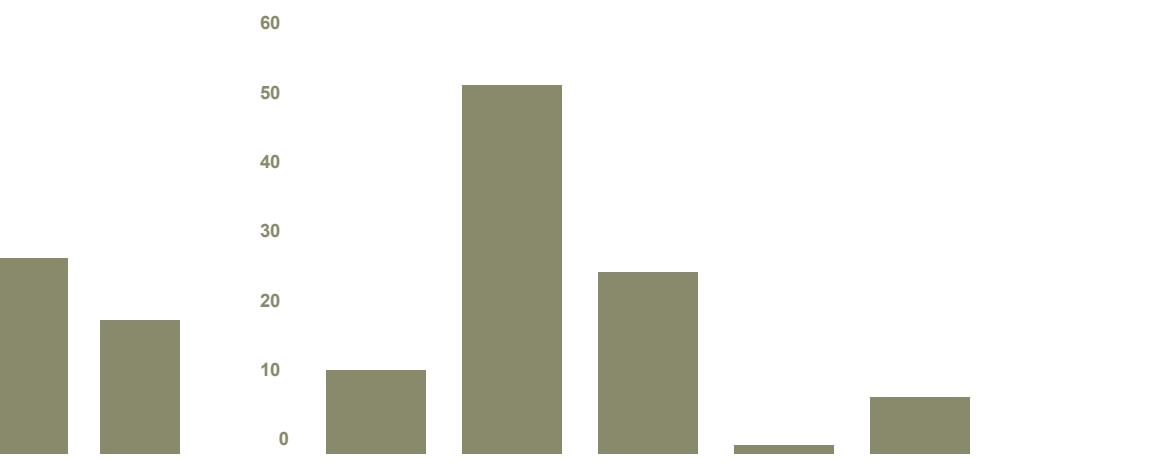
7. How do you record your rock climbing?
A. Video recording B. Keep a diary C. Photograpg D. others

8. Have you ever had an accident in rock climbing?
A. No B. Muscle strain C. Cramp D. Scratch E. Physical fatigue

9. Have you feel there are more people interest in rock climbing than before?
A. Rapid growth B. Growth Steady C. No change D. slowly deceease

10. What is the most desirable problem you want to be solved in the rock climbing?

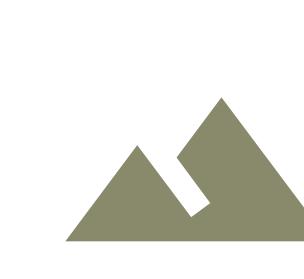
45 climber in the climbing club took part in this survey. he survey revealed the following results.



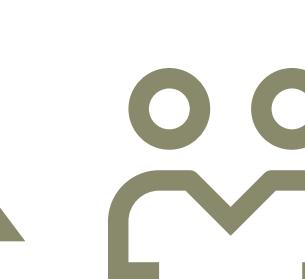
Function Blueprint For follower

PHASES

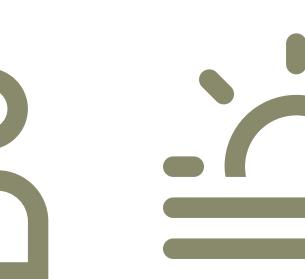
Before Climbing During Climbing After Climbing



Schedule



Choose a place



Terrain detection



Ask partners



Check weather



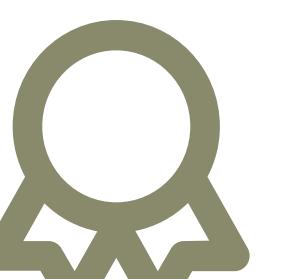
Preparing equipments



Find the route



Follow the route



Compete with friends



Recording



Share experience

FOMER

CUSTOMER

ACTIONS

FUNCTIONS

Manage time
Terrain preview
Premark the route

Preview the route
Mark the route
Give hints with voice
Alarm

OPTIMIZED

CUSTOMER

ACTIONS

Choose a suitable time
Easy to find partner
Easy to find a suitable route

Preview the route
Easy to mark the route
Easy to give suggests
Easy to recording

Persona



Name : Chris

Age: 22

Job: University student

He is the member of climbing

club in the university. He has

been climbing one years.

Scenario

One day Chris and his friend want to go to Siming mountain to climb. They ask the coach who have been to there for a suggest about the route. After coach give them a suggestion, they drive to that place. It takes lots of time to find that place. During the climbing, Chris do not know where to tread because it is his first time climb by themselves. His friends give him some advices he could begin with the big rock and follow the crack. Chris use gopro to record their climbing. After their climbing, Chris share his experience and video to other climbing club member.

Behavior

Chris:
Ask coach a suitable route
His friend give he some advice about tread
Share his experience with club member

Pain Points:

Chris:
Do not know choose a suitable route
Do not know where to tread
More climber want to know those experience.

I think it is important to give climber a AR route guide. Not only could help them find the suitable route, but also they could get the hits from pre-climber. On the other hand, AR could give a better connect between climber

Prototype

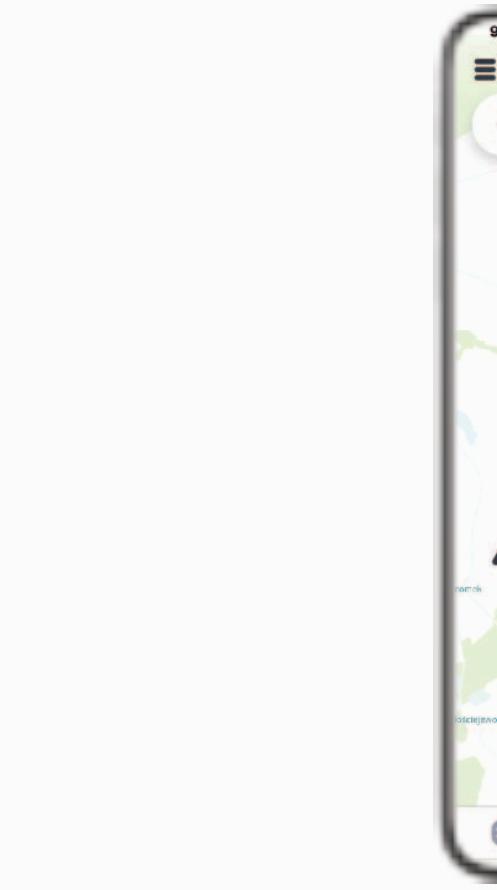
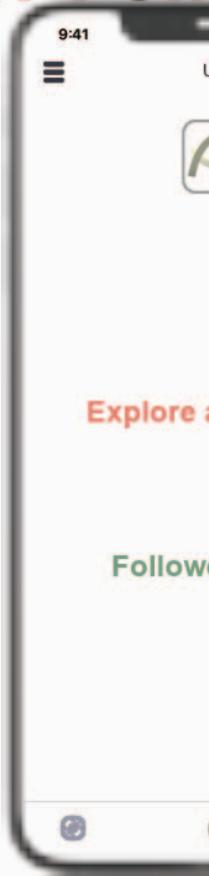
00 Looking for information



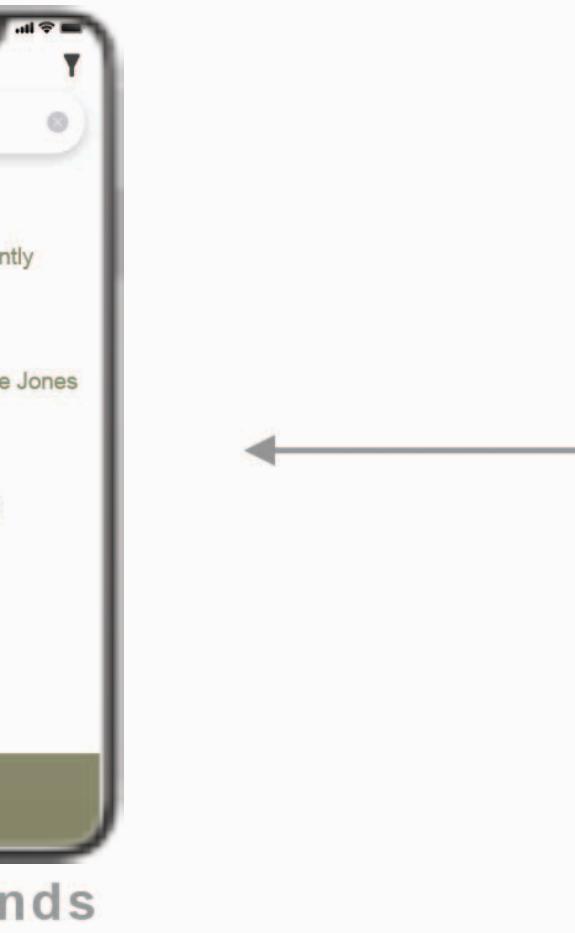
01 Before climbing



For Follower

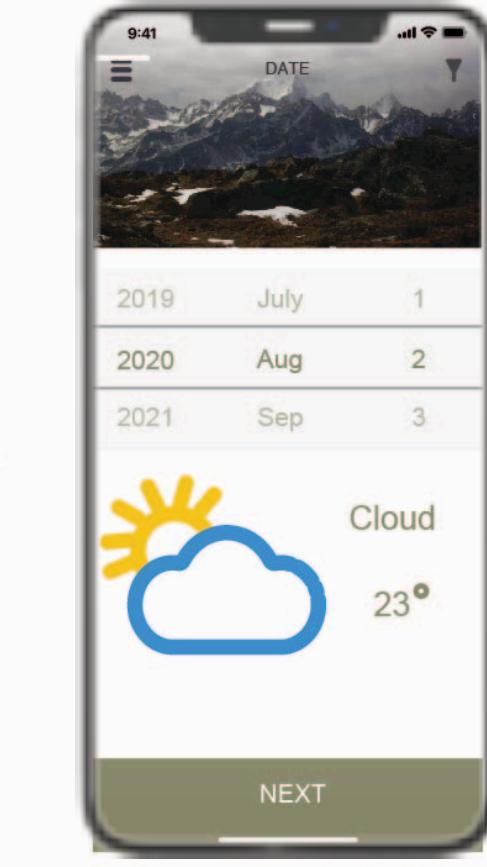


choose a mountain



Finished
Add to Google glass

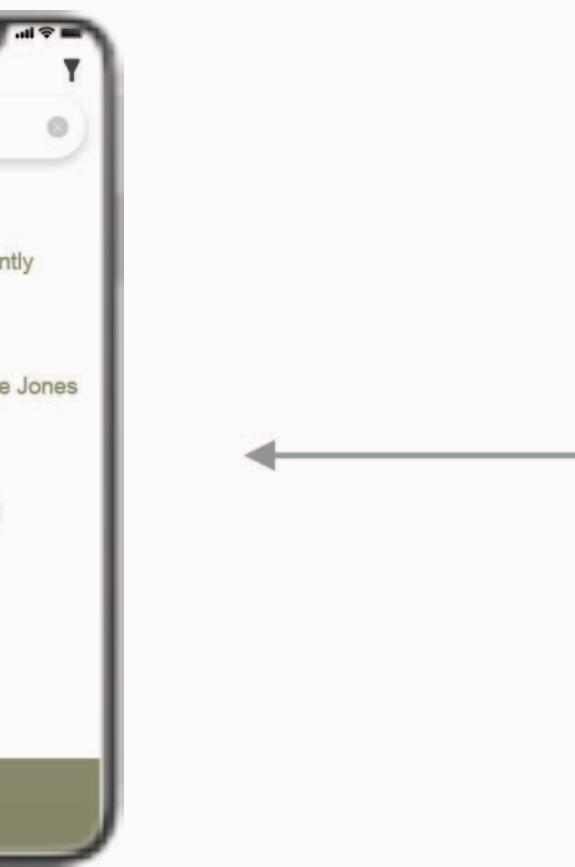
Invite friends



choose date

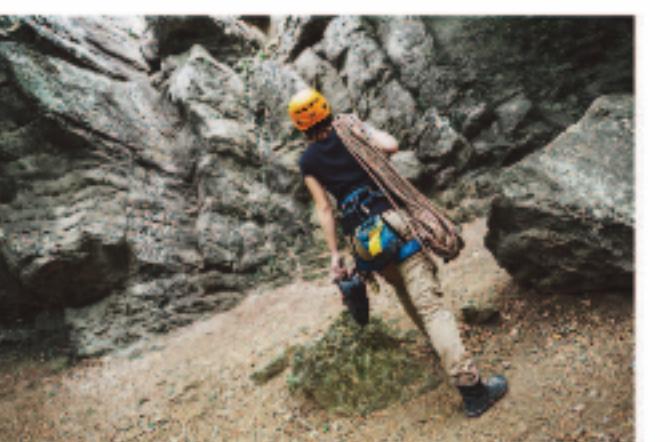


choose a route

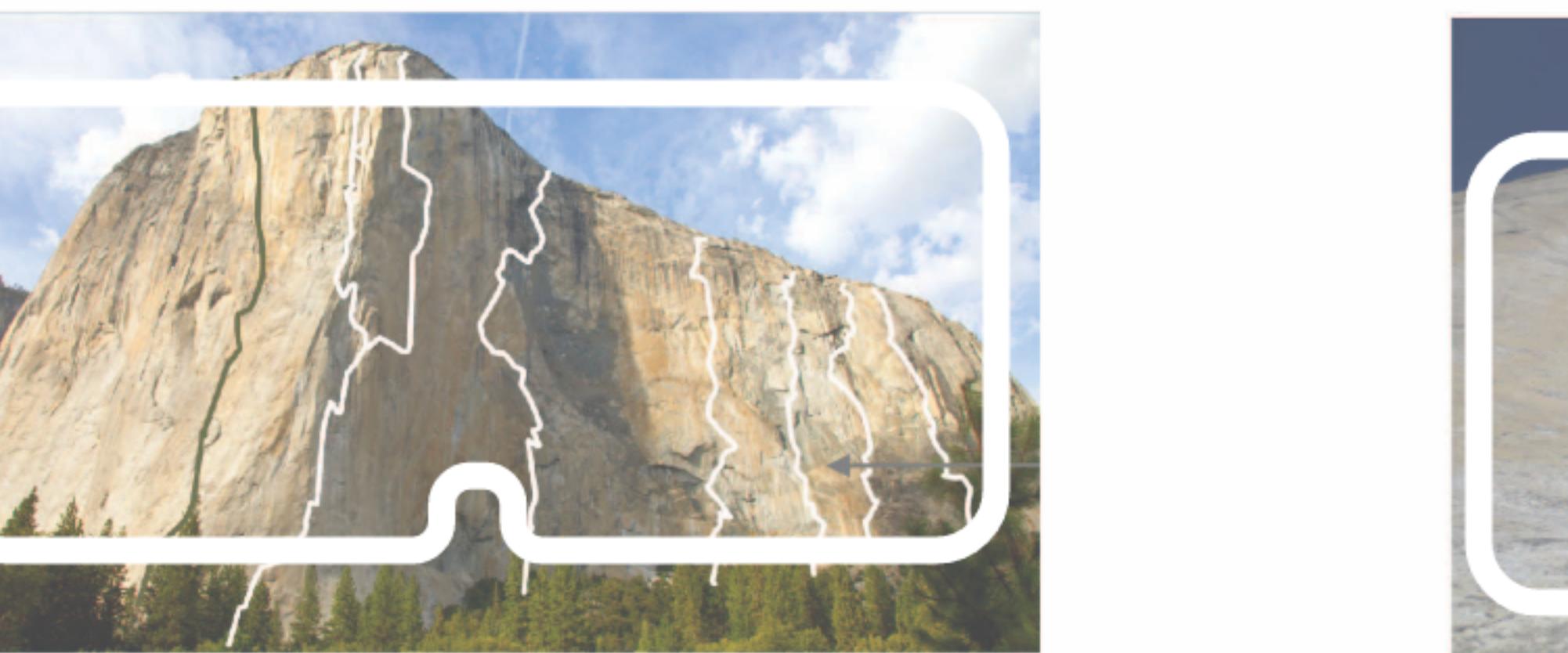


choose date

02 During climbing



“Hi conqueror,
show/hide guide”



locate the route



climb guide

“Hi con
comme



“Hi conqueror, talk
with Anna”



Talk with friends

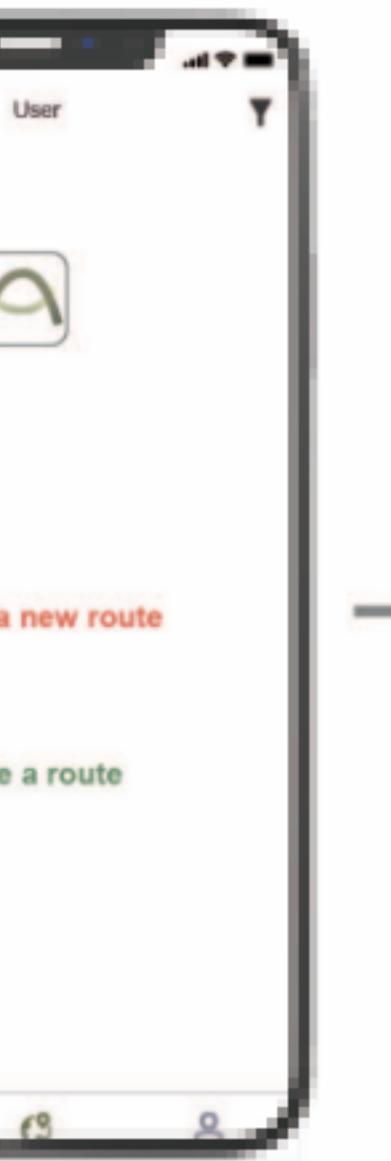
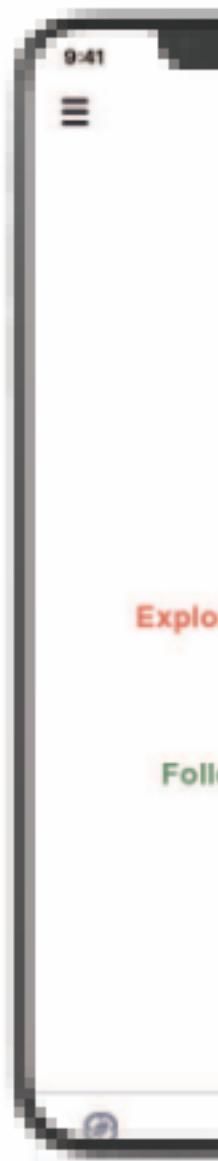


recording

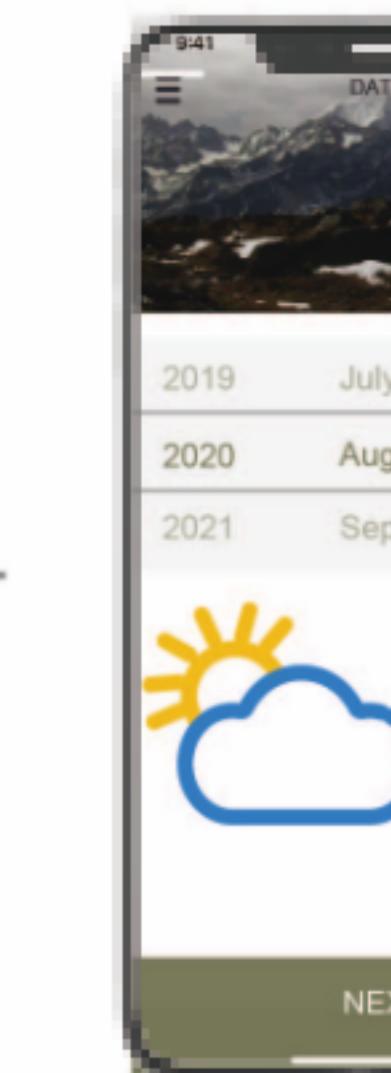
“Hi c

For Explorer

01 Before climbing



create a newplace



choose date



draw new routes