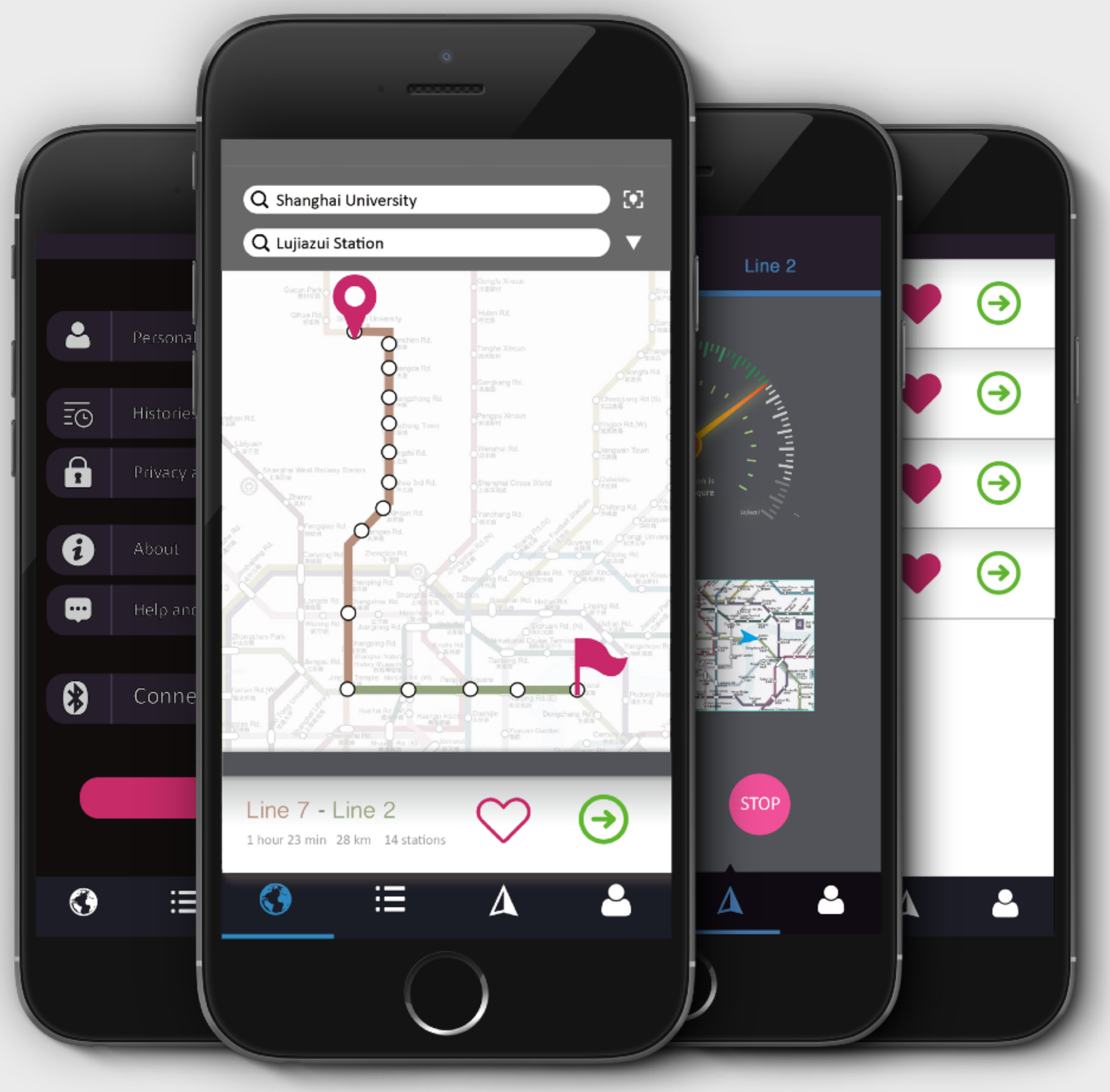
Sub-Sleep

APP UI DESIGN


Shanghai University
Lujiazui Station
Line 7 - Line 2
1 hour 23 min 28 km 14 stations
Personal
Histories
Privacy a
About
Help and
Conne
Line 2
STOP

Sub-Sleep

Guang-Rui Fan

Tongji University-Design and Innovation college-Industrial Design

Bauhaus University-Media Architecture-IDE

Interface Design Project

E-mail: guangruifan1992@gmail.com

At first……

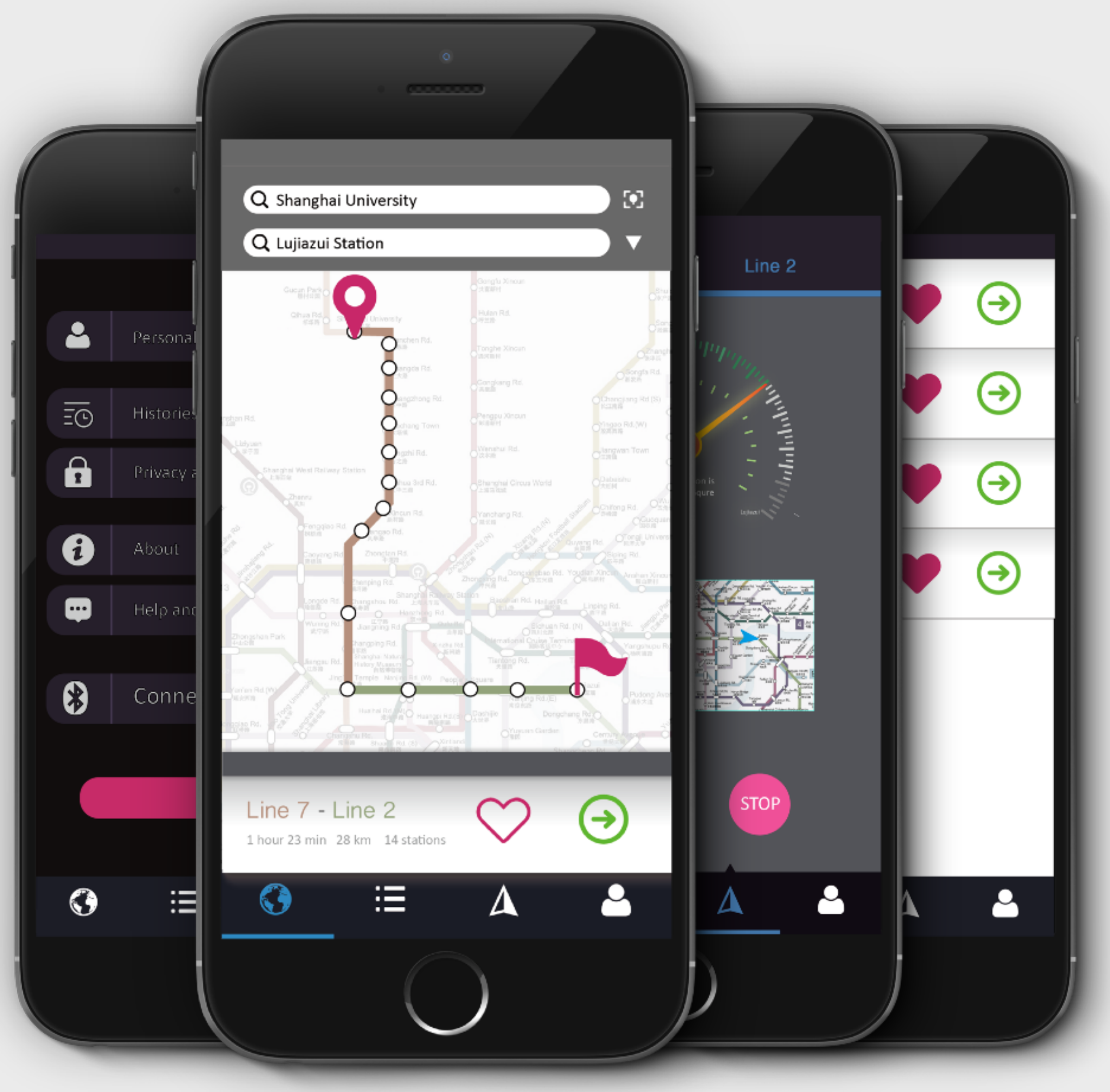
A service design to solve problems of the farmers in rural areas of China

Lucas Guangrui Fan
MediaArchitecture /Bauhaus University Weimar
Industrial Design/ Tongji University

Email: lucasfan@foxmail.com

Sub-Sleep

APP UI DESIGN


Personal
Histories
Privacy
About
Help and
Conne
Shanghai University
Lujiazui Station
Line 7 - Line 2
1 hour 23 min 28 km 14 stations
Line 2
STOP

Sub-Sleep

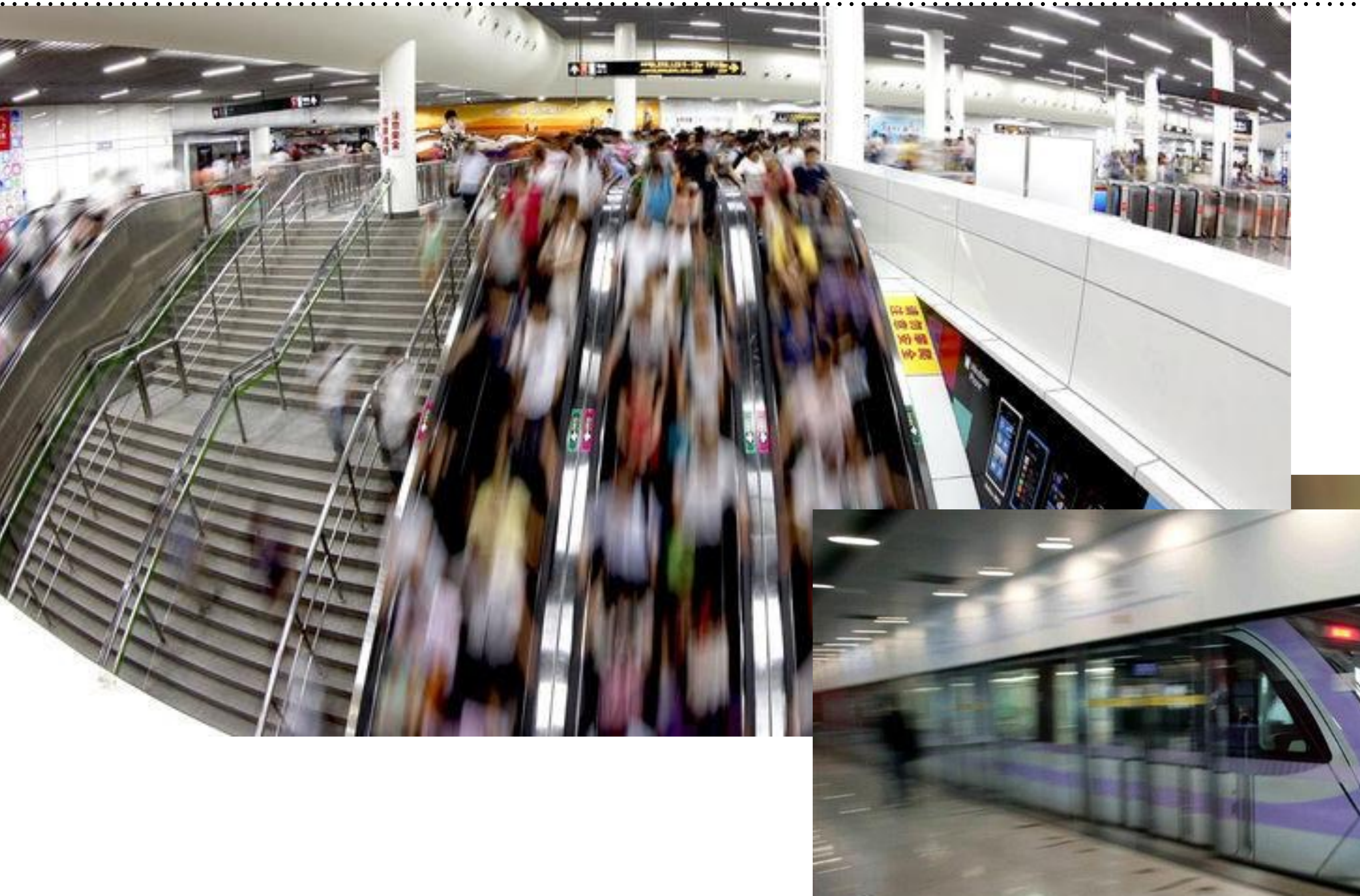
Guang-Rui Fan

Tongji University-Design and Innovation college-Industrial Design
Bauhaus University-Media Architecture-IDE

Interface Design Project

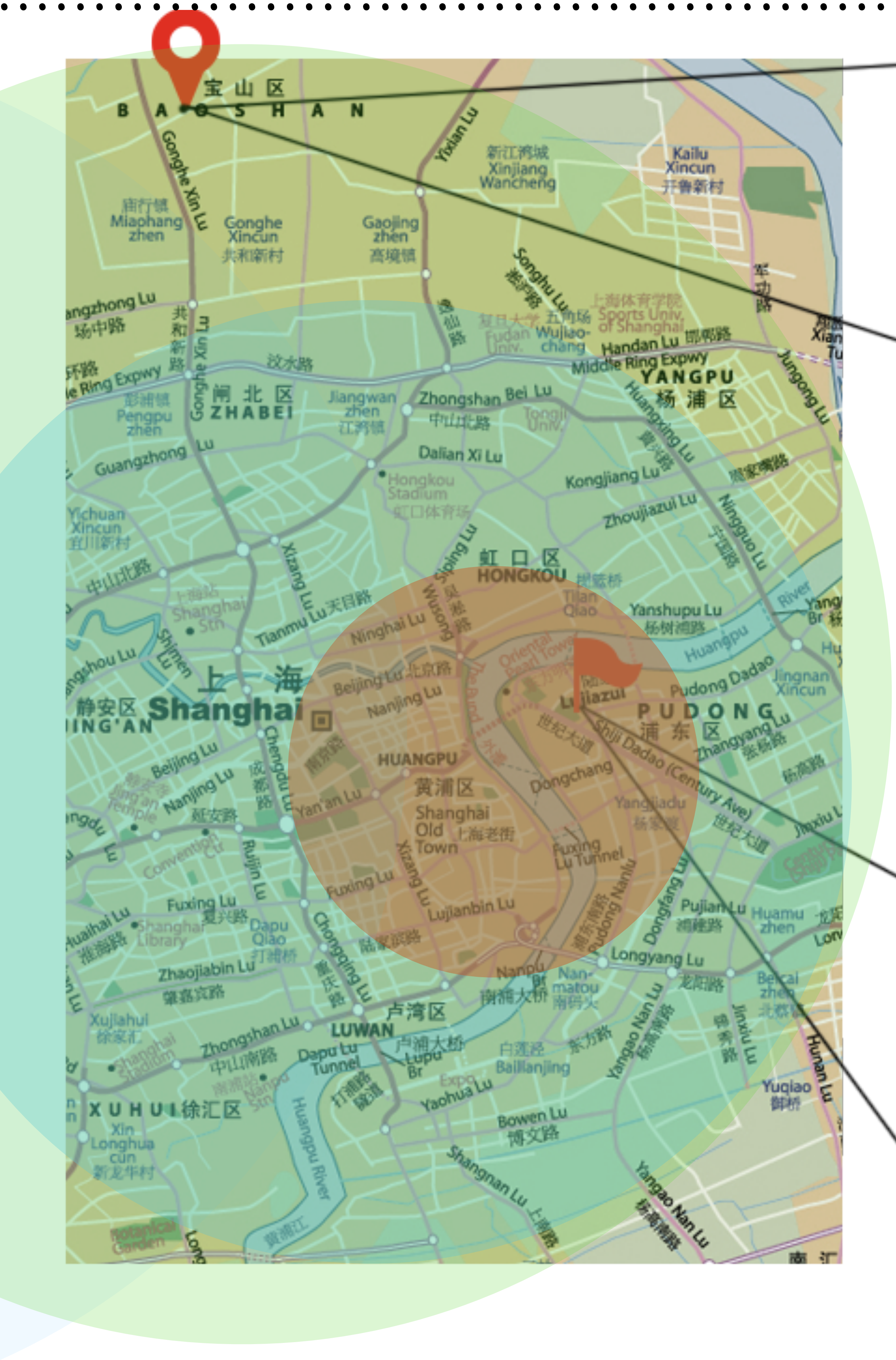
E-mail: guangruifan1992@gmail.com

www.mylifebits.org



Sub-Sleep

APP UI DESIGN

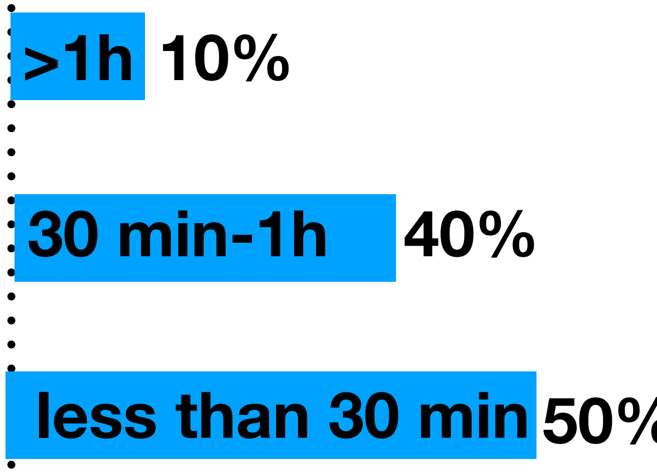

宝山区
BAOSHAN
ZHABEI
闸北区
YANGPU
杨浦区
HONGKOU
虹口区
Shanghai
上海
JING'AN
静安区
HUANGPU
黄浦区
PUDONG
浦东区
Lujiazui
LUWAN
卢湾区
XUHUI 徐汇区

Her home near Shanghai University

Lack of sleep

Spend 3 hours in subway

Her company at Lujiazui CBD



Commuters in Shanghai
Time spent in public transportation

Shanghai Academy of Social Sciences 2015

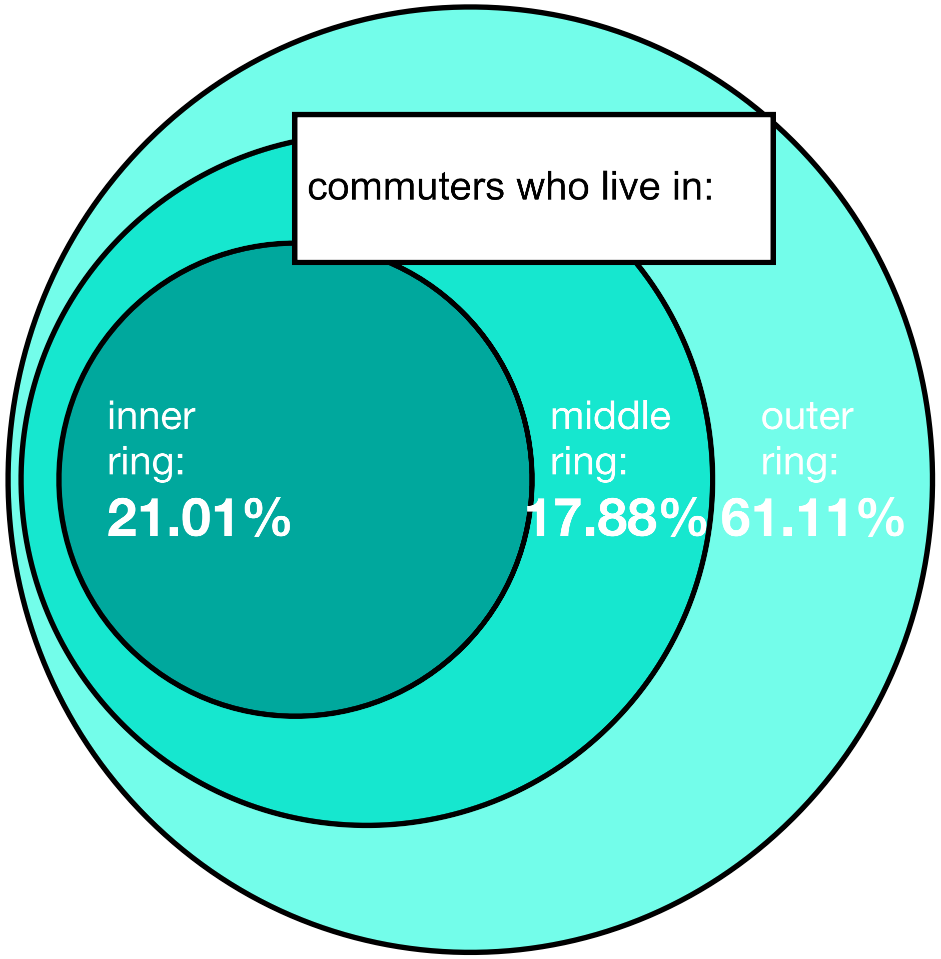
上海地铁
Shanghai Metro

Number of lines
14
Number of stations
364
Daily ridership
9.29 million (2016 avg.)
11.867 million (record)

https://en.wikipedia.org/wiki/Shanghai_M

Shanghai Metro Flow

https://vimeo.com/82303397


commuters who live in:

inner ring: **21.01%**

middle ring: **17.88%**

outer ring: **61.11%**

Shanghai Academy of Social Sciences/2015

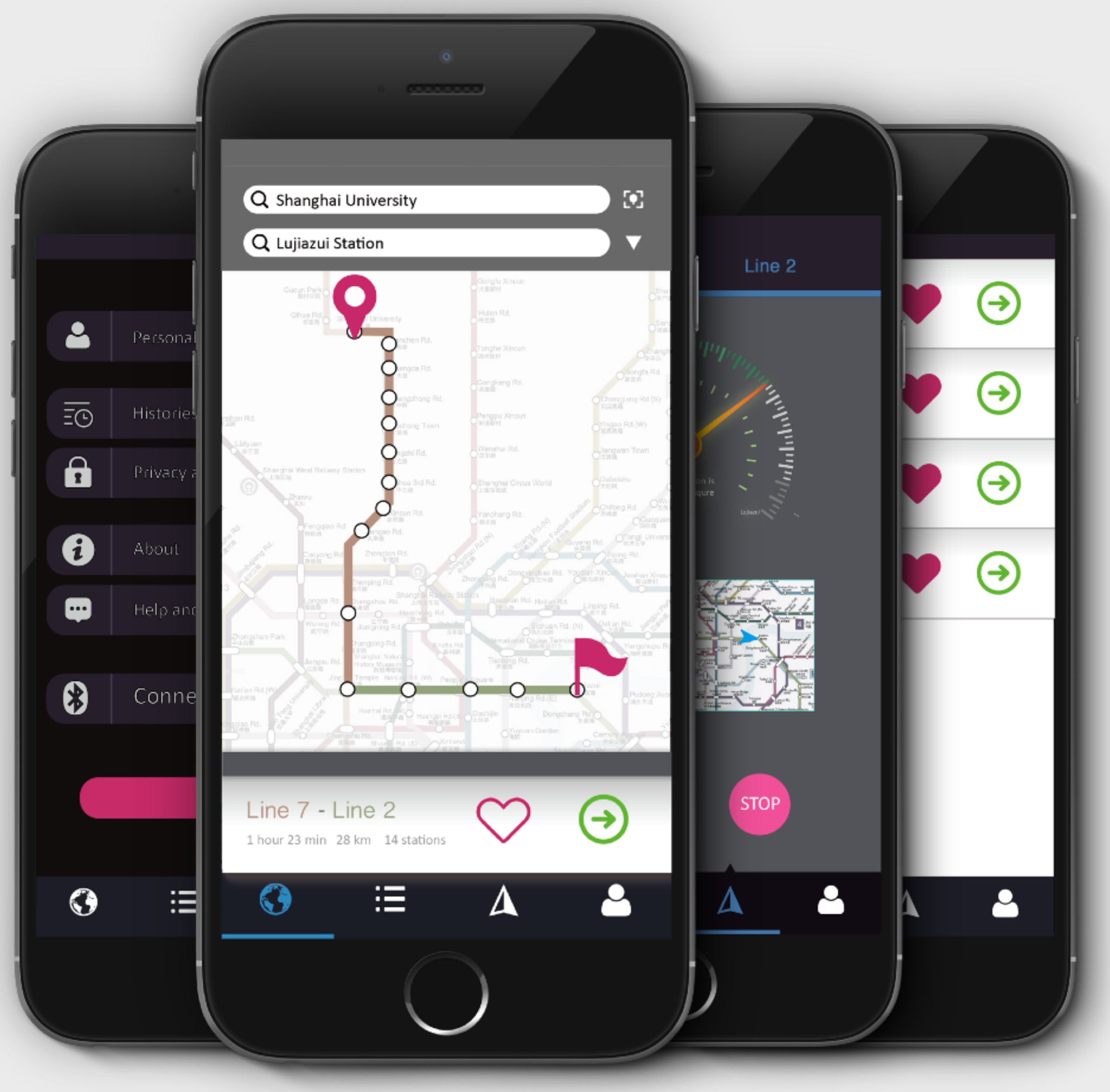
Wifi in Subway Carriage

good public security

long-distance lines

Sub-Sleep

APP UI DESIGN



Shanghai University
Lujiazui Station
Personal
Histories
Privacy
About
Help and
Conne
Line 2
STOP
Line 7 - Line 2
1 hour 23 min 28 km 14 stations

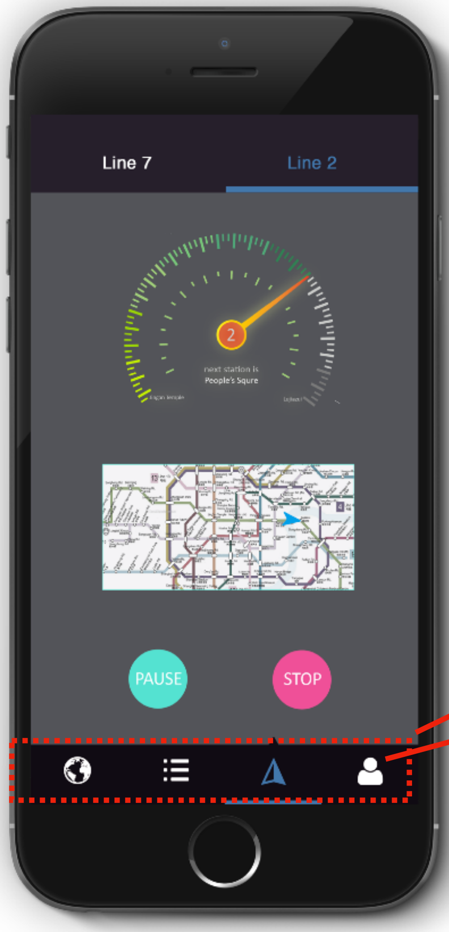
Sub-Sleep

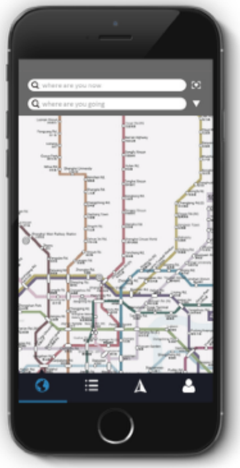
Many people in Shanghai spent **1-3 hours in the subway** going to work and going home every day, thus leading to a lack of sleep. These people may **take a nap** to have a rest in the subway. But the biggest concern is that they may **oversleep and miss the stop.**

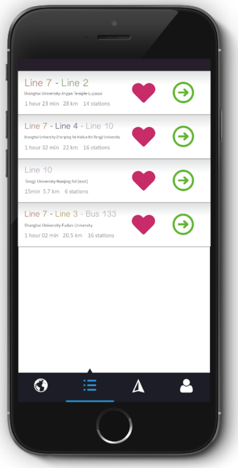
This app aims to help those commuters who need to sleep in subway **prevent oversleeping.** With the map and location-based alarm, the APP can get the user’s location, lines and destination so the user can sleep confidently before wake up in time.

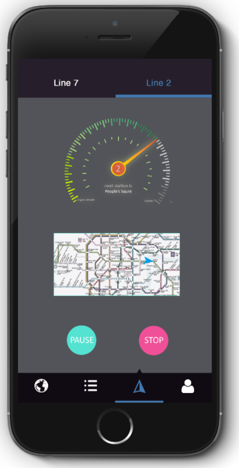
Sub-Sleep

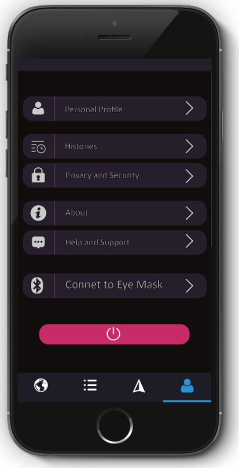
APP UI DESIGN


Line 7
Line 2
next station is
People's Squre
PAUSE
STOP

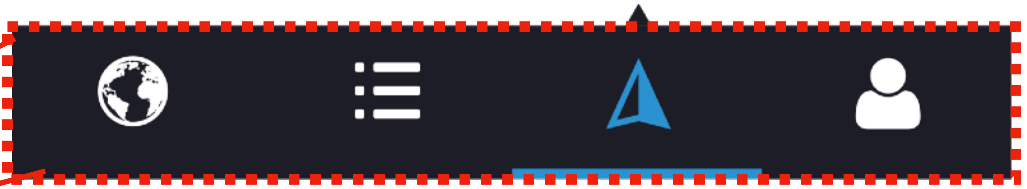

Maps


Saved


Running lines


Settings

Personal Profile
Histories
Privacy and Security
About
Help and Support
Connet to Eye Mask



Maps: location detecting/routes planning

Saved: high frequency lines the users use

Running lines: lines that are using by the user

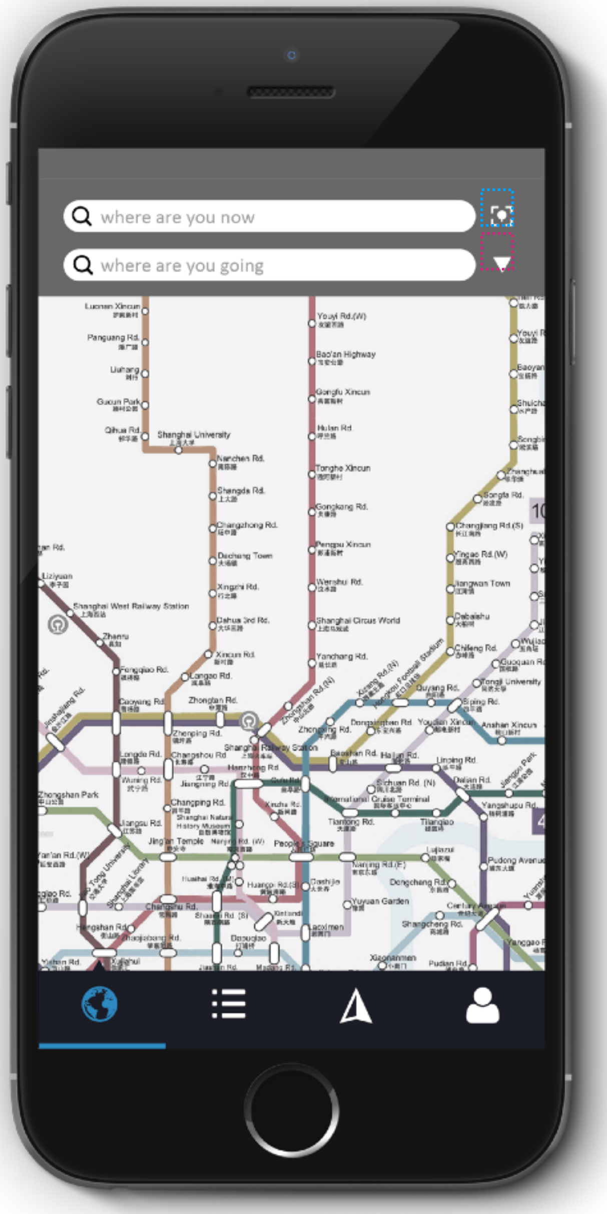
Settings: system settings configuration

Maps

Sub-Sleep

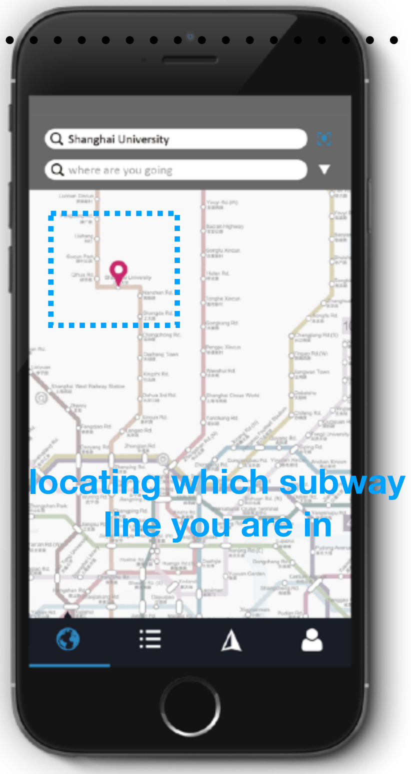
APP UI DESIGN

Maps



where are you now

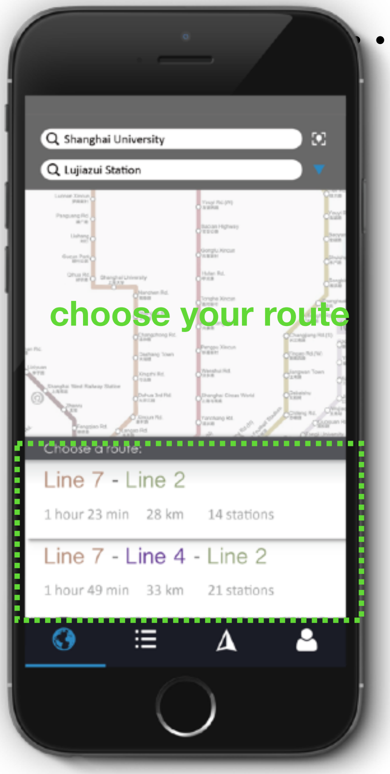
where are you going



Shanghai University

where are you going

locating which subway line you are in



Shanghai University

Lujiazui Station

choose your route

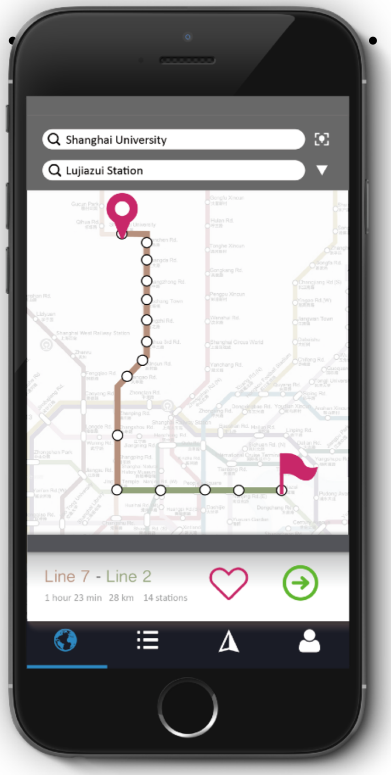
Choose a route:

Line 7 - Line 2

1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 2

1 hour 49 min 33 km 21 stations

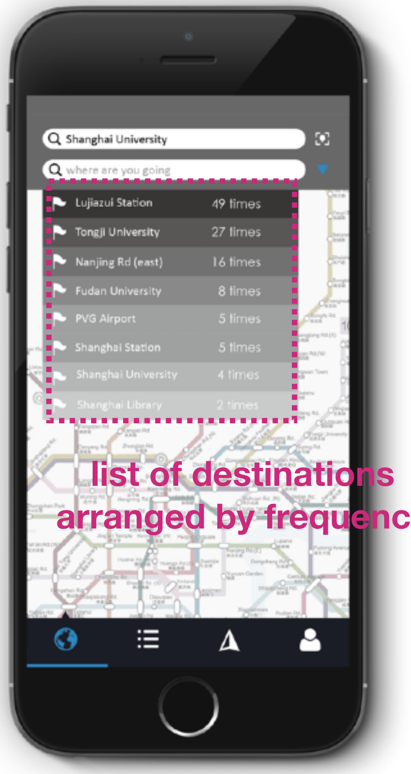


Shanghai University

Lujiazui Station

Line 7 - Line 2

1 hour 23 min 28 km 14 stations

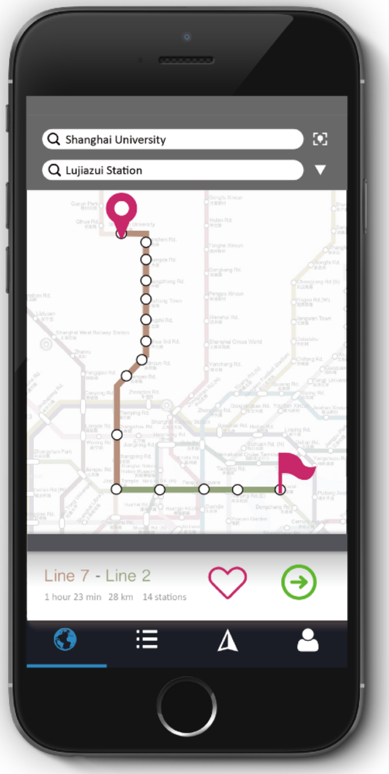


Shanghai University

where are you going

Lujiazui Station	49 times
Tongji University	27 times
Nanjing Rd (east)	16 times
Fudan University	8 times
PVG Airport	5 times
Shanghai Station	5 times
Shanghai University	4 times
Shanghai Library	2 times

list of destinations arranged by frequency

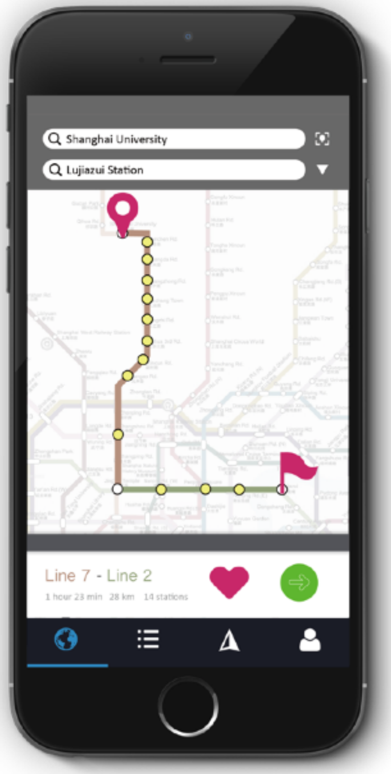


Shanghai University

Lujiazui Station

Line 7 - Line 2

1 hour 23 min 28 km 14 stations

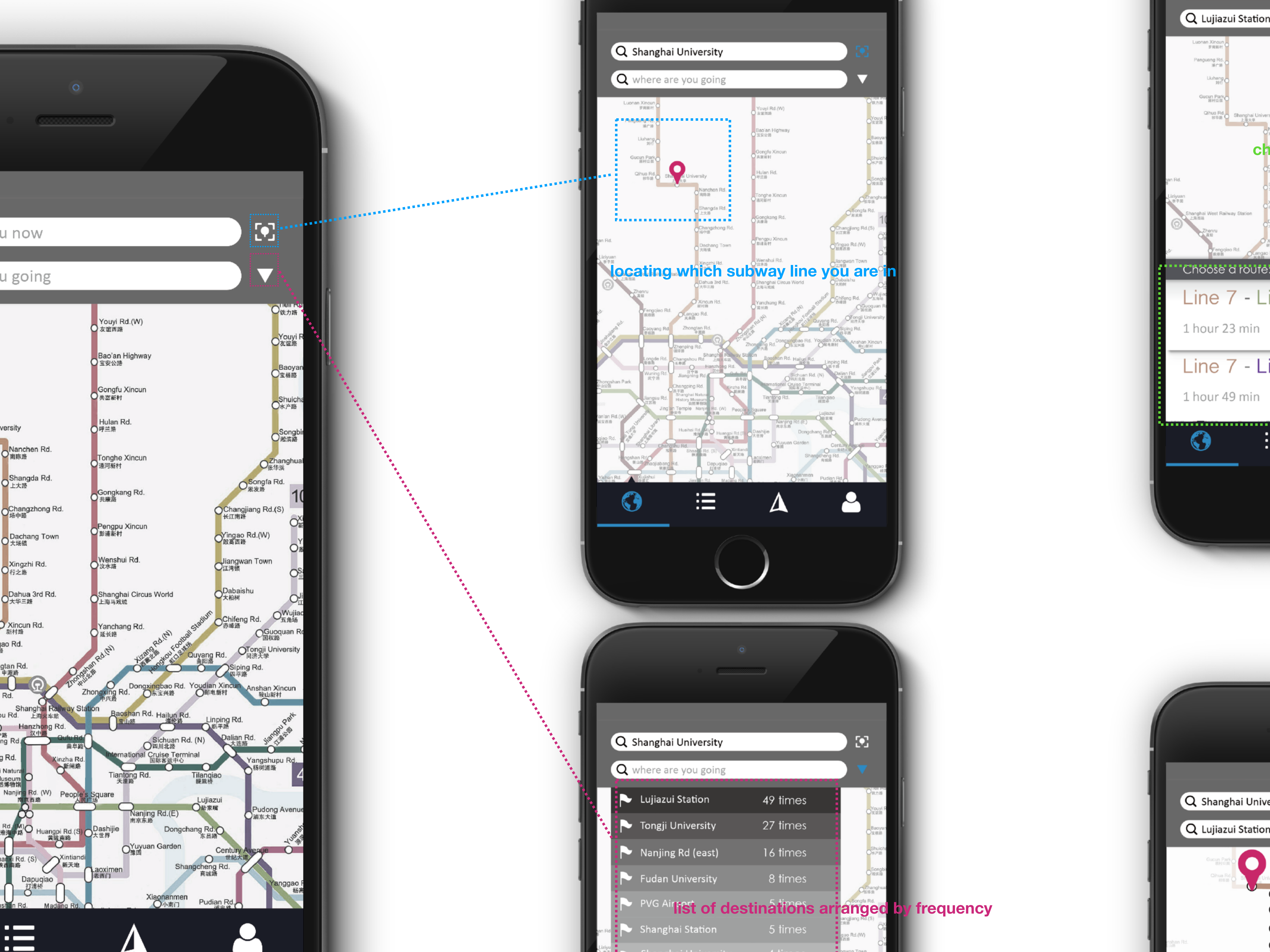


Shanghai University

Lujiazui Station

Line 7 - Line 2

1 hour 23 min 28 km 14 stations


u now
u going
Shanghai University
where are you going
Lujiazui Station
Choose a route
Line 7 - Li
1 hour 23 min
Line 7 - Li
1 hour 49 min
Shanghai Unive
Lujiazui Station

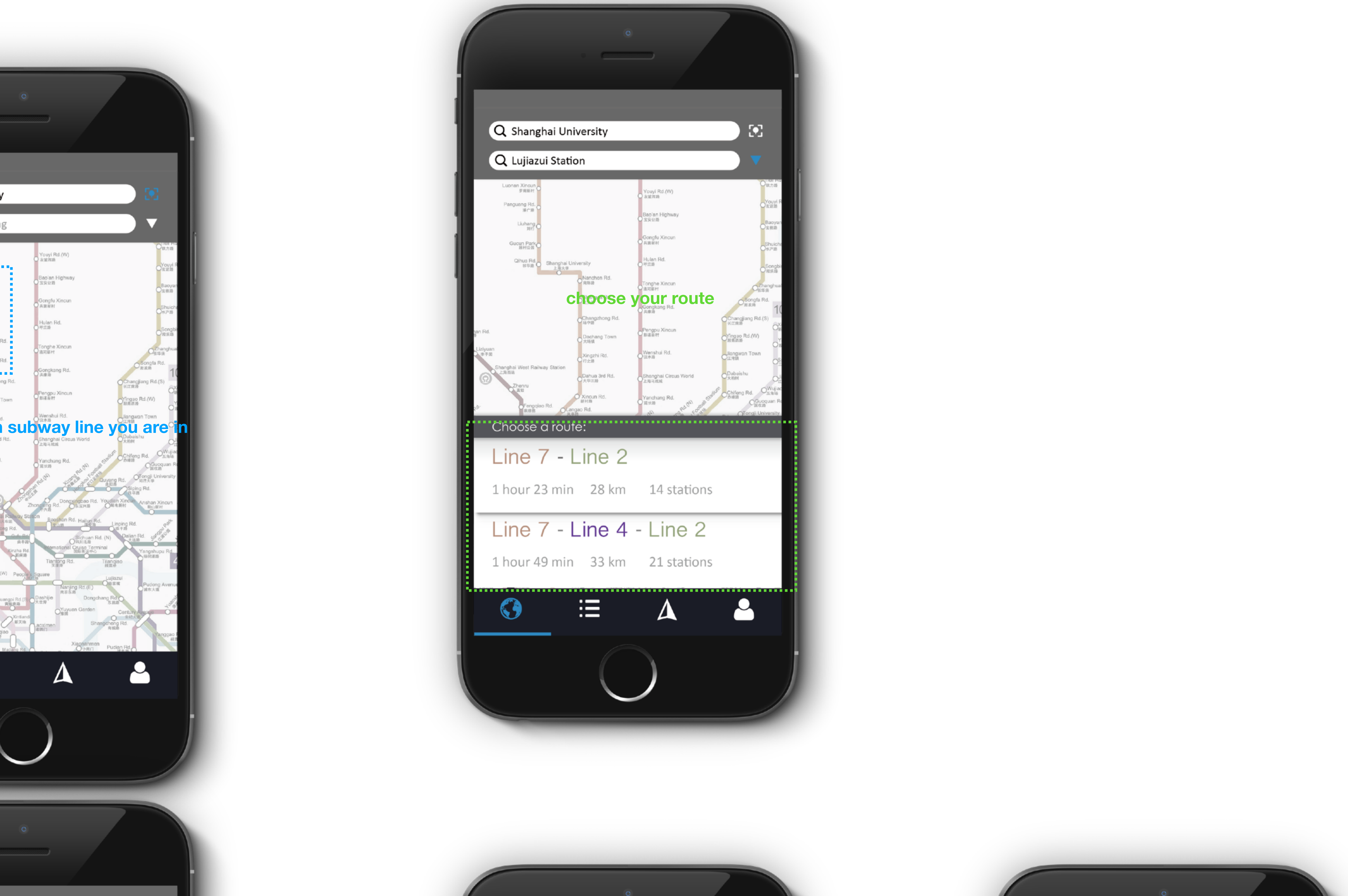
locating which subway line you are in

Shanghai University

where are you going

Lujiazui Station	49 times
Tongji University	27 times
Nanjing Rd (east)	16 times
Fudan University	8 times
PVG Airport	5 times
Shanghai Station	5 times

list of destinations arranged by frequency



Shanghai University

Lujiazui Station

choose your route

Choose a route:

Line 7 - Line 2

1 hour 23 min 28 km 14 stations

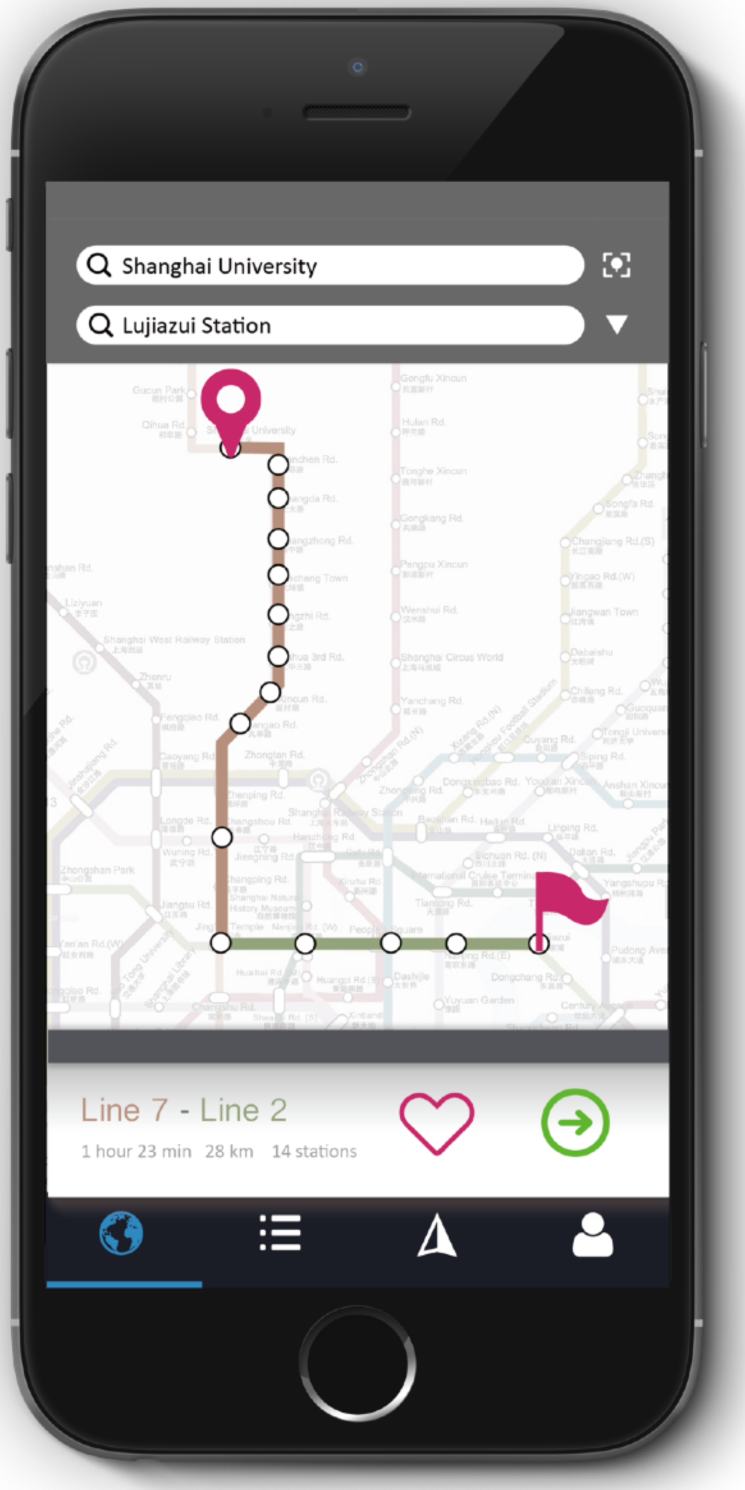
Line 7 - Line 4 - Line 2

1 hour 49 min 33 km 21 stations

subway line you are in

Shanghai University
Shanghai West Railway Station
Lujiazui
People's Square

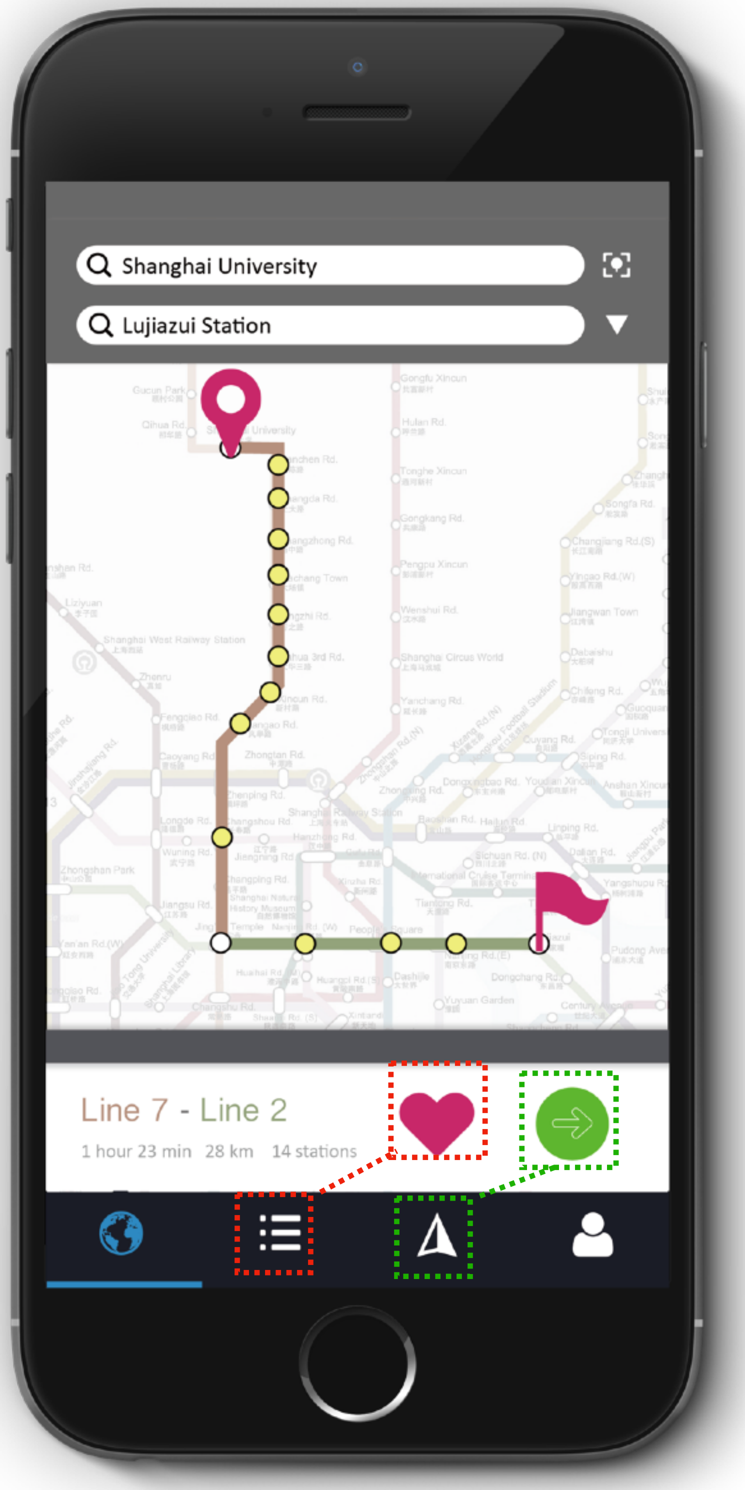
uency


Shanghai University

Lujiazui Station

Line 7 - Line 2

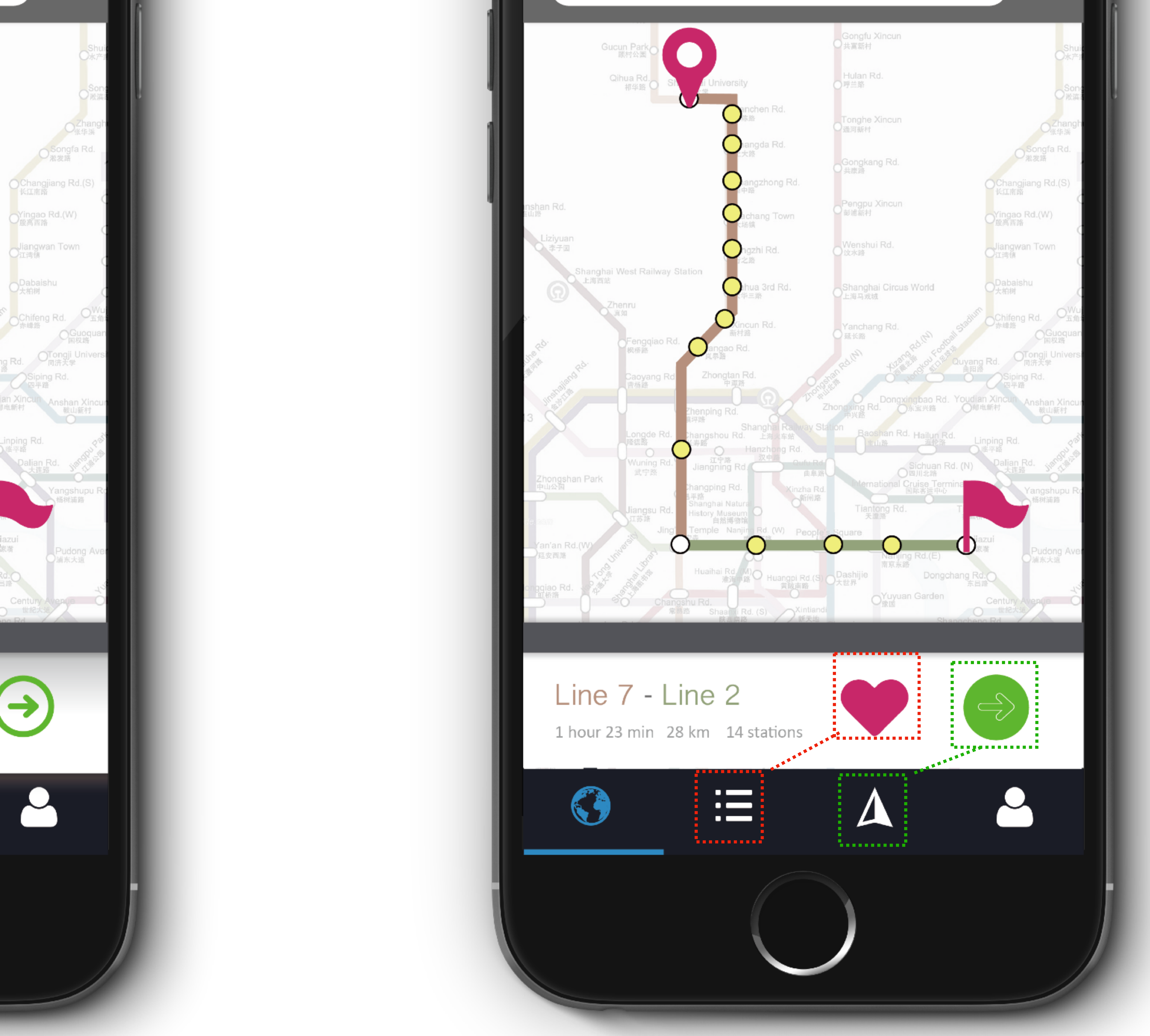
1 hour 23 min 28 km 14 stations


Shanghai University

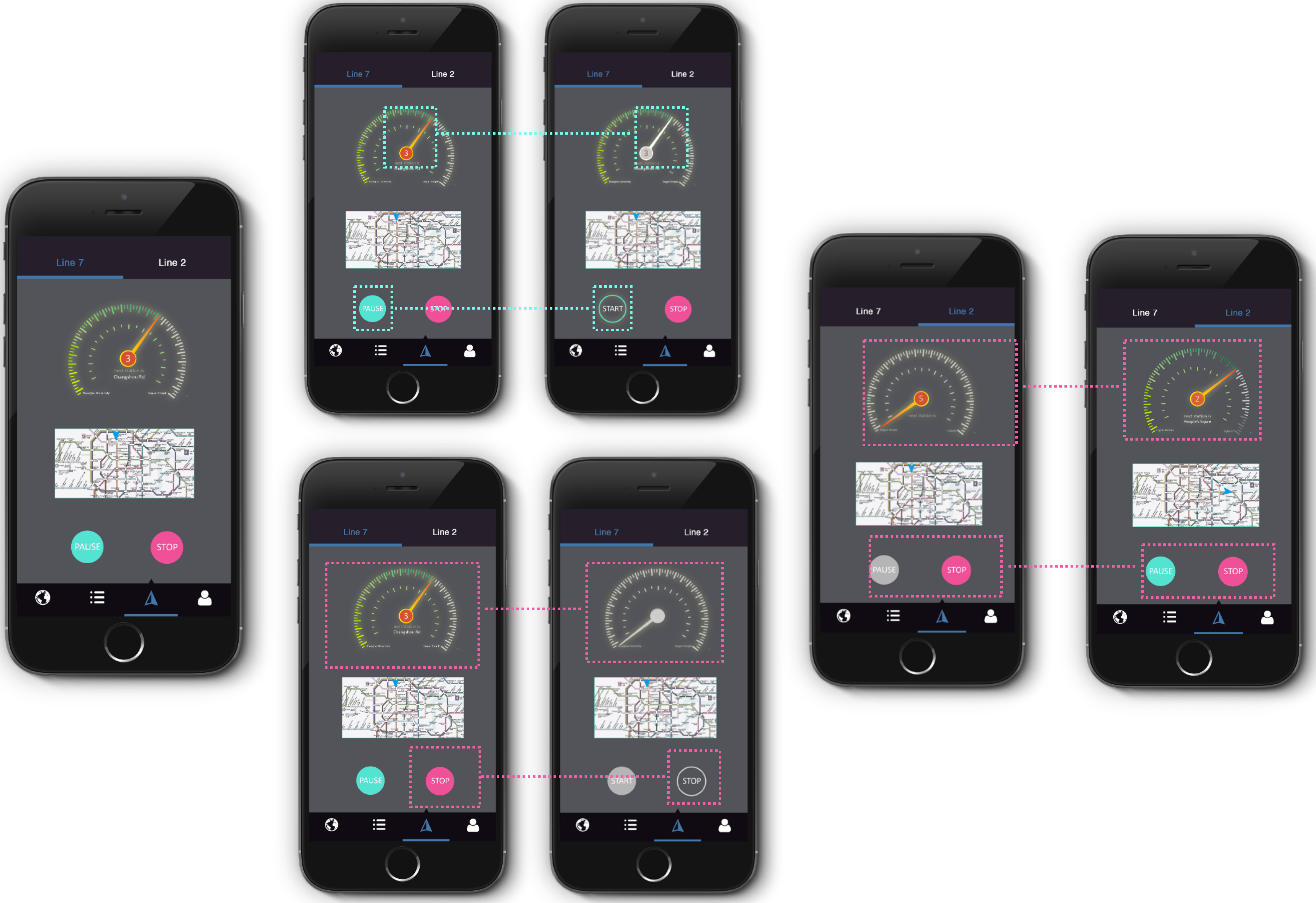
Lujiazui Station

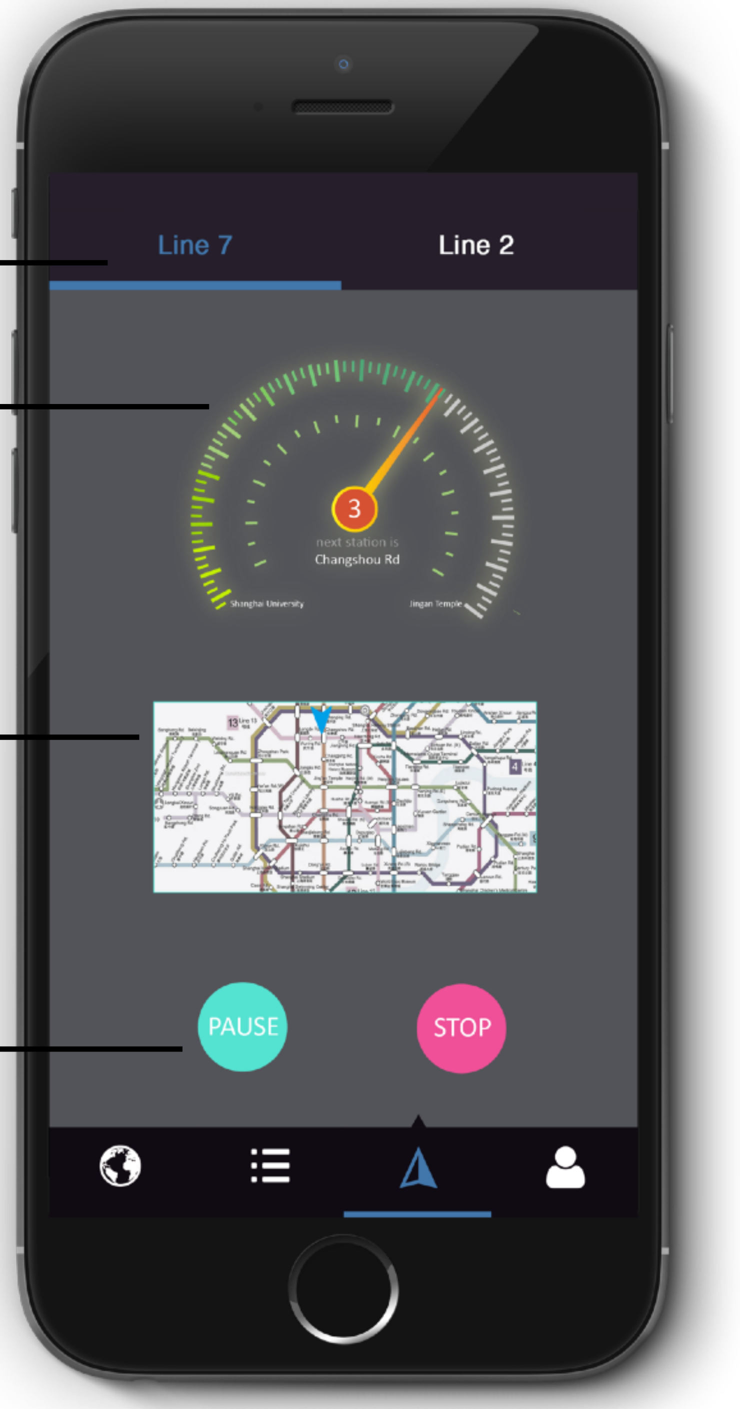
Line 7 - Line 2

1 hour 23 min 28 km 14 stations


Line 7 - Line 2
1 hour 23 min
28 km
14 stations

Running lines


Line 7
Line 2
3
next station is
Changshou Rd
PAUSE
STOP
START
5
2
next station is
People's Square


Line 7
Line 2
3
next station is
Changshou Rd
Shanghai University
Jingan Temple
PAUSE
STOP

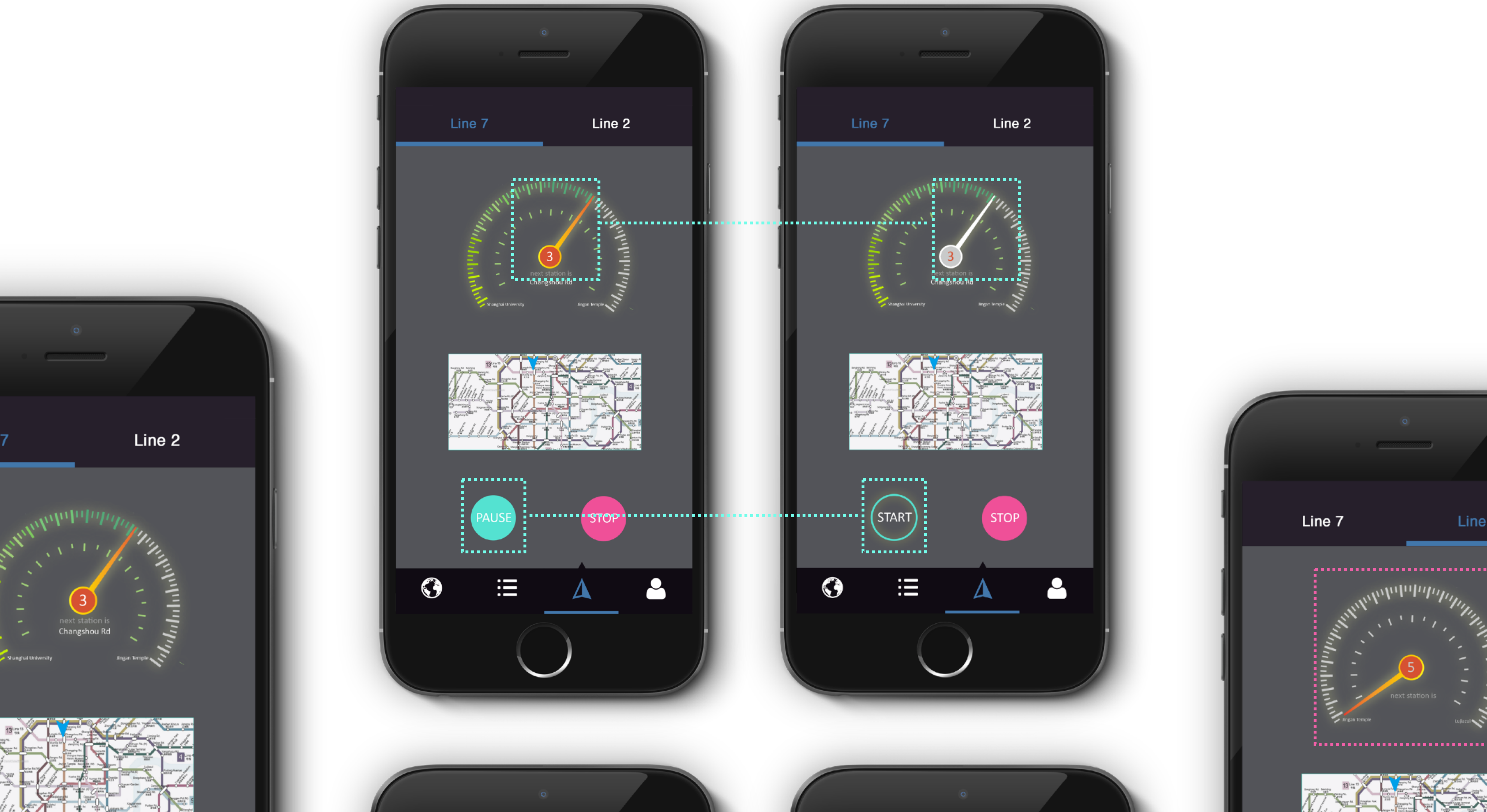
subway lines of the route

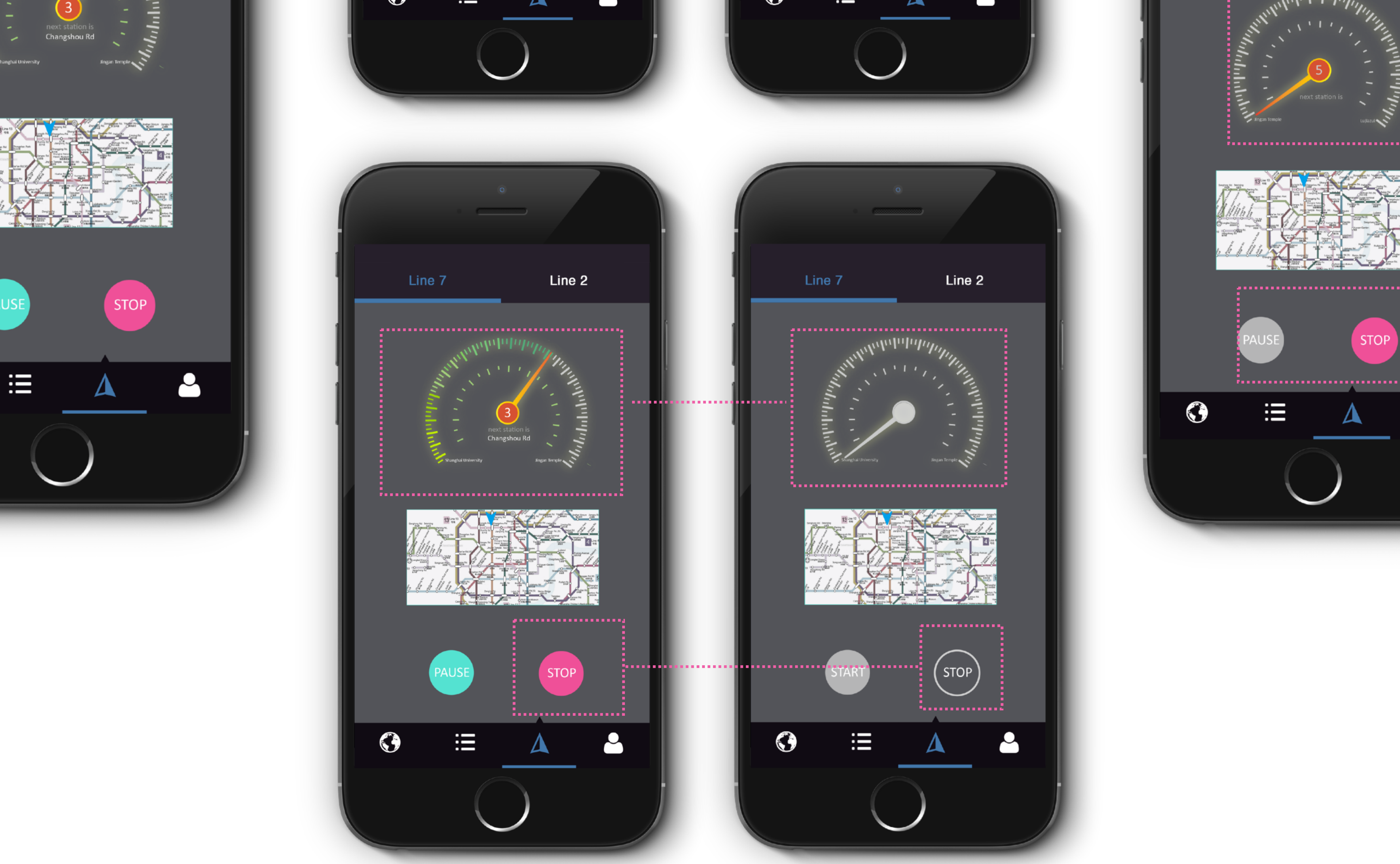
instrument panel

real-time map

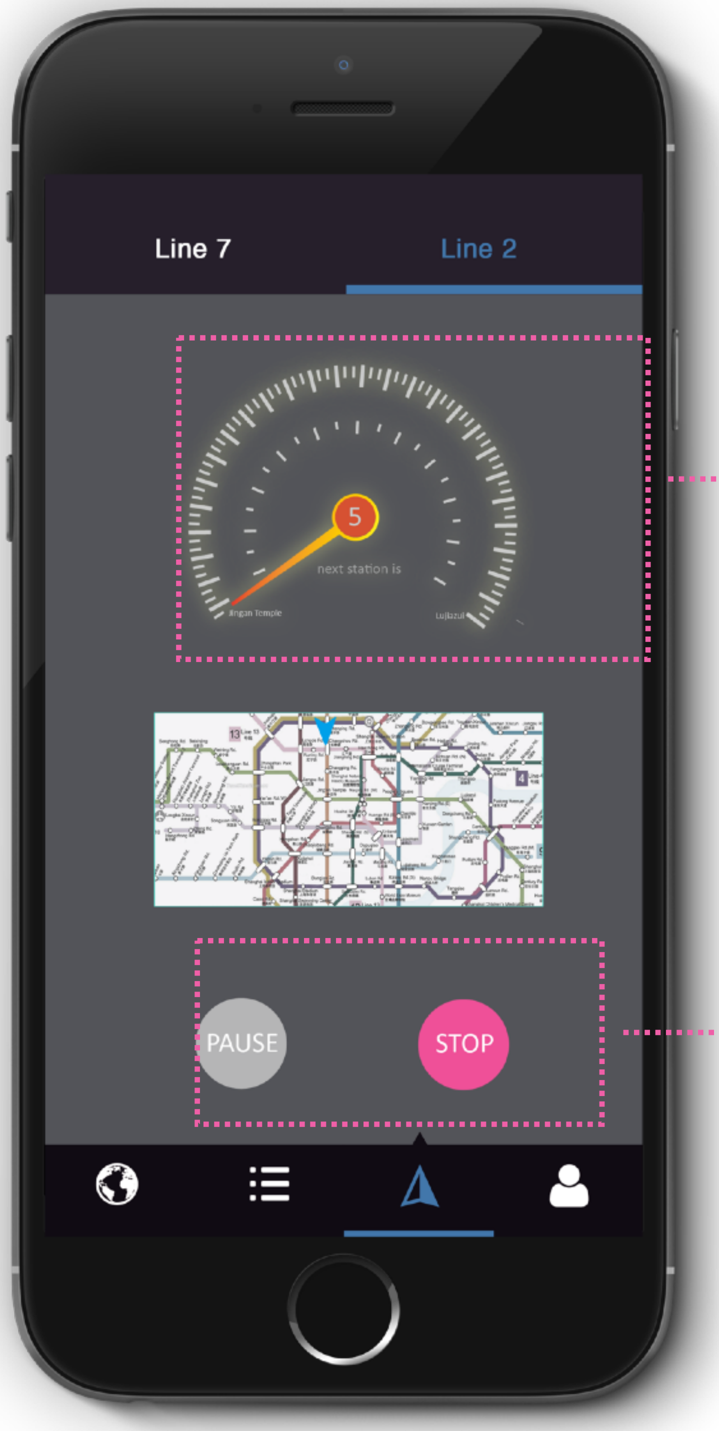
PAUSE & STOP

PAUSE button

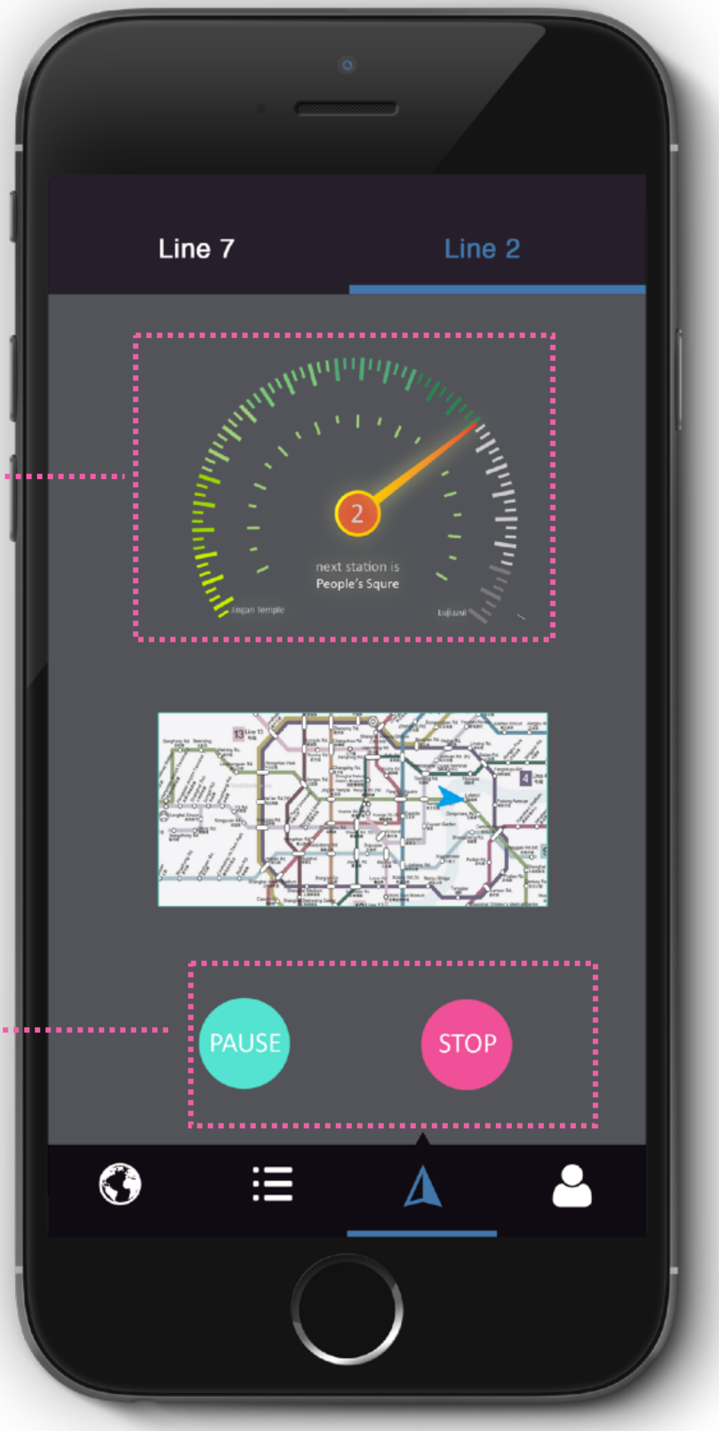

Line 7
Line 2
3
next station is
Changshou Rd
Shanghai University
Jingan Temple
PAUSE
STOP
START
5


3
next station is
Changshou Rd
Shanghai University
Jingan Temple
USE
STOP
Line 7
Line 2
PAUSE
STOP
START
STOP
5
next station is
Jingan Temple
Lujiazui
PAUSE
STOP

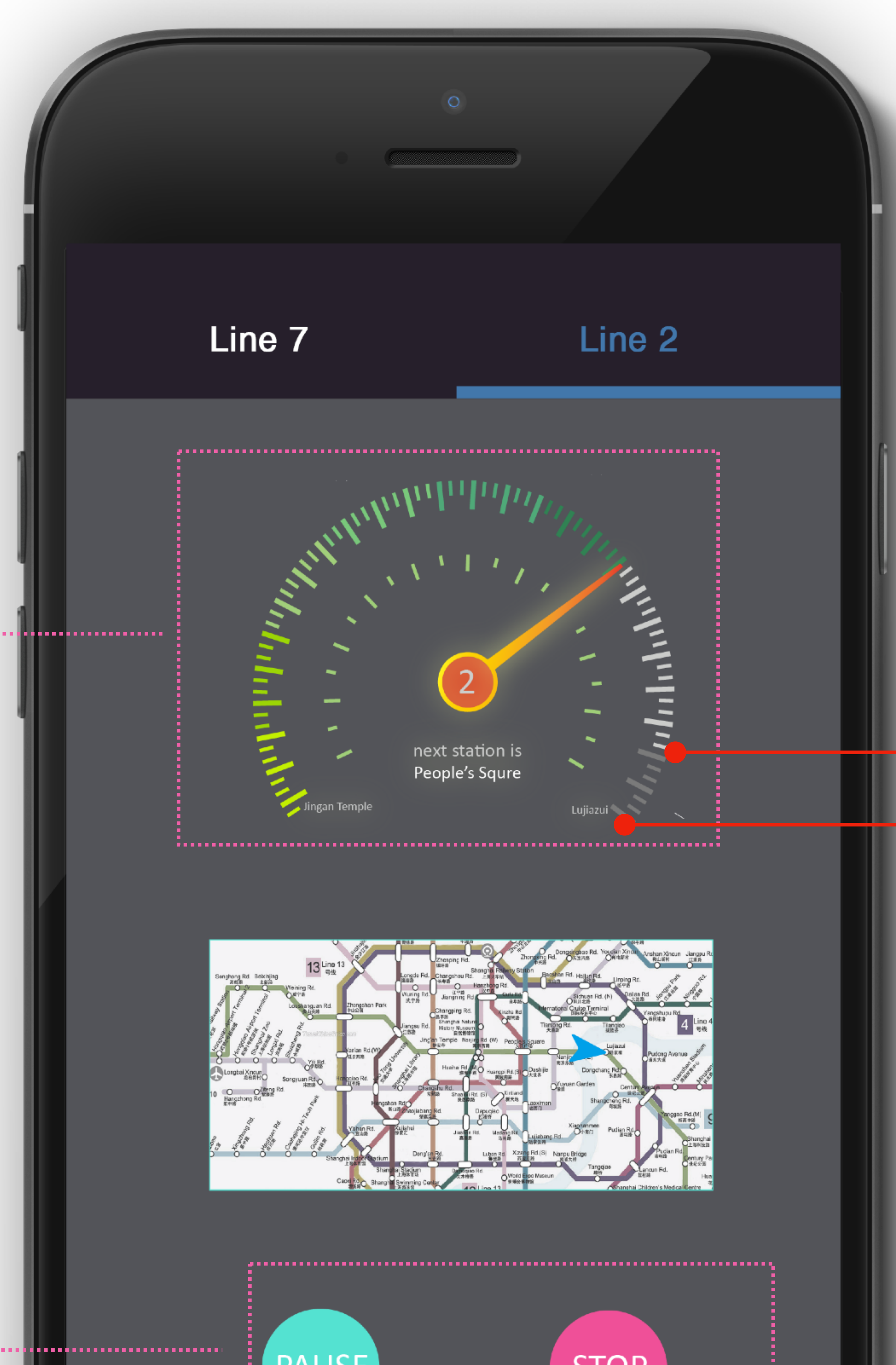
STOP button


Line 7
Line 2
5
next station is
Jingan Temple
Lujiazui
PAUSE
STOP

The state of Line 2 when line 7 is running


Line 7
Line 2
2
next station is
People's Squre
Jingan Temple
Lujiazui
PAUSE
STOP

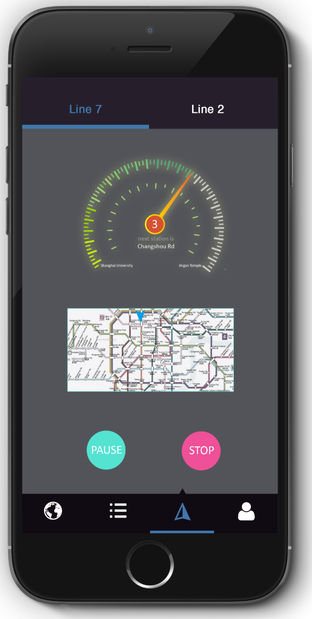
Line 2 is running


Line 7
Line 2
2
next station is
People's Squre
Jingan Temple
Lujiazui
PAUSE
STOP

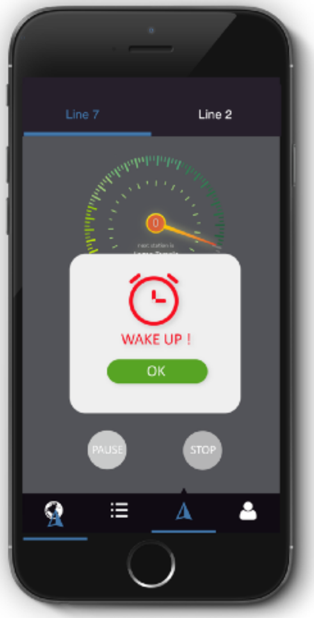
station to wake up

the user's terminal station

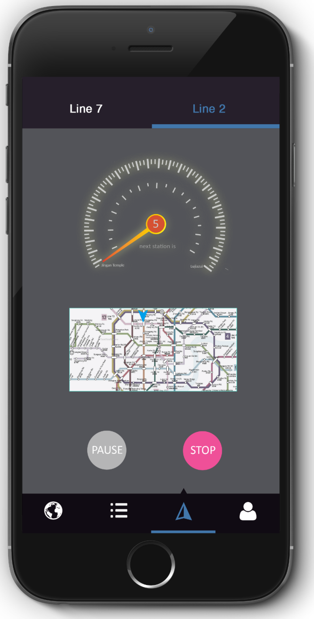
timeline


Line 7
Line 2
PAUSE
STOP

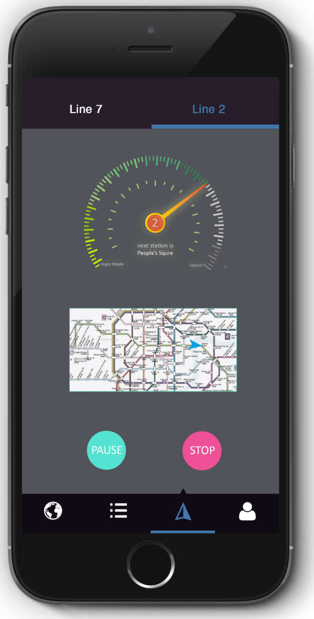
Sleep when Line 7 is running


Line 7
Line 2
WAKE UP !
OK
PAUSE
STOP

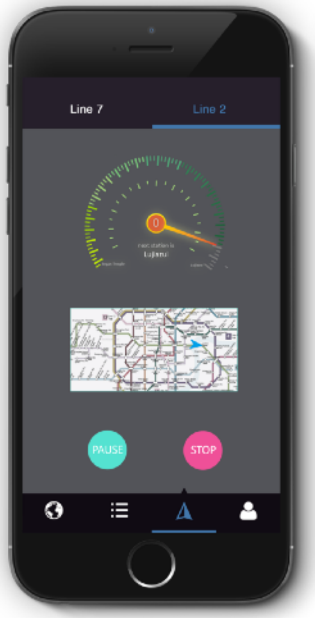
Alarm clock of Line 7 goes off


Line 7
Line 2
PAUSE
STOP

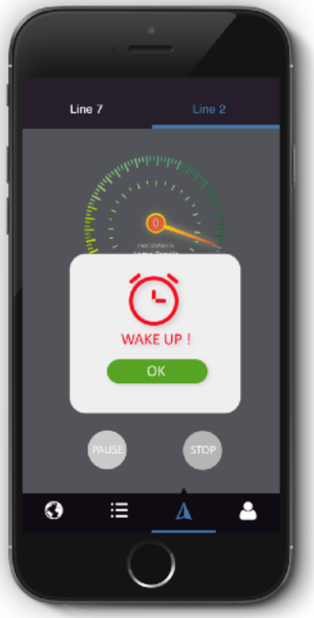
The user switch to Line 2
Line 2 is going to activated
according to user's location


Line 7
Line 2
PAUSE
STOP

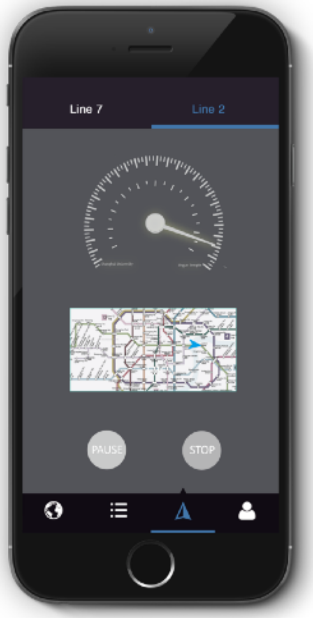
Sleep when Line 2 is running


Line 7
Line 2
PAUSE
STOP

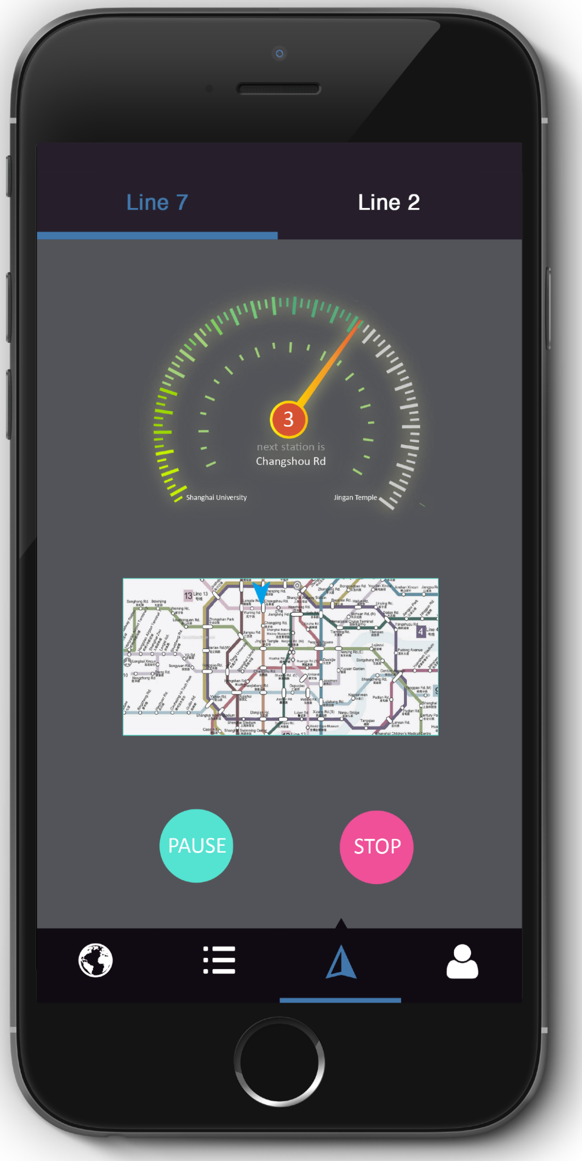
The alarm is going off


Line 7
Line 2
WAKE UP !
OK
PAUSE
STOP

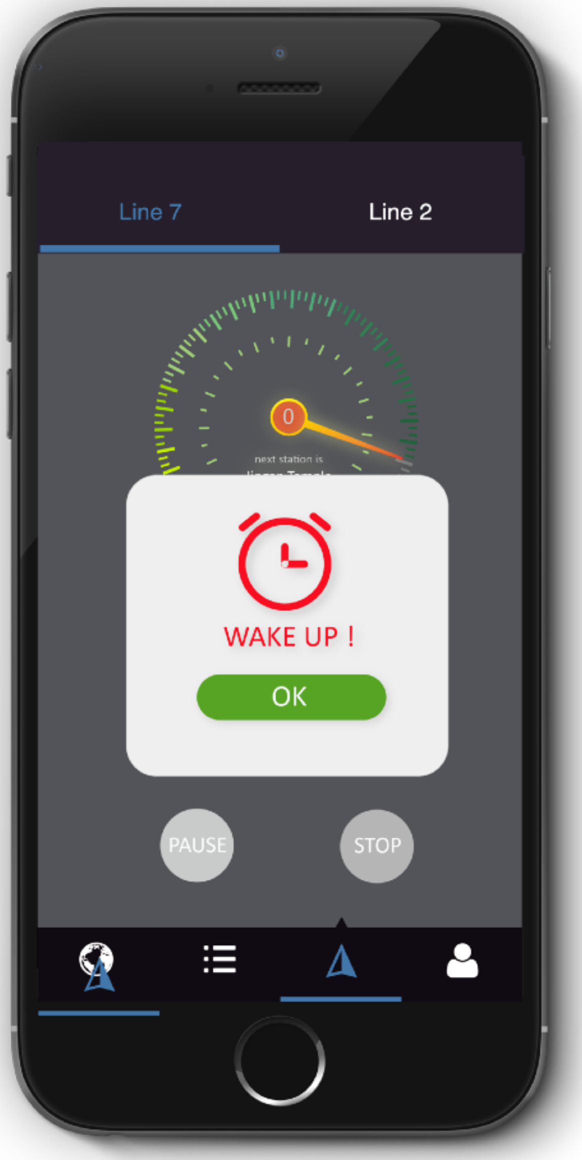
Alarm clock of Line 2 goes off


Line 7
Line 2
PAUSE
STOP

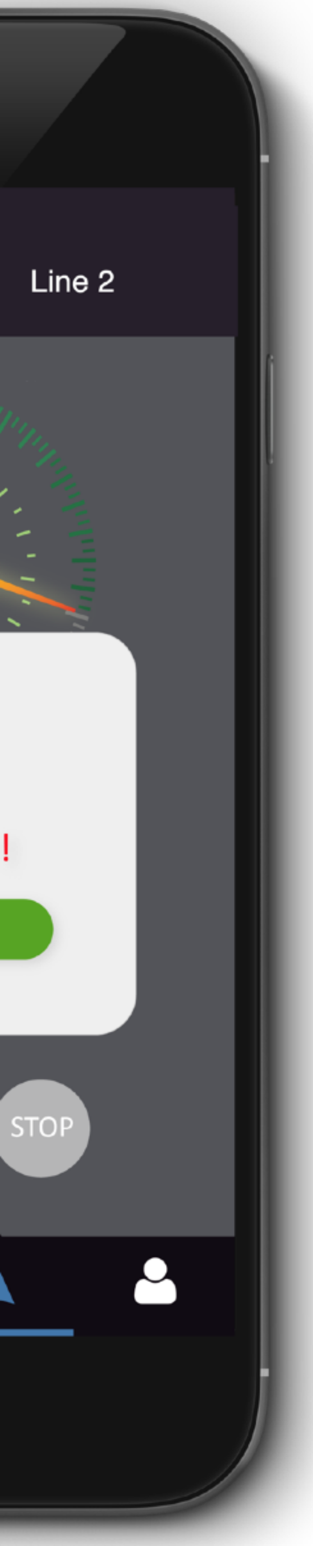
The journey is over


Line 7
Line 2
3
next station is
Changshou Rd
Shanghai University
Jingan Temple
PAUSE
STOP

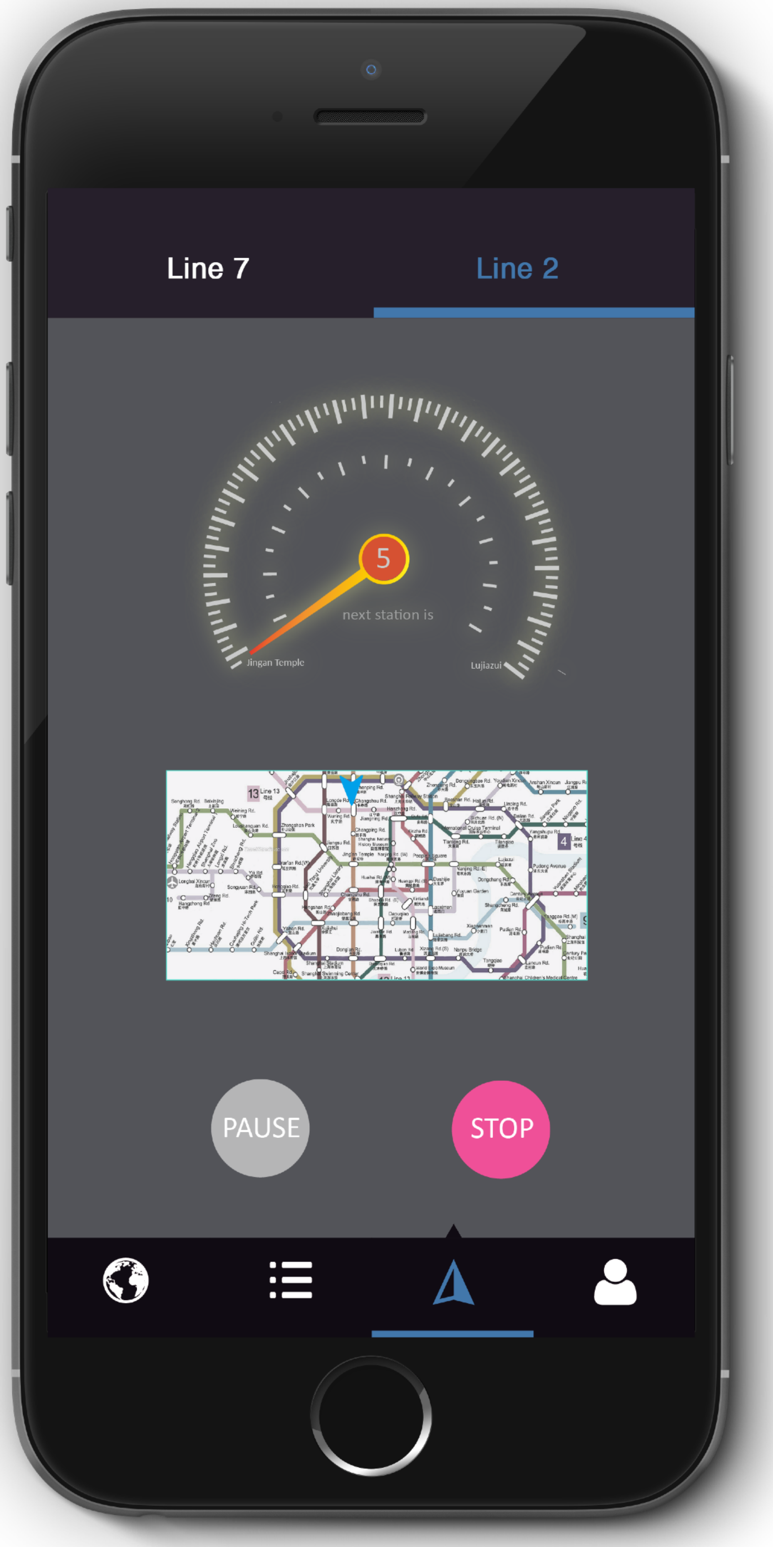
Sleep when Line 7 is running


Line 7
Line 2
0
next station is
WAKE UP !
OK
PAUSE
STOP

Alarm clock of Line 7 goes off

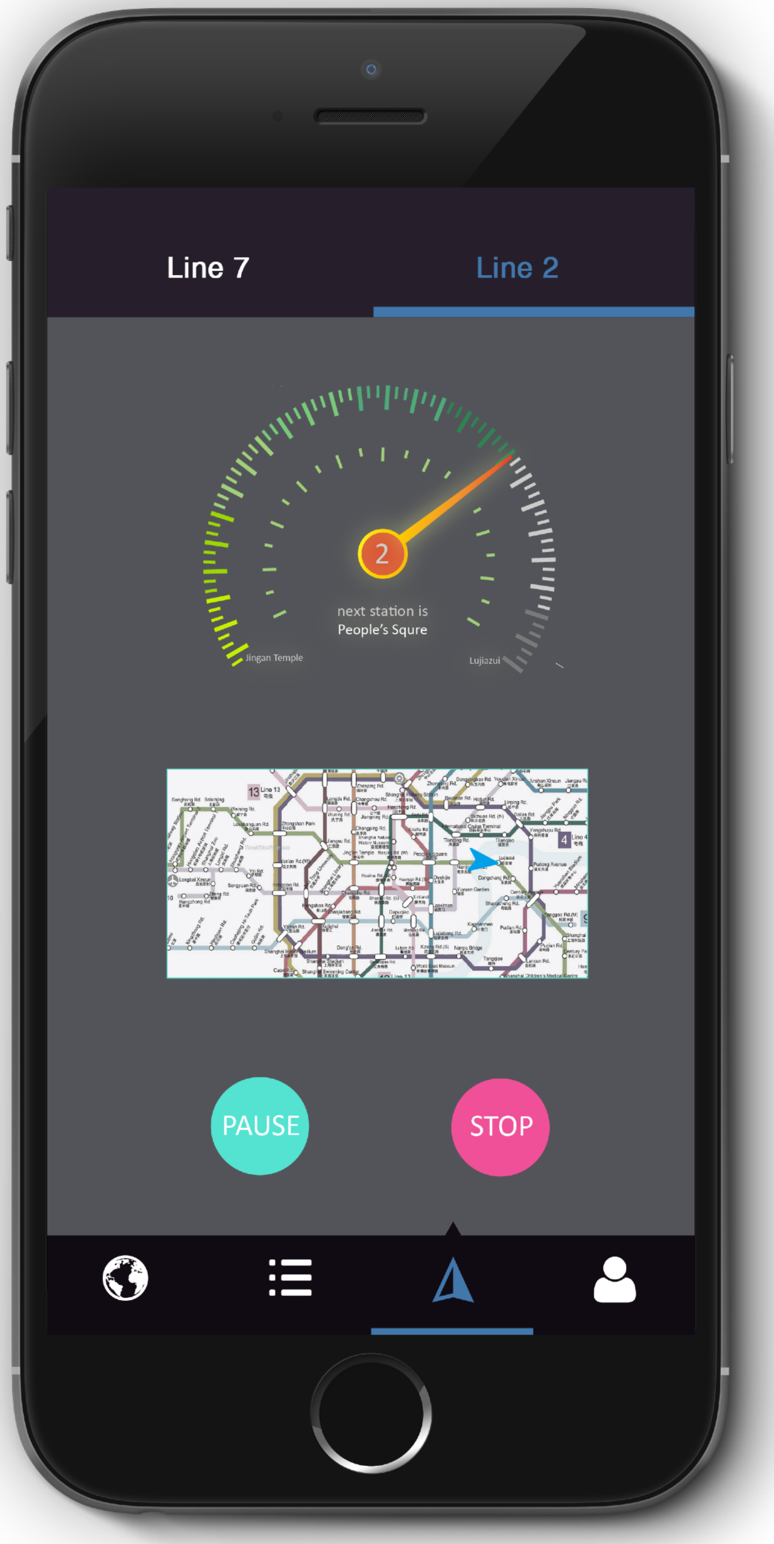


goes off



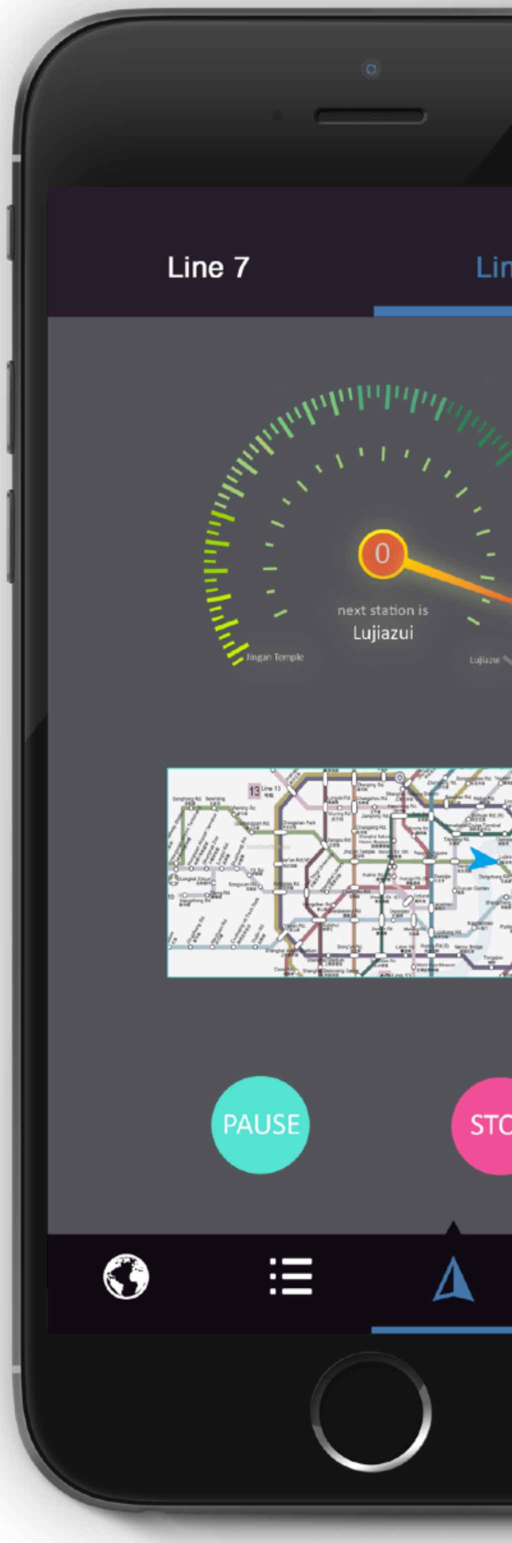
Line 7
Line 2
5
next station is
Jingan Temple
Lujiazui
PAUSE
STOP

The user switch to Line 2
Line 2 is going to activated
according to user's location



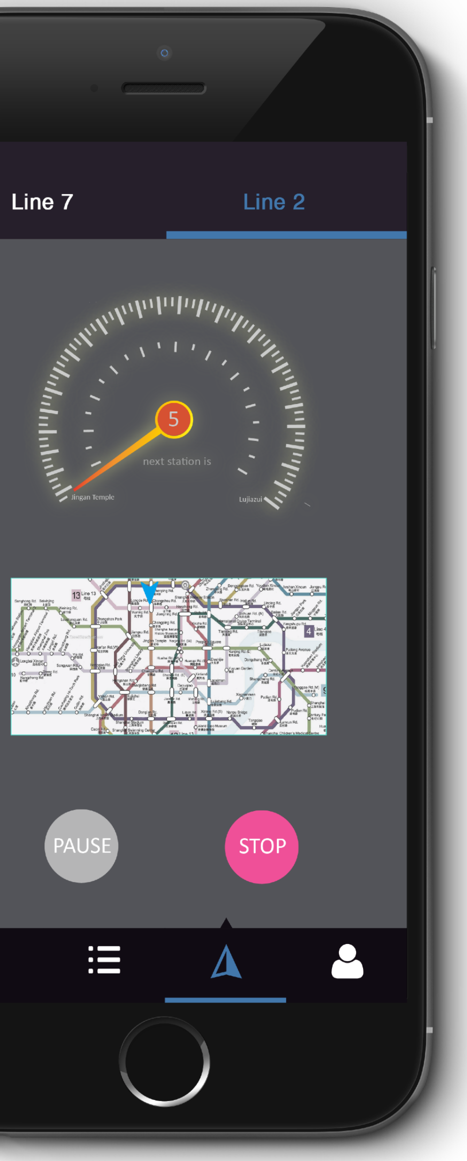
Line 7
Line 2
2
next station is
People's Squre
Jingan Temple
Lujiazui
PAUSE
STOP

Sleep when Line 2 is running

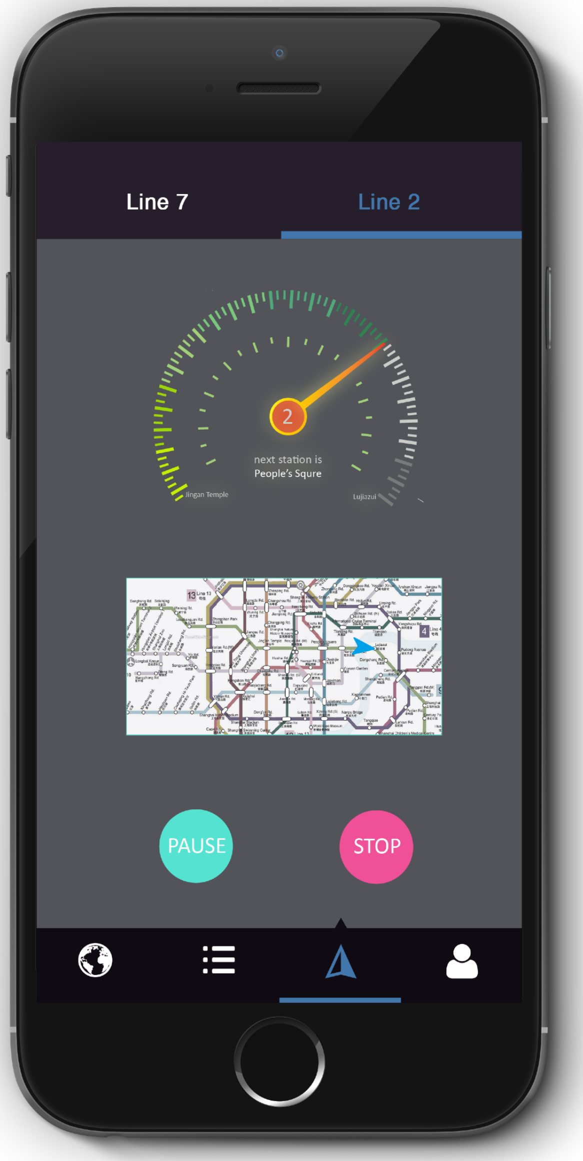


Line 7
0
next station is
Lujiazui
Jingan Temple
PAUSE

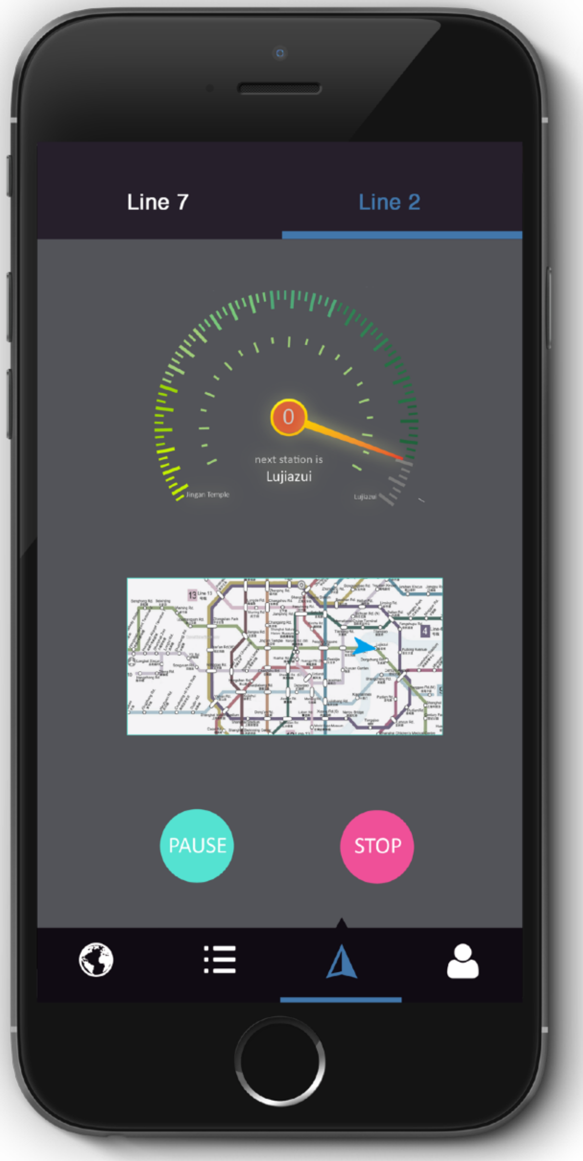
The alarm is going off


Line 7
Line 2
5
next station is
Jingan Temple
Lujiazui
PAUSE
STOP

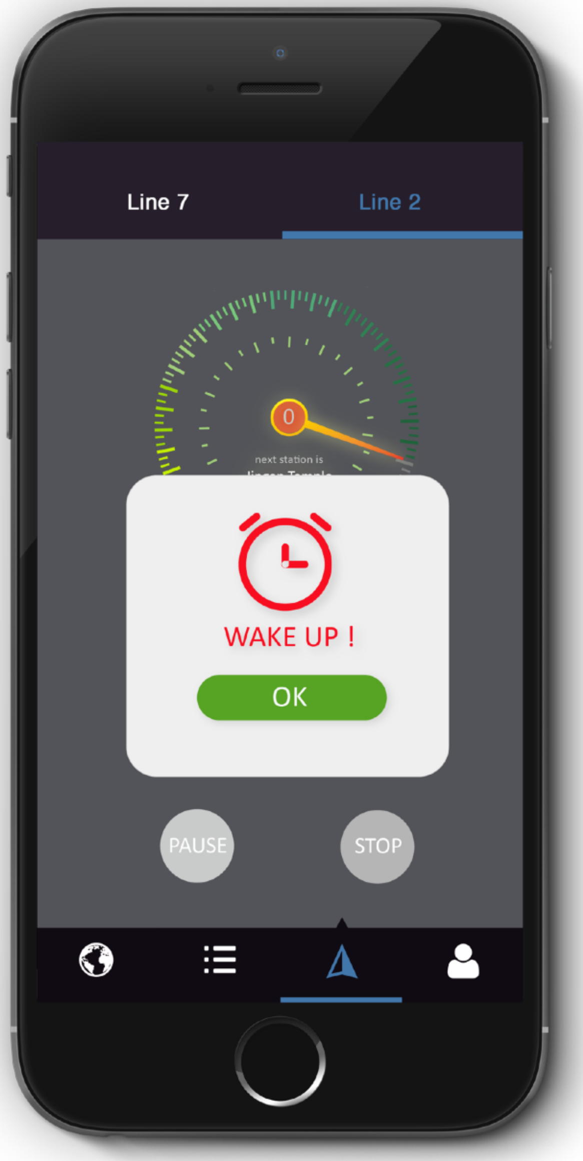
The user switch to Line 2
Line 2 is going to activated
according to user's location


Line 7
Line 2
2
next station is
People's Squre
Jingan Temple
Lujiazui
PAUSE
STOP

Sleep when Line 2 is running


Line 7
Line 2
0
next station is
Lujiazui
Jingan Temple
PAUSE
STOP

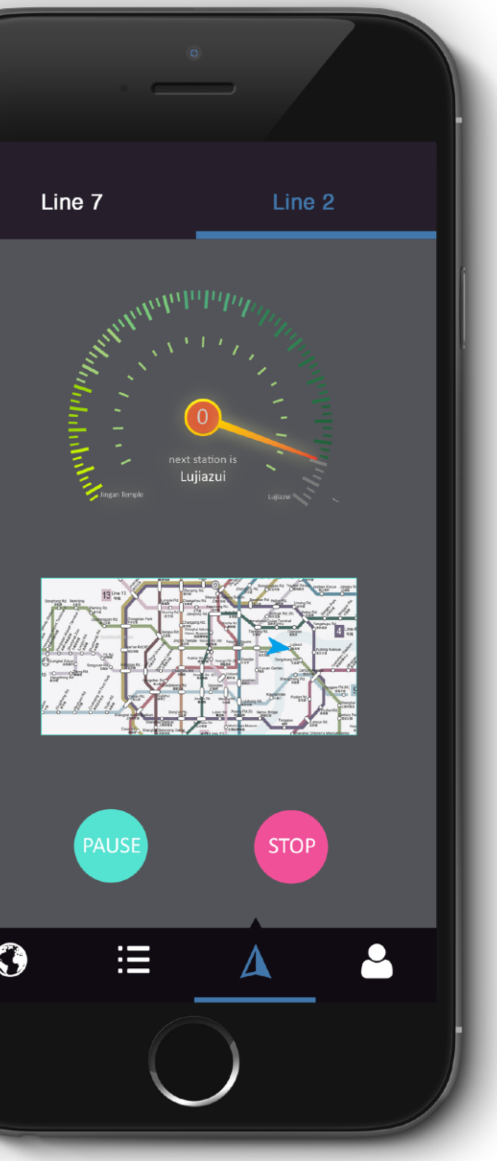
The alarm is going off


Line 7
Line 2
0
next station is
WAKE UP !
OK
PAUSE
STOP

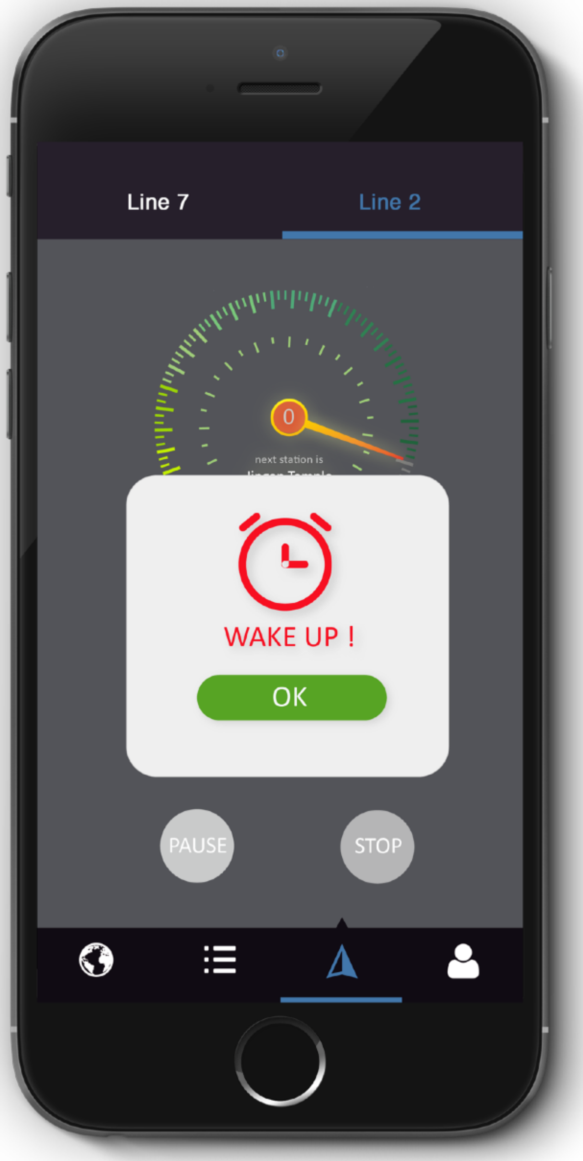
Alarm clock of Line 2 goes off

Line 7
Shanghai University
PAUSE

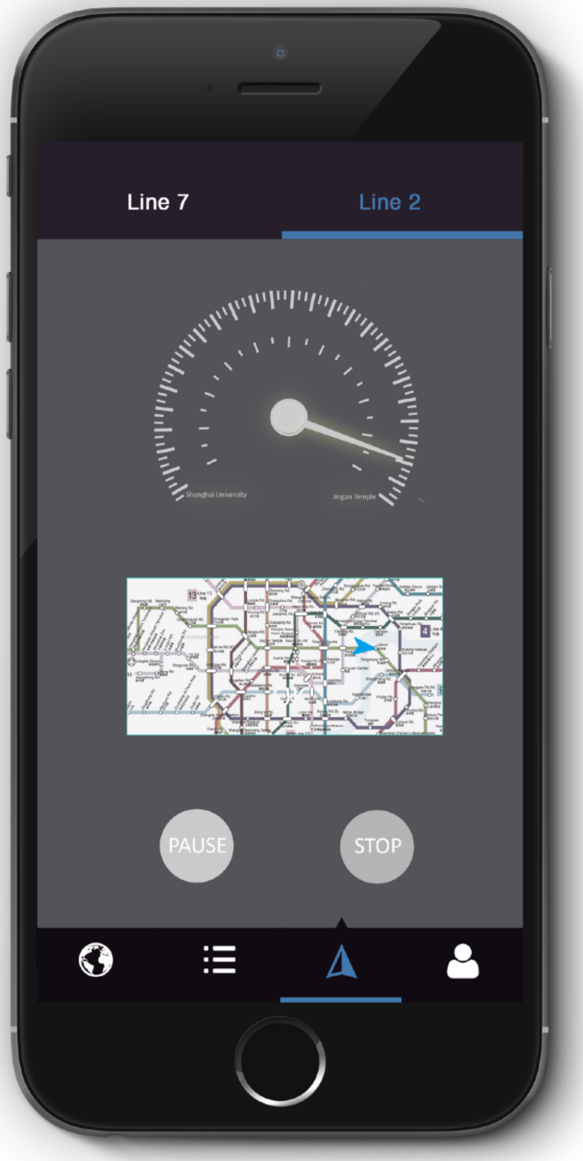
The jo


Line 7
Line 2
0
next station is
Lujiazui
PAUSE
STOP

The alarm is going off

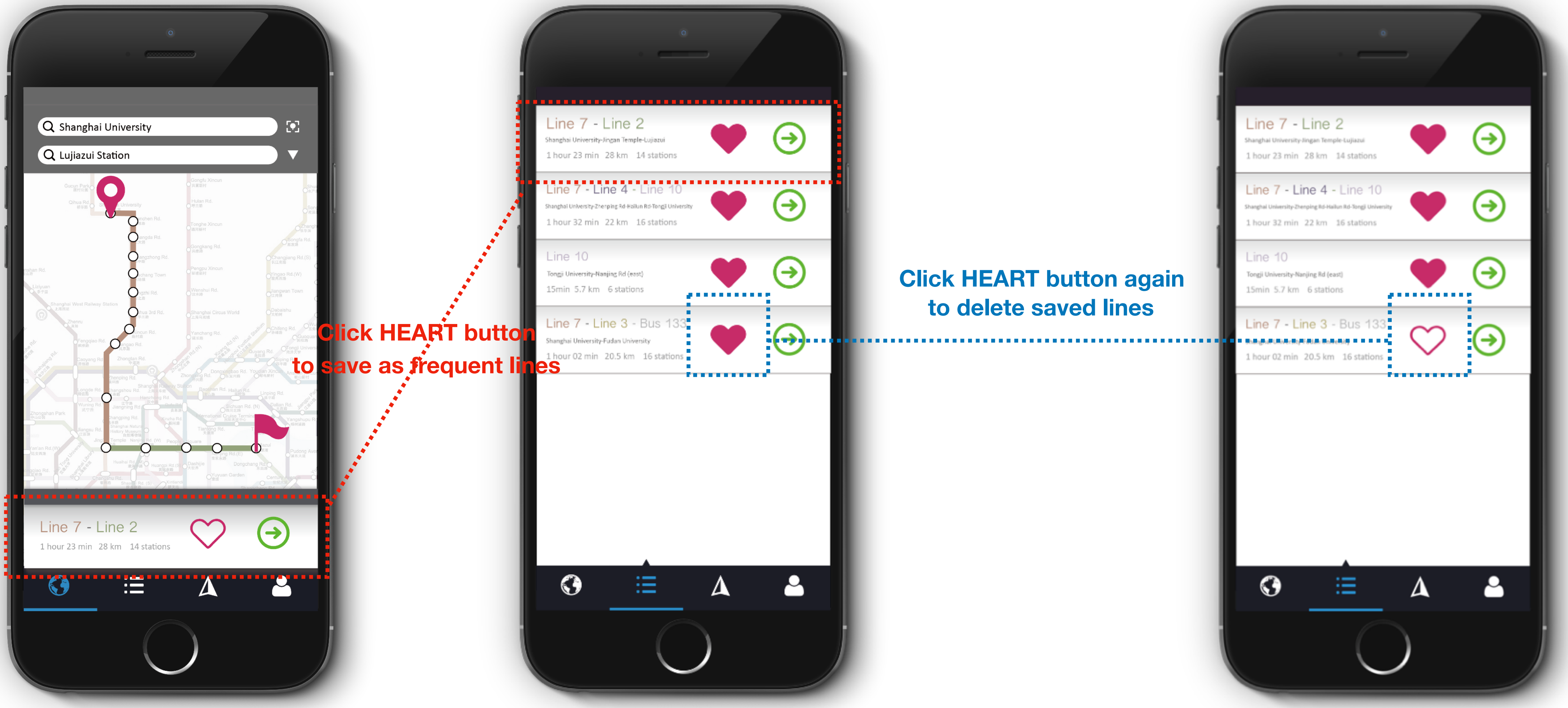

Line 7
Line 2
0
next station is
WAKE UP !
OK
PAUSE
STOP

Alarm clock of Line 2 goes off


Line 7
Line 2
PAUSE
STOP

The journey is over

Saved Lines



Shanghai University
Lujiazui Station

Line 7 - Line 2
1 hour 23 min 28 km 14 stations

Click HEART button to save as frequent lines

Line 7 - Line 2
Shanghai University-Jingan Temple-Lujiazui
1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 10
Shanghai University-Zhenping Rd-Hailun Rd-Tongji University
1 hour 32 min 22 km 16 stations

Line 10
Tongji University-Nanjing Rd (east)
15min 5.7 km 6 stations

Line 7 - Line 3 - Bus 133
Shanghai University-Fudan University
1 hour 02 min 20.5 km 16 stations

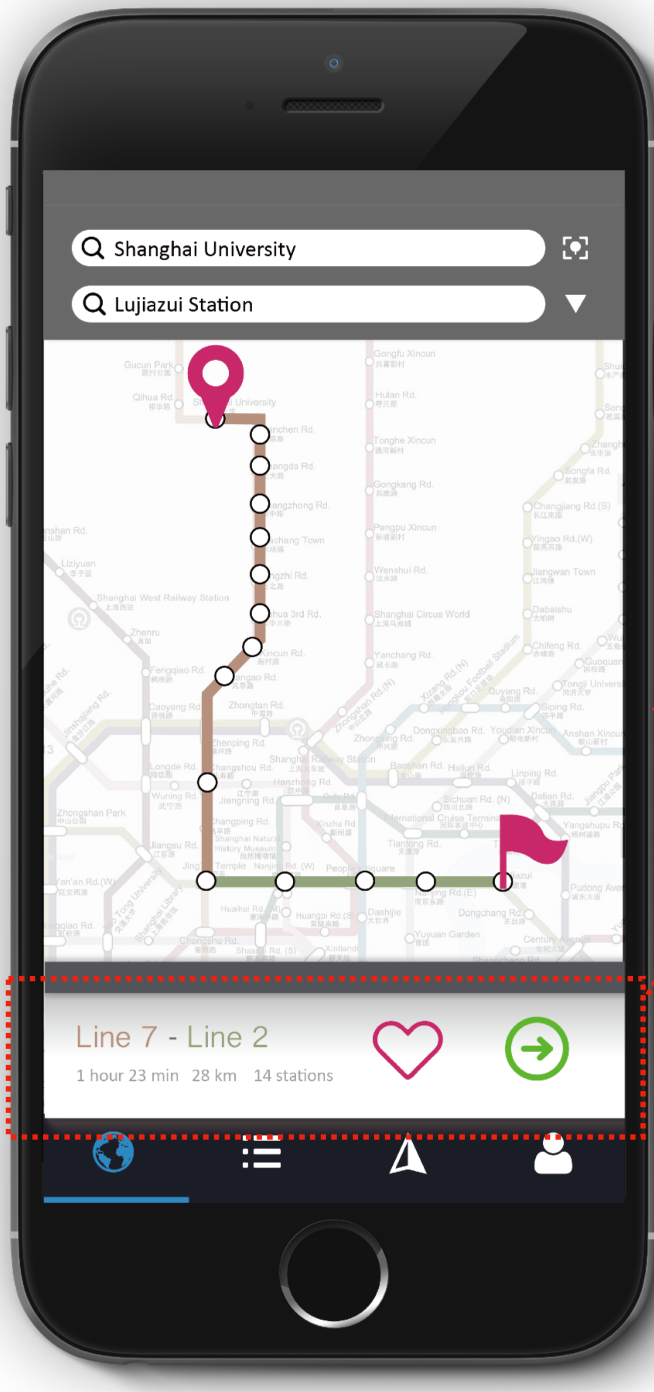
Click HEART button again to delete saved lines

Line 7 - Line 2
Shanghai University-Jingan Temple-Lujiazui
1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 10
Shanghai University-Zhenping Rd-Hailun Rd-Tongji University
1 hour 32 min 22 km 16 stations

Line 10
Tongji University-Nanjing Rd (east)
15min 5.7 km 6 stations

Line 7 - Line 3 - Bus 133
Shanghai University-Fudan University
1 hour 02 min 20.5 km 16 stations



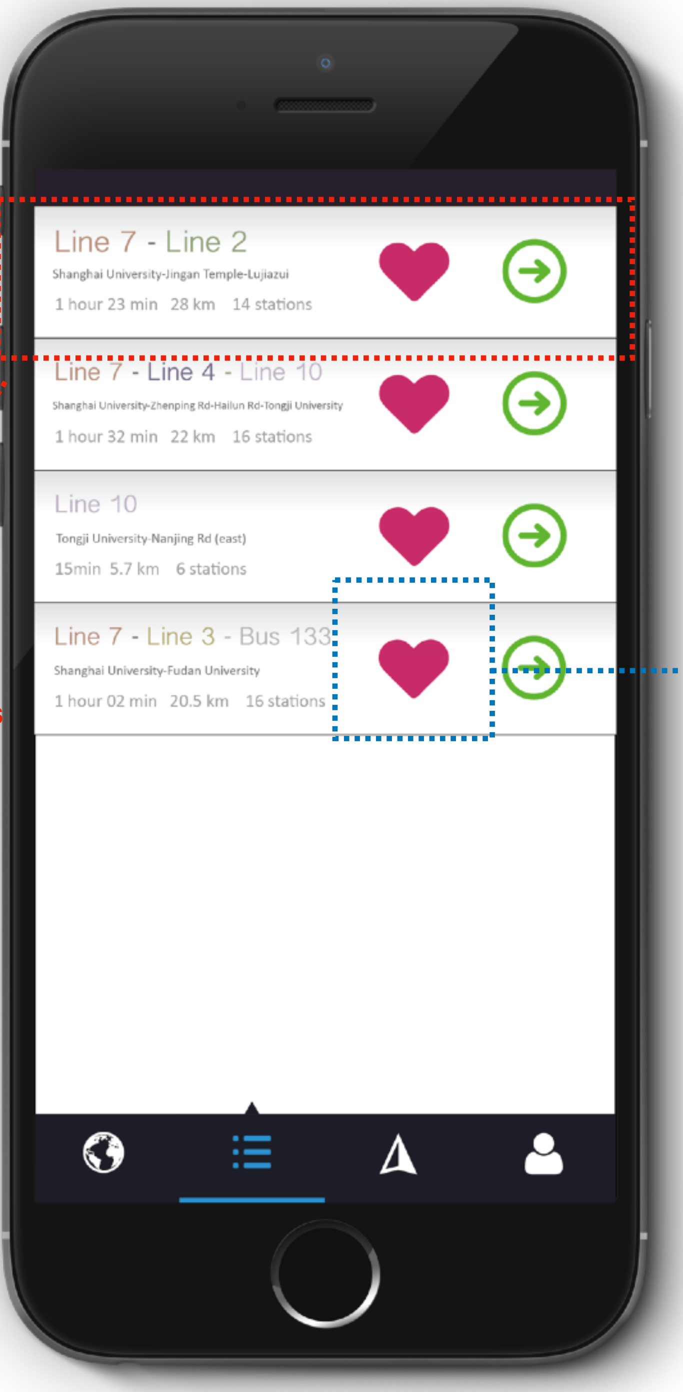
Shanghai University

Lujiazui Station

Line 7 - Line 2

1 hour 23 min 28 km 14 stations

Click HEART button
to save as frequent lines



Line 7 - Line 2

Shanghai University-Jingan Temple-Lujiazui

1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 10

Shanghai University-Zhenping Rd-Hailun Rd-Tongji University

1 hour 32 min 22 km 16 stations

Line 10

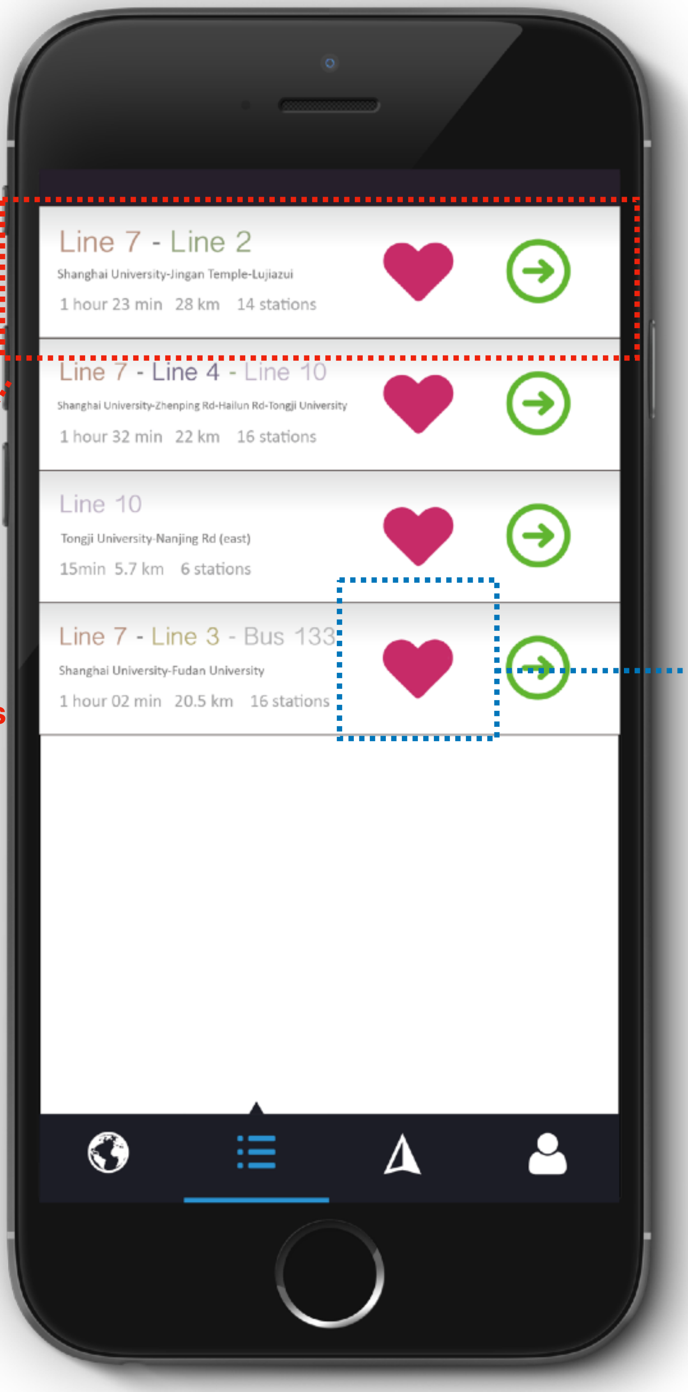
Tongji University-Nanjing Rd (east)

15min 5.7 km 6 stations

Line 7 - Line 3 - Bus 133

Shanghai University-Fudan University

1 hour 02 min 20.5 km 16 stations



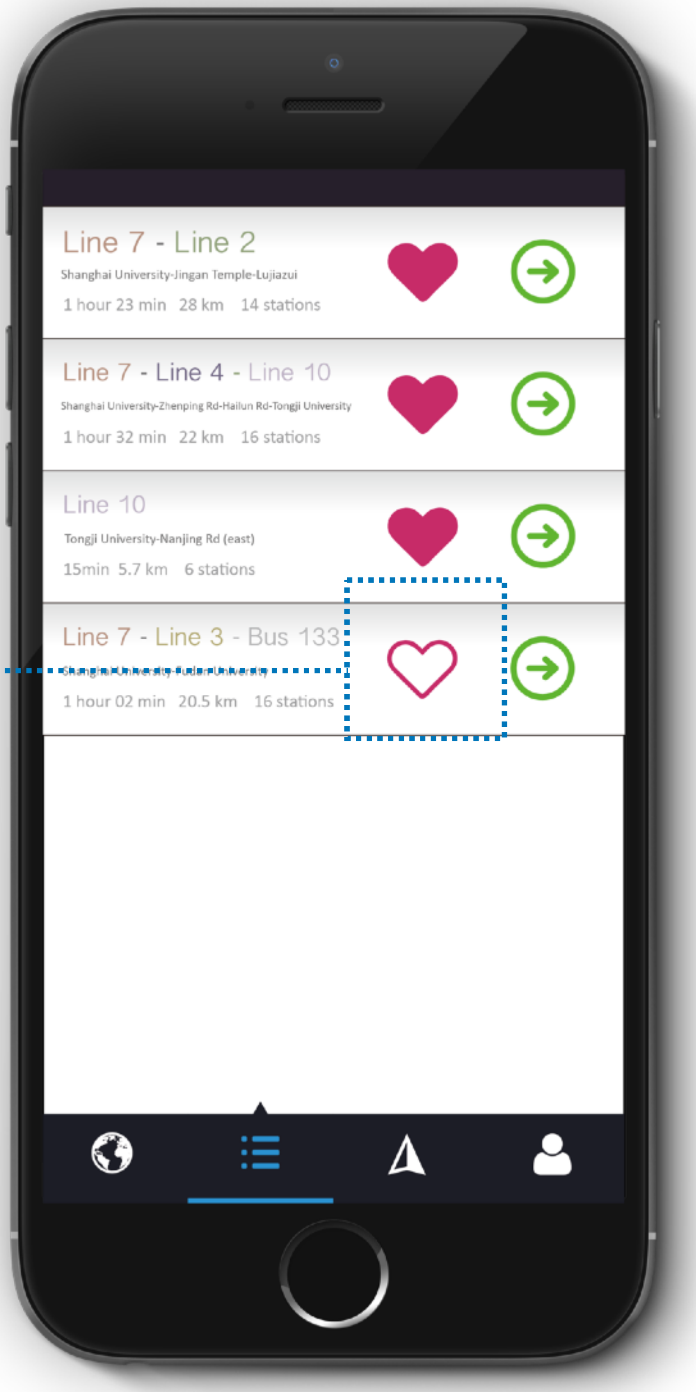
Line 7 - Line 2
Shanghai University-Jingan Temple-Lujiazui
1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 10
Shanghai University-Zhenping Rd-Hailun Rd-Tongji University
1 hour 32 min 22 km 16 stations

Line 10
Tongji University-Nanjing Rd (east)
15min 5.7 km 6 stations

Line 7 - Line 3 - Bus 133
Shanghai University-Fudan University
1 hour 02 min 20.5 km 16 stations

**Click HEART button again
to delete saved lines**



Line 7 - Line 2
Shanghai University-Jingan Temple-Lujiazui
1 hour 23 min 28 km 14 stations

Line 7 - Line 4 - Line 10
Shanghai University-Zhenping Rd-Hailun Rd-Tongji University
1 hour 32 min 22 km 16 stations

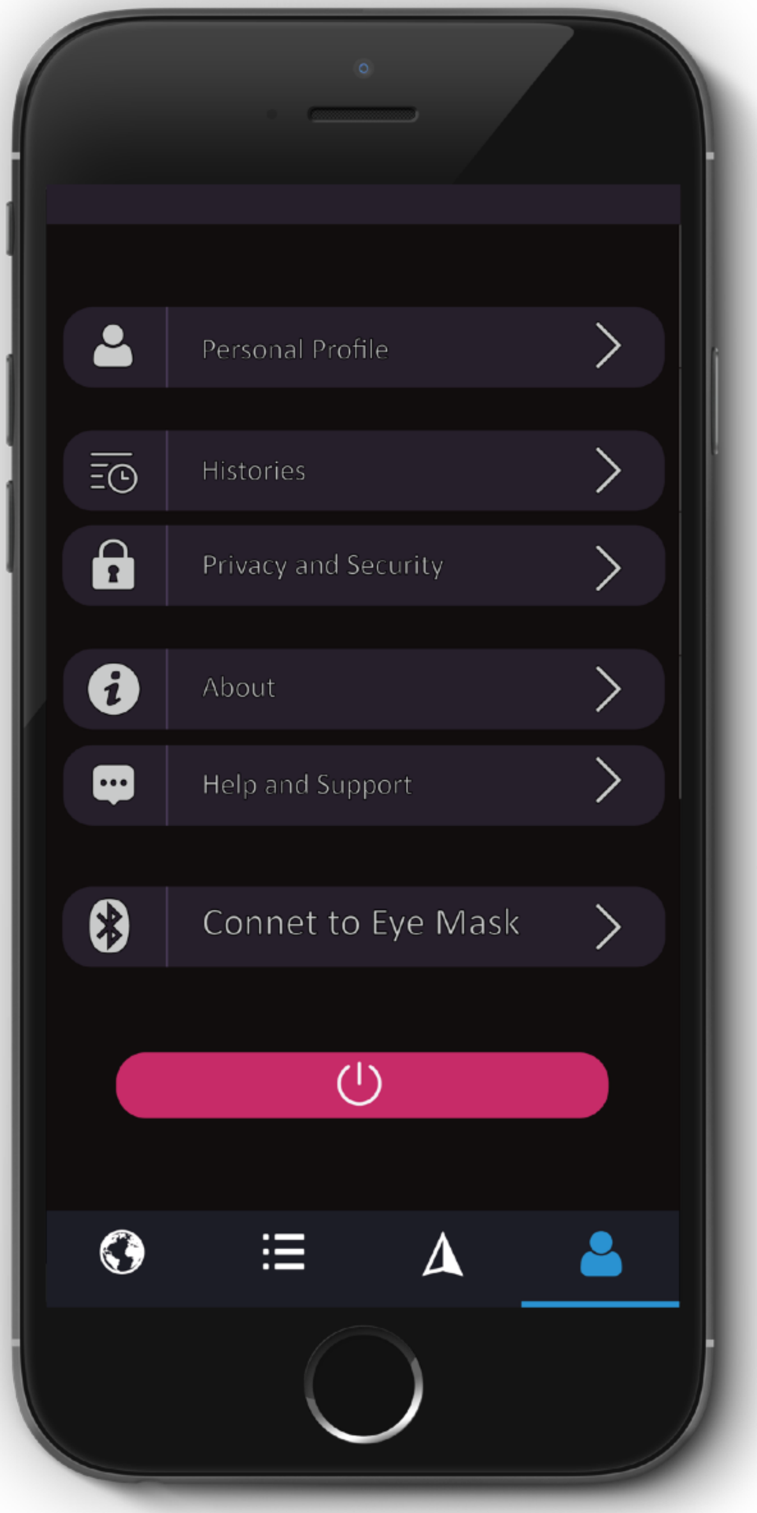
Line 10
Tongji University-Nanjing Rd (east)
15min 5.7 km 6 stations

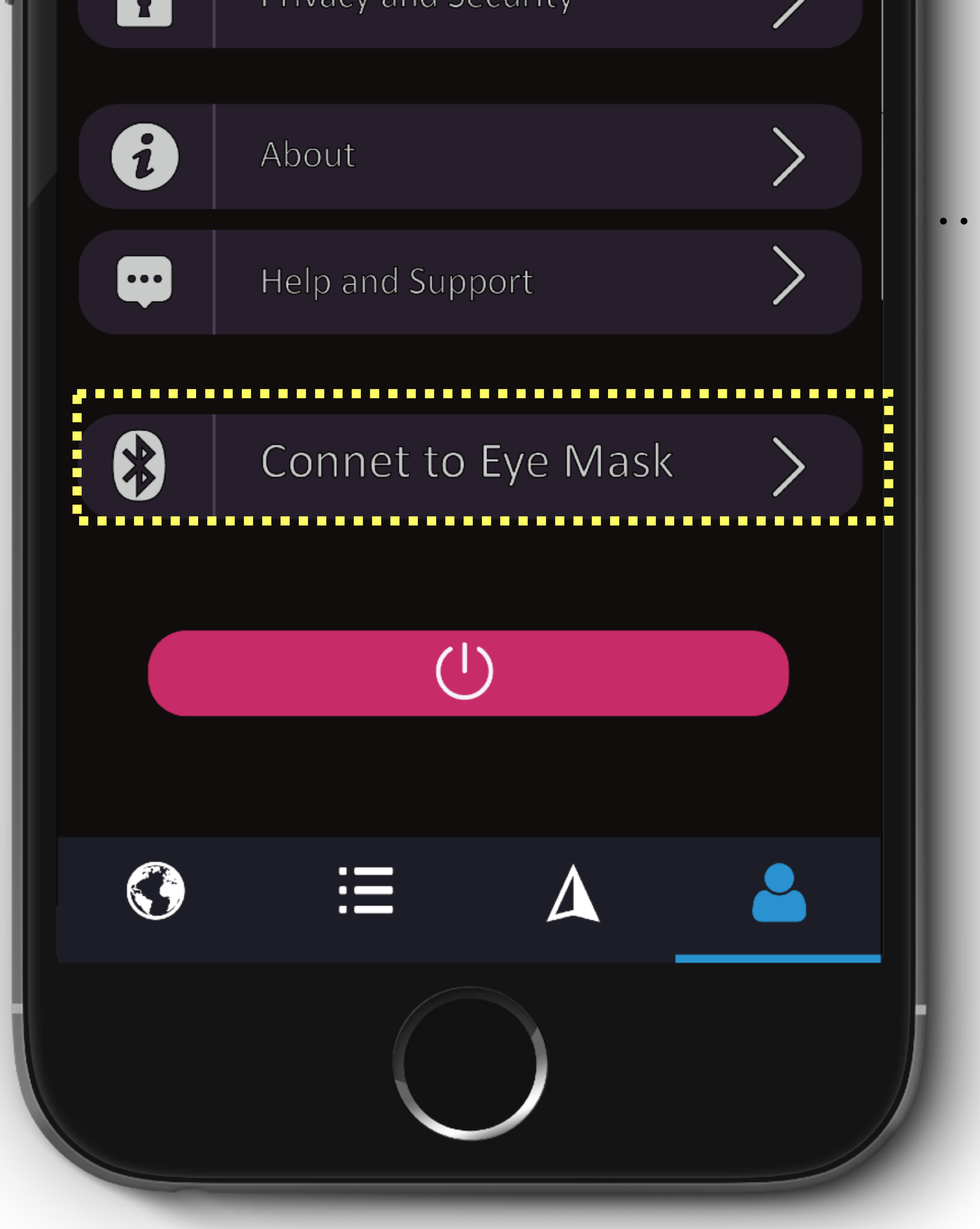
Line 7 - Line 3 - Bus 133
Shanghai University-Fudan University
1 hour 02 min 20.5 km 16 stations

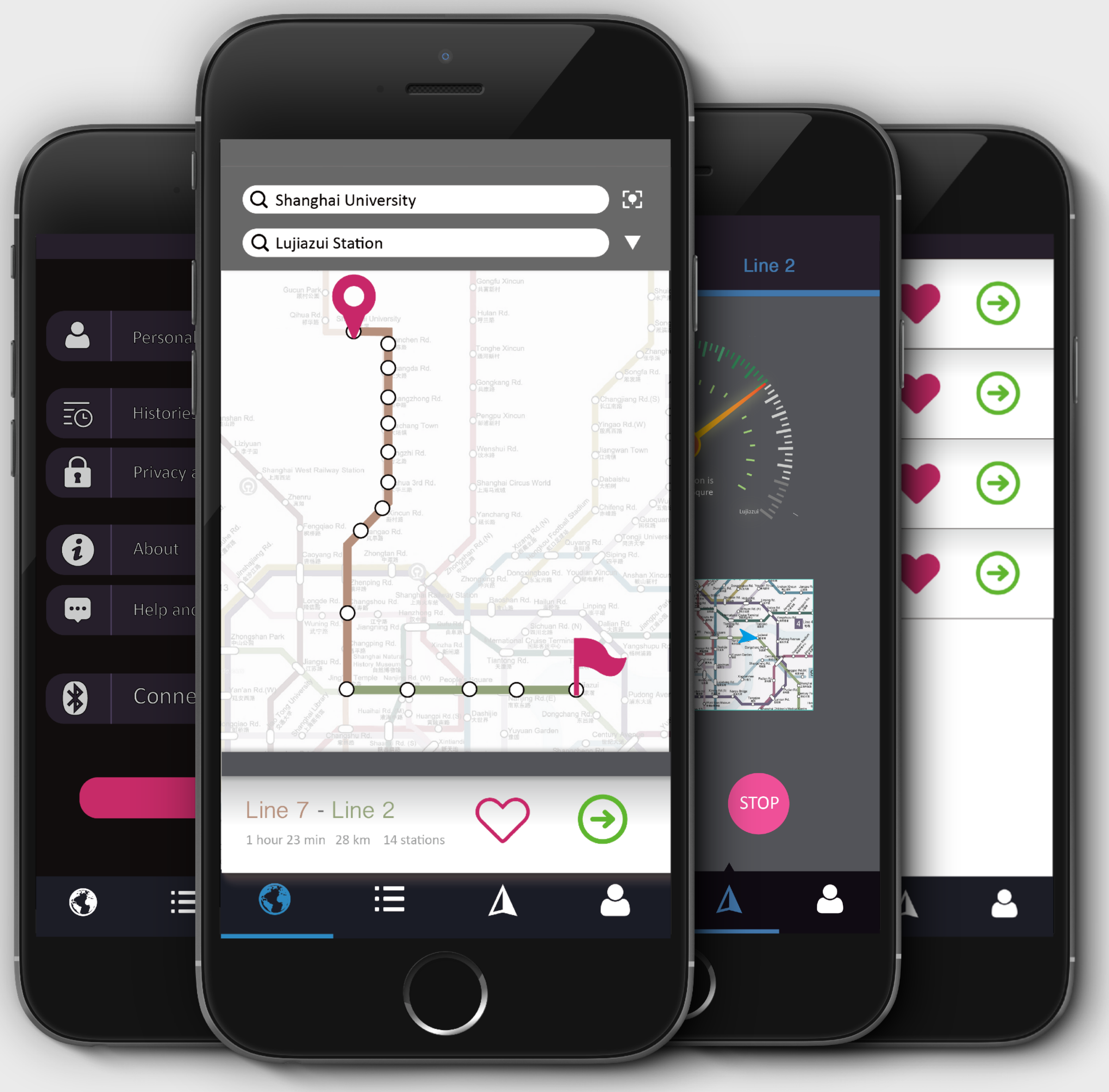
Settings

Sub-Sleep

APP UI DESIGN


Personal Profile
Histories
Privacy and Security
About
Help and Support
Connet to Eye Mask


Privacy and Security
About
Help and Support
Connet to Eye Mask


Shanghai University
Lujiazui Station
Line 7 - Line 2
1 hour 23 min 28 km 14 stations
Personal
Histories
Privacy
About
Help and
Conne
Line 2
STOP

Sub-Sleep

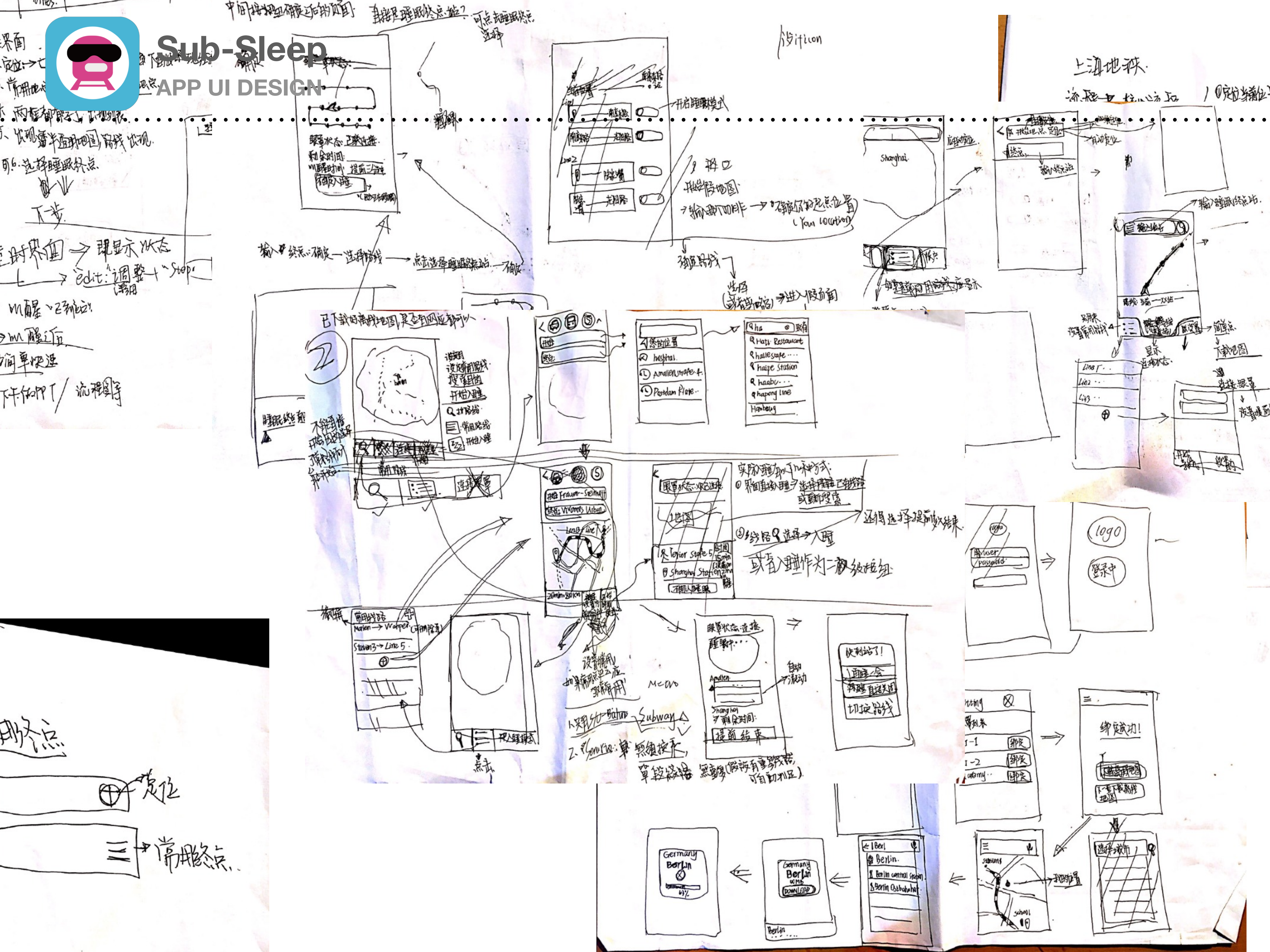
Many people in Shanghai spent **1-3 hours in the subway** going to work and going home every day, thus leading to a lack of sleep. These people may **take a nap** to have a rest in the subway. But the biggest concern is that they may **oversleep and miss the stop.**

This app aims to help those commuters who need to sleep in subway **prevent oversleeping.** With the map and location-based alarm, the APP can get the user's location, lines and destination so the user can sleep confidently before wake up in time.

Prototype 1.0

Sub-Sleep

APP UI DESIGN

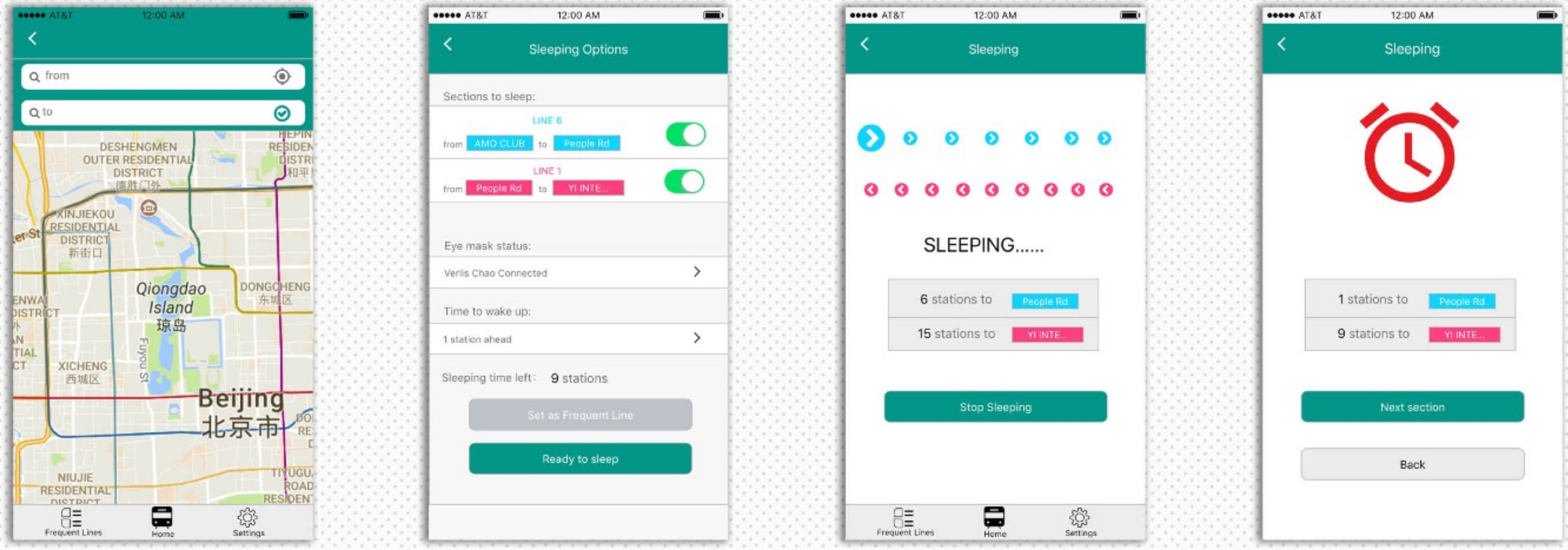

中间按钮到确定之后的页面
直接是睡眠状态吗?
可点击睡眠状态
position
上海地铁
开启睡眠模式
拼音
假地图
确定你的起点位置
Your location
Shanghai
输入终点
输入终点-确定-选择路线-点击选择睡眠终点站-确定
提前结束
不预习
已下载的离线地图,是否有相应的功能
常用路线
Hafi Restaurant
hallesche
haipe Station
haabu
hapong line
Hamburg
hospital
Amalienstraße 4
Potsdam Platz
Frauen-Steinmetz
Viktoria Urban
Line 1
Line 2
Line 3
20min 30km
睡眠状态: 已连接
Potsdamer Straße 5
Shanghai Station
开始睡眠
实际跑的有几种方式:
① 界面直接到睡眠→选择睡眠
② 线路选择→入睡
或者入睡作为二级按钮
还得选择提前多少站
logo
登录中
user
password
常用路线
Marien → Walper
Station 3 → Line 5
Metro
1. 实现 Subway
2. 无线接受
睡眠中...
Shanghai
剩余时间
提前结束
快到站了!
切换路线
绑定成功!
Germany
Berlin
Download
Berlin central station
Berlin Ostbahnhof
stations
school
选择城市
我的位置
定位
常用终点
下一步
Stop
edit: 调整
流程图
PPT

Subway Sleeping

http://www.sznews.com/news/content/images/site3/20070321/00903505.jpg

http://img1.gtimg.com/xian/pics/hv1/70/69/1898/123435115.jpg

Many people in big cities of China live far from where they work. They may spent 1-3 hours in the subway going to work and going home every day, thus leading to a lack of sleep. Due to good public security and order, these people are willing to take a nap to have a rest in the subway. But the biggest concern is that they may oversleep and miss the stop.


●●●●● AT&T
12:00 AM
from
to
DESHENGMEN OUTER RESIDENTIAL DISTRICT 德胜门外
XINJIEKOU RESIDENTIAL DISTRICT 新街口
Qiongdao Island 琼岛
DONGCHENG 东城区
XICHENG 西城区
Fuyou St
Beijing 北京市
NIUJIE RESIDENTIAL DISTRICT
Frequent Lines
Home
Settings
Sleeping Options
Set as Frequent Line
Ready to sleep
Sleeping
Stop Sleeping
Next section
Back

Sections to sleep:

LINE 6
from AMO CLUB to People Rd

LINE 1
from People Rd to YI INTE...

Eye mask status:

Verlis Chao Connected

Time to wake up:

1 station ahead

Sleeping time left: 9 stations

SLEEPING......

6 stations to People Rd
15 stations to YI INTE...

1 stations to People Rd
9 stations to YI INTE...

main interfaces

This app aims to help those people who need to sleep in the subway prevent oversleeping.

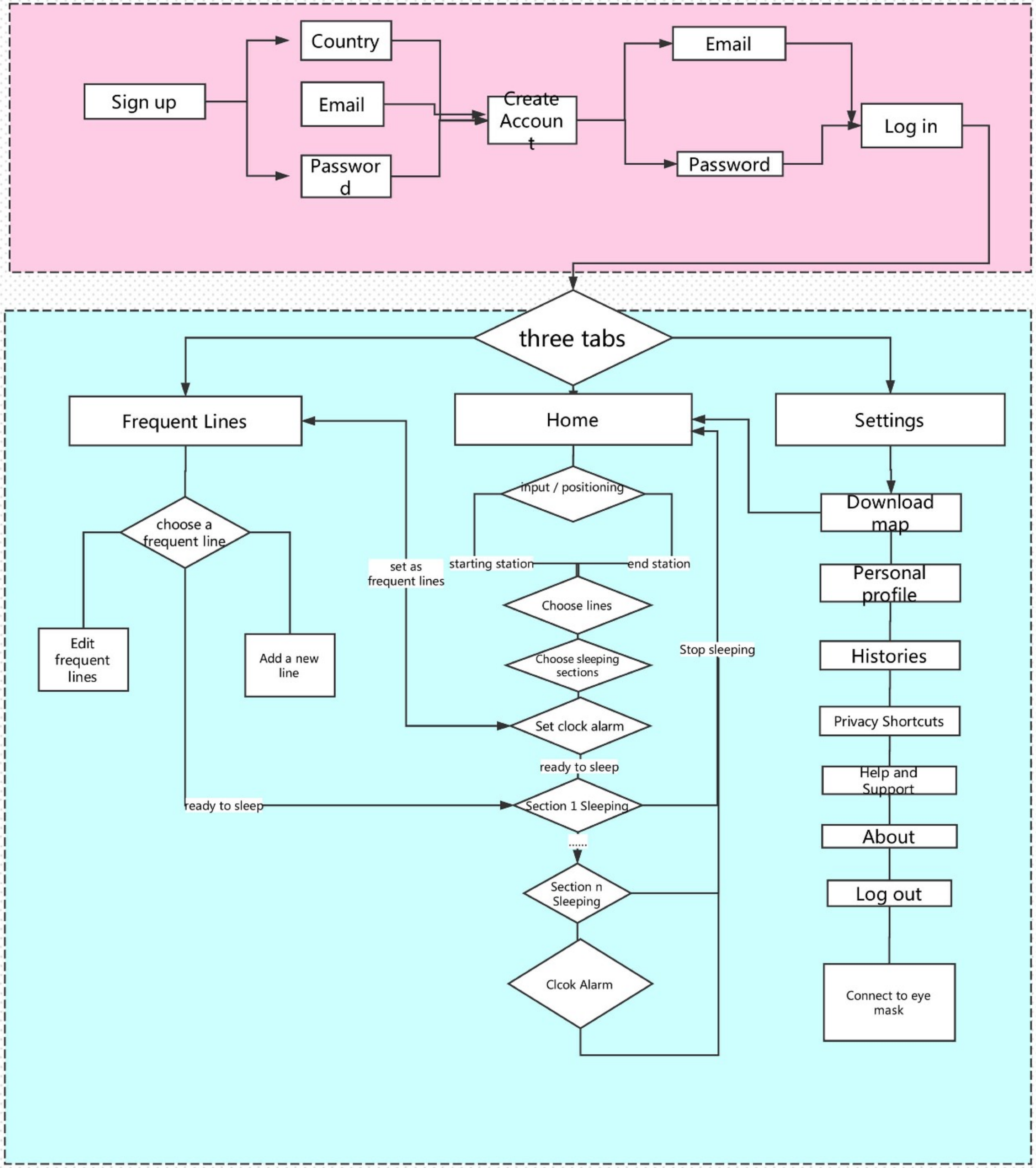
With the offline subway route map and location-based alarm, the APP can get the user's location, lines and destination so the user can sleep confidently before the APP wake her/him up on certain specific station.

Project on Youtube: https://youtu.be/BNmoSC2GMoE

Name:
Guangrui Fan

Project Title:
Road Sleeping

Email:
guangruifan1992@gmail.com


Sign up
Country
Email
Password
Create Account
Email
Password
Log in
three tabs
Frequent Lines
Home
Settings
choose a frequent line
Edit frequent lines
Add a new line
set as frequent lines
input / positioning
starting station
end station
Choose lines
Choose sleeping sections
Set clock alarm
ready to sleep
ready to sleep
Section 1 Sleeping
......
Section n Sleeping
Clcok Alarm
Stop sleeping
Download map
Personal profile
Histories
Privacy Shortcuts
Help and Support
About
Log out
Connect to eye mask

the Logic Map

Name:

Guangrui Fan

Project Title:

Road Sleeping

Email:

guangruifan1992@gmail.com

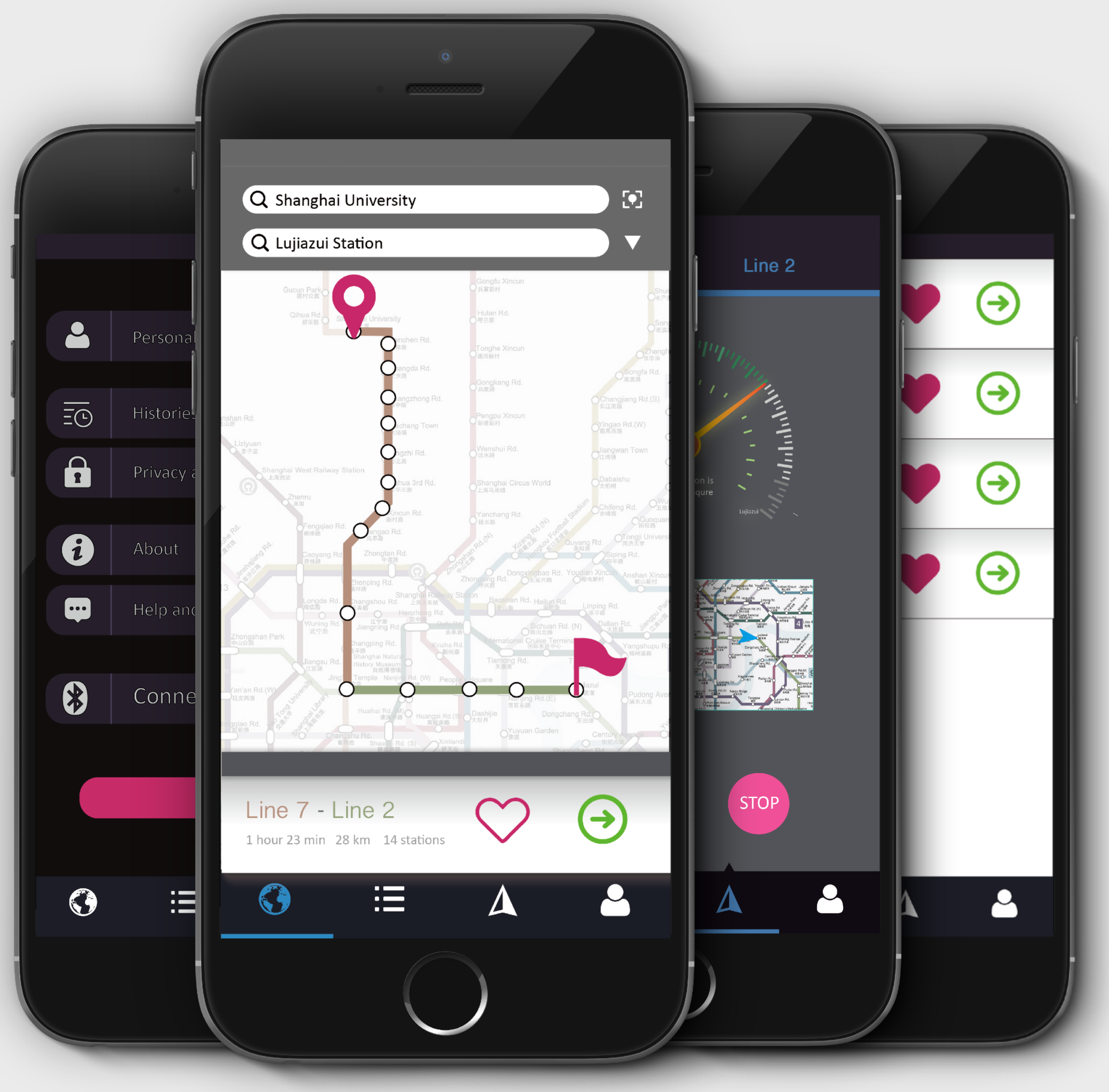
Video demo: https://youtu.be/BNmoSC2GMoE

Android apk prototype

Html 5 prototype

Sub-Sleep

APP UI DESIGN


Shanghai University
Lujiazui Station
Line 7 - Line 2
1 hour 23 min 28 km 14 stations
Line 2
STOP
Personal
Historie
Privacy
About
Help and
Conne

Sub-Sleep

Guang-Rui Fan

Tongji University-Design and Innovation college-Industrial Design

Bauhaus University-Media Architecture-IDE

Interface Design Project

E-mail: guangruifan1992@gmail.com