

Users

**USC
walkers
and bikers**

**Visitors
trying to
navigate
campus**

**New
professors**

**Faculty
Members**

**Visiting
family
members**

Functions

Show
different
paths
throughout
campus

Search for
room by
building and
room number

Finding
classes
inside the
building

Show
off-campus
places that
accept
carolinacard

How to
get to
different
events

Build a
schedule and
show paths in
between
classes

Show
Building
layouts

Auto update
most effective
route based
on foot traffic

Shortcuts

Show
crowd
density of
paths

User
submitted
reviews
for routes

Alternate
routes for
bikers

Issues

Location
updates

Loss of user
internet
connection

Crowd
density

Accurate
position
tracking

Detours/
trains

Privacy
from
other
users

Preventing
trespassing

Funding

Expanding to other
campuses/colleges?

How to
get map
data?

Moderation
for user
submitted
routes/paths

Methods

Handcrafted
routes/
shortcuts

App using
location

Users can
submit
routes

Database of
where
everything is

Map view
and text
view for
directions

Faculty
can send
location
updates

Ability to
post
pictures

Theoretically
works on both
android/iOS,
maybe have
dedicated
website?

Verified
posters

Featured
routes,
route
ratings

Pros

Users will be
able to get to
class as fast as
possible

Avoiding
trains and
heavy
traffic