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