

CSCE 190

Assignment Name: Assignment #1

Group Name: CSCE 190 Group #1

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Problem Statement:

Many new students, or parents unfamiliar with the UofSC campus can get lost and waste time looking for certain buildings on campus. Removing this barrier would help increase the first-year student experience.

Who is experiencing the problem?

- Undergraduate students taking classes in new buildings
- Transfer students taking classes in new buildings
- People unfamiliar with the location

What is the problem?

- A lot of buildings on the UofSC Columbia campus have confusing, unintuitive, and simply weird architectural designs and people can easily get lost in these buildings or be late for meetings.
- If you forget your Carolina card in a classroom, you will be locked out of the building/research lab unless someone lets you in.

Where does the problem present itself?

- The problem presents itself in campus buildings and related university property.

Why does it matter?

- Getting lost on first day of classes can be a hinderance to first year student experiences
- Leaving your Carolina card in a research lab sucks, since you will have to email a professor, or wait for someone to let you in.
- Finding the fastest way to get to a new building could be helpful for students.

Possible Solutions

- This solution could result in a more efficient and intuitive first year experience for freshmen.
- Building upkeep management can reduce costs by only improving the areas where the app recommends people walk.
- It could offer to give a route with the least human contact to reduce the possibility of illnesses spreading.
- It could also be used to help students find professors' offices, and less time could be wasted trying to email people.
- The app could also let the user know if they have access to the building or room they are trying to enter.
- It could also give students access to the buildings/room they are trying to enter if an administrator/professor provides "temporary access".
- This would work just like their Carolina Card and could replace it in certain cases.
- Maybe a professor needs to provide lab access to a student, and this would be useful for that.