

CMSC436 Project Proposal: Campus Comfort

Project Team 2:

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App Description:

Our app will be a UMD facilities rating app similar to Yelp. It will allow users to leave ratings for different buildings and amenities around campus. All amenities will be rated on an overall star rating (1-5) and an optional text review and image. Different types of amenities will also be rated on different additional fields, such as bathrooms being rated for cleanliness, cafes for customer service, and buildings for accessibility. If there is time, the app will also be able to suggest amenities within a given distance of you based on its reviews.

Minimal Goals:

Our app will have 2 main tabs. The first is a map tab where you can leave reviews and get suggestions. The second is a my reviews tab where you can see a list of your review history.

- GPS map
- Rating system by placing a point at your current location, selecting review type (building/study area/ect)
- Rate:
 - Buildings overall
 - Study areas
 - Bathrooms
 - Water fountains
 - Cafes
 - Miscellaneous
- Every rating type includes:
 - Star rating (1-5)
 - Location / Building Name
 - Text review (optional)
 - Image (optional)
- Criteria for buildings specifically:
 - Accessibility
 - Navigability
- Criteria for bathrooms specifically:
 - Quality

- Cleanliness
- Well stocked
- Criteria for cafes specifically:
 - Customer service
 - Food/drink quality
 - Cleanliness
- Criteria for miscellaneous category:
 - Text field for type of object being reviewed
 - Ex: nap pods, microwaves, ect
- Amenity suggestions
- Detect what building you are in by your current gps location
 - Requires knowledge of where buildings are
- My reviews tab to show your review history

Stretch Goals:

We have identified the following stretch goals:

- A building information popup with pictures and reviews

Project Timeline:

Milestone 1:

- Map tab completed with a scrollable map
- My reviews tab
- Review system with amenity types

Milestone 2:

- User GPS tracking
- Amenity suggestions

Milestone 3:

- Geofencing campus buildings so the app can know what building you are in based on your location. This lays the groundwork for the building summary pop ups stretch goal

Final Submission:

- Stretch goals
 - Building information popup with pictures, reviews, and comments
- Video
- Write up