WSU Building WayFinding

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Group Name: 5TH (Tired but Hardworking) Group

Prospective Users and Problem Domain:

At Washington State University, we have multiple buildings and we can find these buildings easily using google or apple maps. However, when we enter a building, it is difficult to find a particular room or office in the building. Voiland College of Engineering and Architecture contains more than one building connected like Dana, Sloan, ETRL, EME. New students or staff often wander around to find a particular room. To solve this conundrum, we are going to design a mobile application named "WSU Building WayFinding" and it will be used for all the Washington State University students, staff, and visitors.

Proposed Solution:

Currently, Washington State University has a poster version of WSU Building WayFinding. If people want to find a room, they need to memorize the route or take a picture of the map and then try to locate the room. We are going to design a mobile app to make it easier and more clear to use. We will implement an indoor navigation app to store all the room and floor information. WSU Building WayFinding app can locate your current location. When you search any room, it will show you a quick way to arrive at your location. Also, it may include more details about the functions of each room (If it has functions); and available time for some office rooms (If we have this information).

Core features:

Our software will mainly support the following core features:

1. **Navigation in buildings:**
   Users can navigate to their destination using the app.
2. **Office functions checking:**
   Users can select a particular room or office and can see the activities of the room.
3. **Report an issue of a room:**
   Users can report an issue regarding the room like electricity problem, cleaning a room, requesting tissues or hand soap for a restroom etc.
4. **Study Room availability checking:**
   Study rooms availability can be checked and students can also book the room for study.
5. **Fire Escape Route :**
   In case of emergency, users can have a quick look where the fire escape exit is located.