CS615 Project Proposal (Group 2)

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Project subject: Parking monitoring app for UMB

Problem statement

Although UMass Boston is equipped with state-of-the-art parking facilities such as the recently built West Garage, the university parking space is crowded with parkers during the daytime. It is a time-consuming process to roam around each floor of parking facilities leaving it to luck to find a parking space, especially during the daytime. This also causes congestion within the parking and it makes the parking more tedious and tiring. In this project, our group will propose a concept of a real-time parking spot monitoring app that allows users to recognize which floor, and which spot is available to park once checking the app. The ultimate goal is to save users time by allowing users to find parking spaces at once without wandering around the parking lot aimlessly with an app created by our team. As potential obstacles, we may need to generate our interactive map that mimics the real parking facilities at UMB such as each floor diagram of the west garage at UMB. Mimicking and generating dummy data that acts as real-time parking occupancy can be a possible obstacle to implementation.