Group 19
Parking System

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Roadmap

Update

Time Graphs

Status System

Code Demos

Business Values

Going Forward

Update

Implementation Upgrades

❖ New Availability View (Time Graphs)

Allows users to easily view a dynamically changing availability graph showing parking use at certain times of day

❖ Status System

Eliminates user need to worry about restrictions and regulations as app handles everything only displaying lots that are safe to park in by attaining the user's status with Rutgers

Time Graphs

The focal point of simple user experience can be amplified with easy to view graphs detailing usual parking spot activity

Time Graphs

- Display hours of the day with corresponding parking usage
- Available for each parking lot so can be used to plan ahead or determine if a good spot will be available
- If lot is full then system will not allow reservation but the time graphs will allow user to see when to arrive at the lot in the future to ensure an open spot

Status System

A major aspect is the need to simplify user experience while also eliminating human interaction with the parking maintenance as much as currently possible

Status System

- Creates distinctions between account time selected at registration; student,faculty, or guest
- Each status will have its own restrictions such as College Ave parking deck only being available to students after 5:00 PM
- The system will display lots available to that specific user to eliminate worry
- Rutgers security in checking license plates for proper parking can be reduced or eliminated as lots would require a scan in with ID and the app would ensure parking is done in proper lots

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Business Values

- Student's parking permit functionality will remain the same but now they can pay a fee to park at a different campus
    - This offers convenience for the students that did not receive their desired parking campus
    - Provides additional source of income for Rutgers
    - Offer special packages
- Rutgers will be able to collect data on parking trends and be able to better allocate their resources
- The automated system will guarantee the students to be parked at the correct lot
    - This reduces the likelihood of students getting parking violations
    - It also reduces the expenses of RUPD parking lot checks

Going Forward

Major Points

- Finish Any Remaining Coding
- Complete Integration
- Robust Testing