

# Release Summary Document

Product Name: No-Taps

Team Name: No Taps

Date: 3/12/2024

## User stories and Acceptance criteria:

1. As a commuting student, I want to know where all the parking lots are on campus, so I can plan out where I need to park.
  - Map display all the parking lots
2. As a new student, I want to know which parking lot I can park in, so I can make good decisions about where to park
  - Parking lots have detail information
3. As a student, I want to be able to filter search preferences so that I can more easily find parking that works for me.
  - Filtering functions that allow me to filter base on permits
4. As a new student, I want to know where I can park with my permit so that I do not get a ticket
  - Searching function that allows me to enter the parking lot and shows which permits may park there
5. As a visitor, I need to know which parking lots or spaces I can park at so that I can ensure that I can avoid any parking tickets.
  - Taps icon should display on parking lots after a user submits a taps report
6. As a student, I need to know the availability of parking lots or spaces so that I can ensure that I can get to class on time.
  - Parking lots should display different color from green to red to show the fullness of each parking lot
7. As a student, I want a clearer and more accessible user interface to make navigation easier
  - Navigation should be simple and intuitive for any user
8. As a student, I want a reliable hosting solution that minimizes the chance of service interruptions
  - User should be able to access to our website using the URL

## Known Bugs and Problems:

1. The user inputs might be duplicated; The same user can input the same information over and over
  - We don't have a login system for each user. We can't tell if it's the same user who keeps sending the data or not.

2. We only record the latest data to our database; We should have a filter to the data.
3. The data is not consistent after you close each time. After closing the web app, the database does not save any of the data
  - a. The JSON information for parking lot data cannot be handled by the website when your browser has any extensions

## Product Backlog:

1. As a user, I want a web app that does not take duplicated data so that the data can be more accurate
  - a. User login system to prevent data duplication
2. As a user, I want to be able to see the most relevant and meaningful data from the reporting system
  - a. More robust filtering algorithm for backend reporting data
3. As a user, I want the data from the database to be constantly updated and save data between sessions
  - a. Online hosting for backend that would allow database to be constantly running and save data in between sessions