



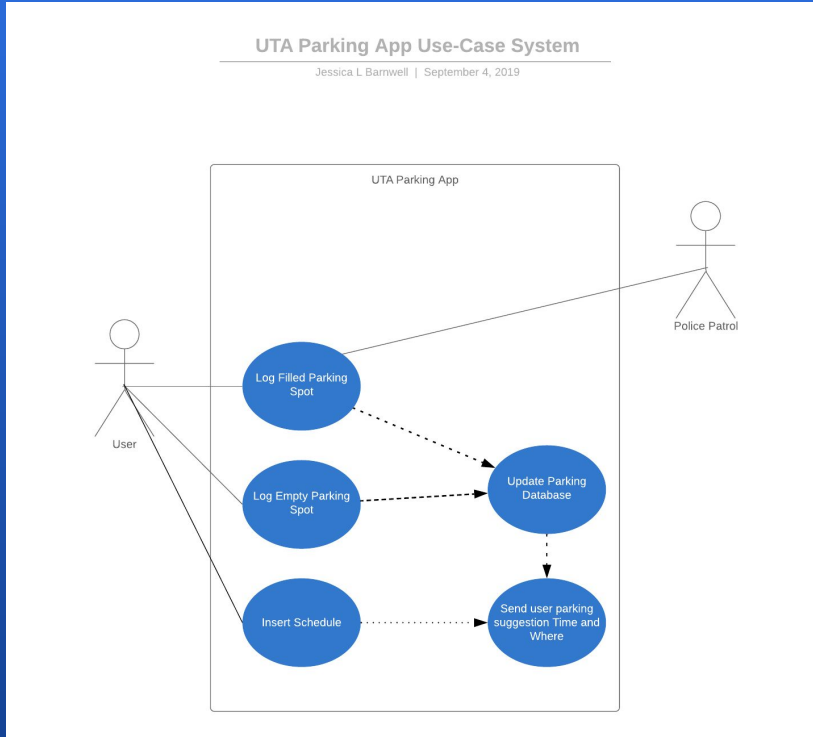
# UTA Parking App Inception

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Who has ever had a  
hard time finding  
parking on  
Campus?  
... or finding their  
car?



# How It might work:



- Future Idea, We will have the UTA Police involved
- Current Idea, Get an app working that lets students find empty parking spots and parking lots with less of a headache
- **Our Vision: Improve Student and Staff productivity by limiting the time it takes to find a Parking Spot.**

# Why is this Important?

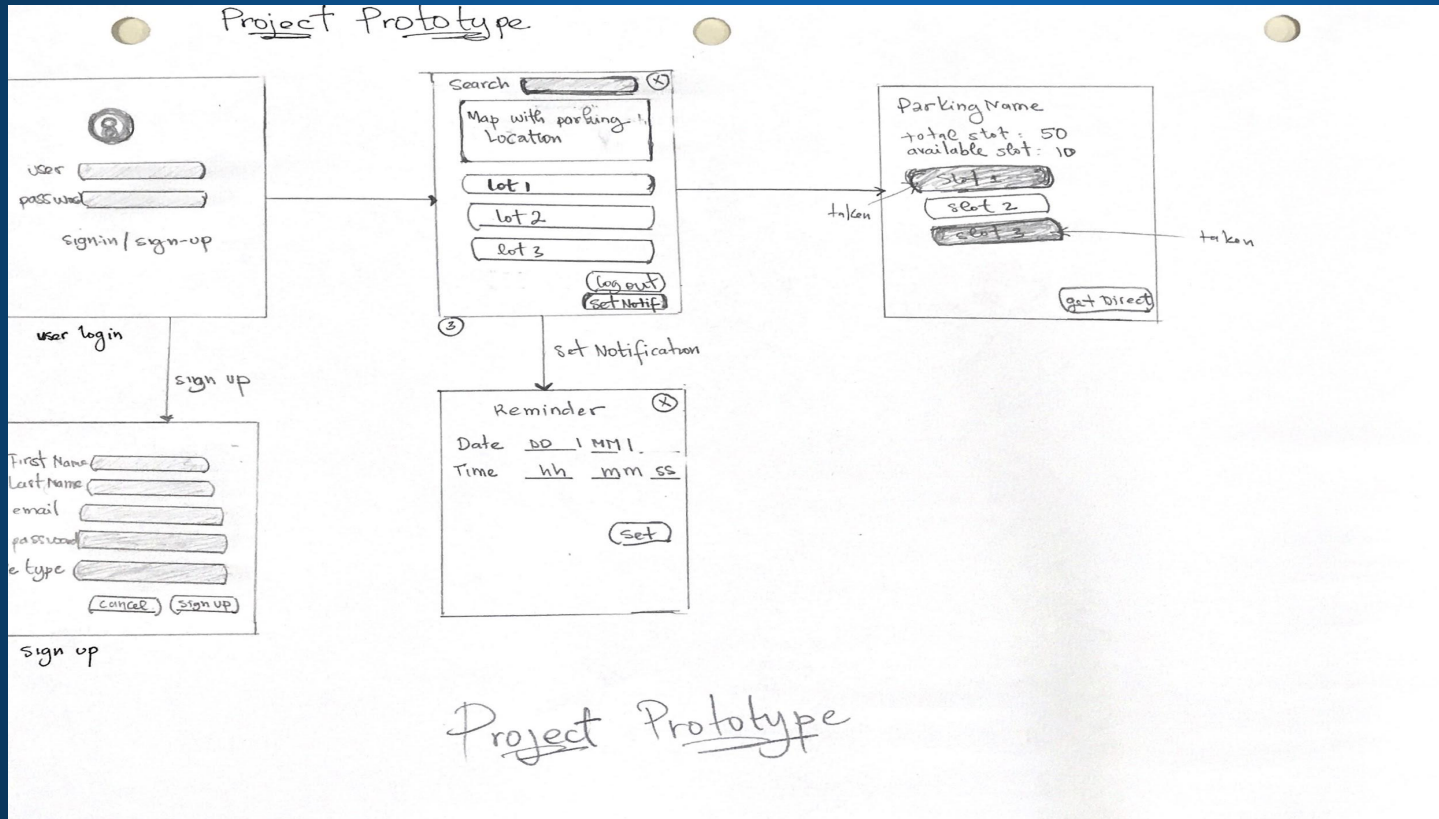
Rank	U.S. City	Average 2-Hour Parking Cost (One mile of city center)	On-Street Search Time (mins/trip)	Off-Street Search Time (mins/trip)	Annual Search Time (hours/driver/year)	Annual Search Cost Per Driver	Annual Search Cost Per City
1	New York	\$33	15	13	107	\$2,243	\$4.3bn
2	Los Angeles	\$14	12	11	85	\$1,785	\$3.7bn
3	San Francisco	\$12	12	11	83	\$1,735	\$655m
4	Washington D.C.	\$18	10	9	65	\$1,367	\$329m
5	Seattle	\$10	9	8	58	\$1,205	\$490m
6	Chicago	\$22	9	8	56	\$1,174	\$1.3bn
7	Boston	\$26	8	8	53	\$1,111	\$262m
8	Atlanta	\$6	8	8	50	\$1,043	\$251m
9	Dallas	\$6	8	8	48	\$995	\$726m
10	Detroit	\$9	6	6	35	\$731	\$209m
	<b>US</b>	<b>\$4</b>	<b>2</b>	<b>2</b>	<b>17</b>	<b>\$345</b>	<b>\$72.7bn</b>

## Our Competitors

1. ParkMobile
2. SpotHero
3. ParkWhiz

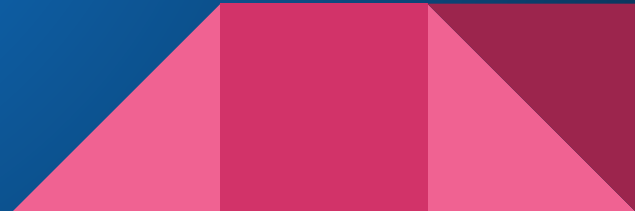


# Prototype



# Expected Features of App

- Scheduler: put in your class or work schedule to have predictive reminders
- Reminders: Tells you when you need to head to class/work and tells you the least congested parking lot
- Parking Lot Filters: Filter out parking pass levels
- UTA Event Calendar: Helps Predict Congestion and Keeps you in the know how



# Trello

The screenshot displays the Trello web interface for a board titled "UTA Parking App". The interface includes a top navigation bar with a home icon, a "Boards" tab, a search bar, the Trello logo, and user profile icons. The board itself has a header with a star icon, the board name, a "Free" label, a "Private" lock icon, member avatars (BA, J, T), an "Invite" button, and a "Show Menu" button. The main workspace contains four columns: "Things To Do", "Started", "In progress", and "Done". The "Things To Do" column is expanded, showing a list of tasks: "iOS User login interface", "iOS Map integration", "Android User login interface", "Android Map integration", "User database", "Parking database", "iOS GPS tracking", "Android GPS tracking", "iOS User Notifications", and "Android User Notifications". Each of the other three columns has a "+ Add a card" button. A "+ Add another list" button is located at the bottom right of the board area.

Boards

UTA Parking App ☆ ParkingApp Free Private BA J T Invite ... Show Menu

**Things To Do** ...

- iOS User login interface
- iOS Map integration
- Android User login interface
- Android Map integration
- User database
- Parking database
- iOS GPS tracking
- Android GPS tracking
- iOS User Notifications
- Android User Notifications
- + Add another card

**Started** ...

+ Add a card

**In progress** ...

+ Add a card

**Done** ...

+ Add a card

+ Add another list



# The Risk that comes with this app

## 1. Knowledge Gap

- a. Predicted to be 5 Hours
- b. Can be Mitigated by Self Teaching Throughout as well as Getting help from an Expert

## 2. Short Deadlines

- a. Predicted to be 4.8 hours
- b. Can be Mitigated by Status Meetings and Realistic Expectations on our part

## 3. Scheduling

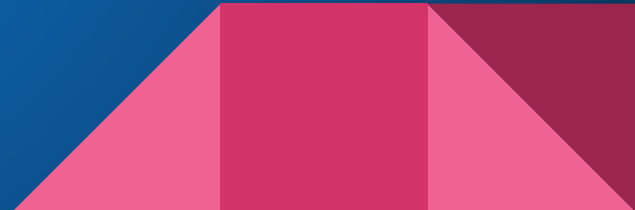
- a. Predict to be 3 hours
- b. Can be Mitigated by Online Meetings and Rescheduling

## 4. Under Estimation of Risk

- a. Predict to be 2.7 hours of extra work if exposed
- b. Can be Mitigated by Reexamining Risk throughout

## 5. User Data Leak

- a. Predicted to be 2 hours of extra work if exposed
- b. Can be mitigated by safe code practices



# Citation

- Inrix. (n.d.). Searching for Parking Costs Americans \$73 Billion a Year. Retrieved from <http://inrix.com/press-releases/parking-pain-us/>

# GitHub Repository Link

- <https://github.com/J-ctrl/UTAParkingApp>