

**JagTrack**

## **Brief Use Cases**

Version 1.0

## Use Cases

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### Choose Stop:

- 1) User boots application in phone.
- 2) System indicates there are two nearby bus stops.
- 3) System indicates where bus is on route.
- 4) User chooses optimal stop.
- 5) User waits at bus stop for bus to arrive.

### Wait time:

- 1) User accesses application on phone.
- 2) User inputs desired destination into application.
- 3) Application displays optimal route and the amount of riders waiting.
- 4) Application displays estimate wait time at the bus stop.
- 5) Application displays estimated arrival time at desired destination.

### Travel Time:

- 1) User boots application in phone.
- 2) User enters current location.
- 3) User enters desired location.
- 4) Application calculates and displays travel time.
- 5) User uses the information to decide whether or not to wait for bus.

### Bus Arrival:

- 1) User boots application in phone.
- 2) User chooses desired destination.
- 3) Application displays direction of nearest Bus Stop.
- 4) Application displays most efficient bus to take.
- 5) User selects bus.
- 6) Application displays approximate time till bus arrival.

### Routes through stop:

- 1) User arrives at bus stop.
- 2) User views application display.
- 3) Application display shows buses that stop at current bus stop.
- 4) User selects which bus they want to take.
- 5) Application displays where the next bus is on the route and estimated time till arrival.

### Schedule Route:

- 1) User boots application in phone.
- 2) User inputs the day's schedule.
- 3) System stores the information so that it can be accessed or modified later.
- 4) System displays an optimal route from user's schedule.
- 5) User changes routes as needed.

### Route chooser:

- 1) User boots application in phone.
- 2) System displays all routes.
- 3) User chooses which route to track.
- 4) System tracks the route in real-time with map and bus location.
- 5) User can time arrival at bus stop with when the bus arrives.