Experiment screen shots

The following represents the major screens subjects encountered in our experiment. Beginning with the Introduction tutorial screen first shown to participants when they arrive on our server. Followed by a step-by-step walk through of how to use the uncertain bus interface finally a possible scenario shown to participants and possible outcomes a subject may get depending on whether they missed or caught their bus.

Welcome & Tutorial

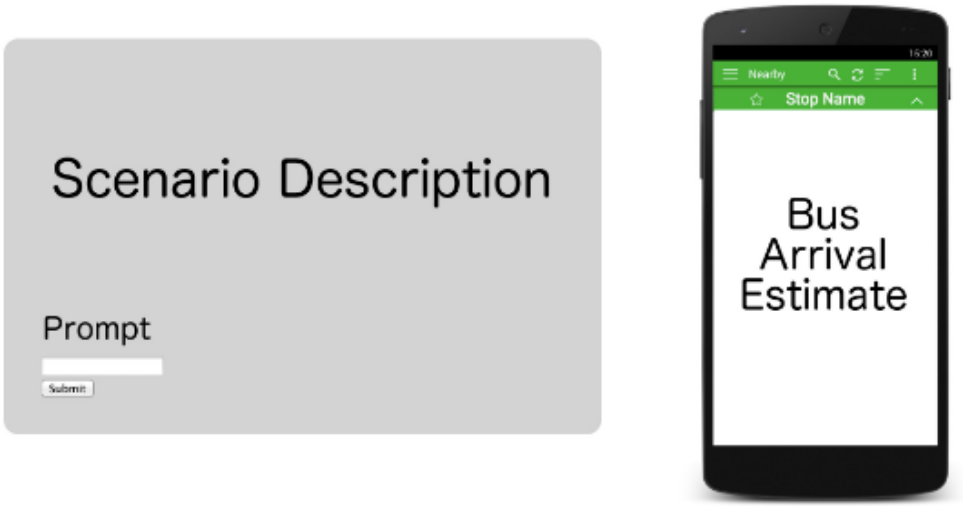
Tutorial

Welcome!

In this task you will be presented with scenarios in which you need to catch a bus. (For example, we may ask you imagine that you need to catch a bus to get to work.) Information about bus arrival times will be given to you by the bus-tracking app "OneBusAway". You must decide **when to arrive at the bus stop** based on this information.

Because of the nature of the experiment, we can not accept the work for workers who do this experiment more than once. If you have already completed this experiment, please return the hit. Thanks!

In each scenario the description will appear on the left, and the bus information will appear on the right:



Next

Rewards

For each trial, you will read the scenario and study the bus application. **You will make a decision about when to leave for the bus stop.** Based on the decision you make in each trial, you will receive a reward calculated in "coins". At the end of the HIT you will receive a bonus based on the **total number of coins you have received across all trials:**

> **1000 Coins = $0.08**
> Ex: If you receive 1000 coins from trial one, 2000 coins from trial two, and 2000 coins from trial three, your reward will be **(1000 + 2000 + 2000) = 5000 Coins = $0.41**

Your reward for each trial depends on whether you catch the bus, and the amount of time spent waiting at the bus stop:

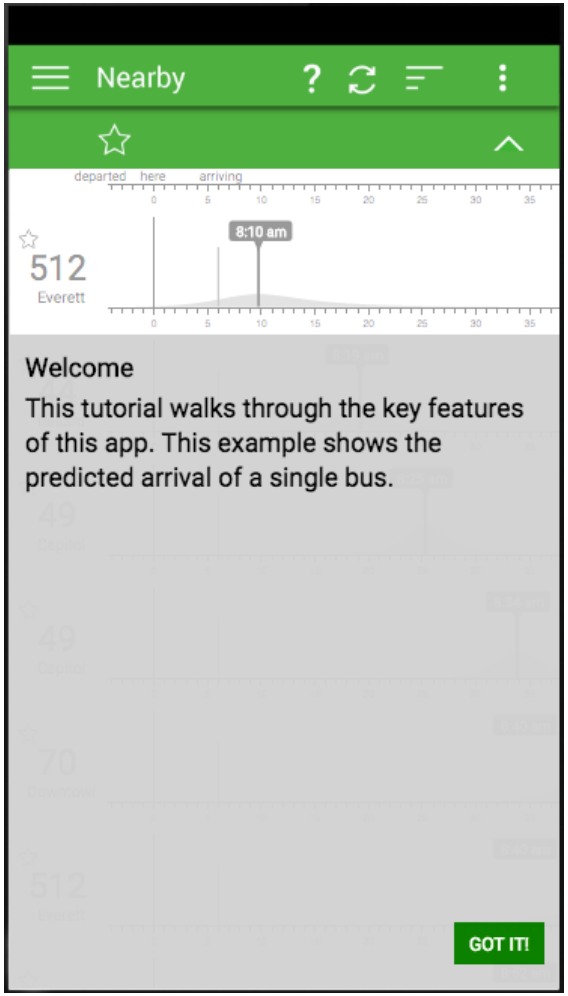
> When you're not at the bus stop you can find ways to occupy yourself, so you will receive **a small reward for each minute you wait before going to the bus stop.**
> Still, your main concern is arriving at your final destination. You will receive **a large bonus for each minute you spend at your destination.**
> However, unnecessary time spent waiting at the bus stop is generally boring and unproductive. So **a small fee will be subtracted from your reward for each minute you spend waiting at the bus stop.**

The exact amounts of these bonuses and fees will change depending on the scenario, and will be provided in the scenario description.

In the next section you will complete three practice rounds. Use the practice rounds to get a feel for how your responses effect your reward. Practice rounds will not effect your bonus for this HIT.

Continue to Practice Scenario

Uncertain Bus Interface


Nearby
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arriving
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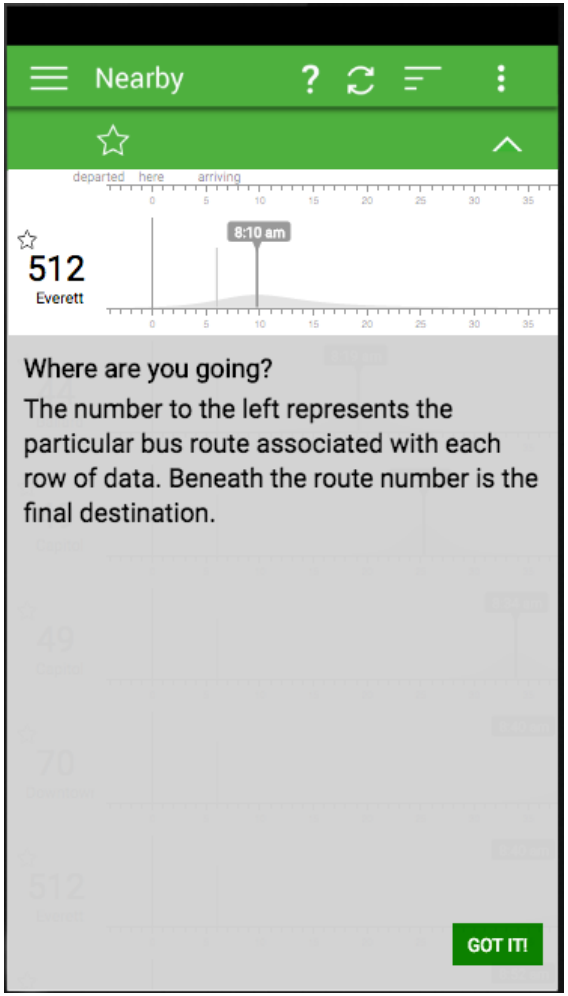
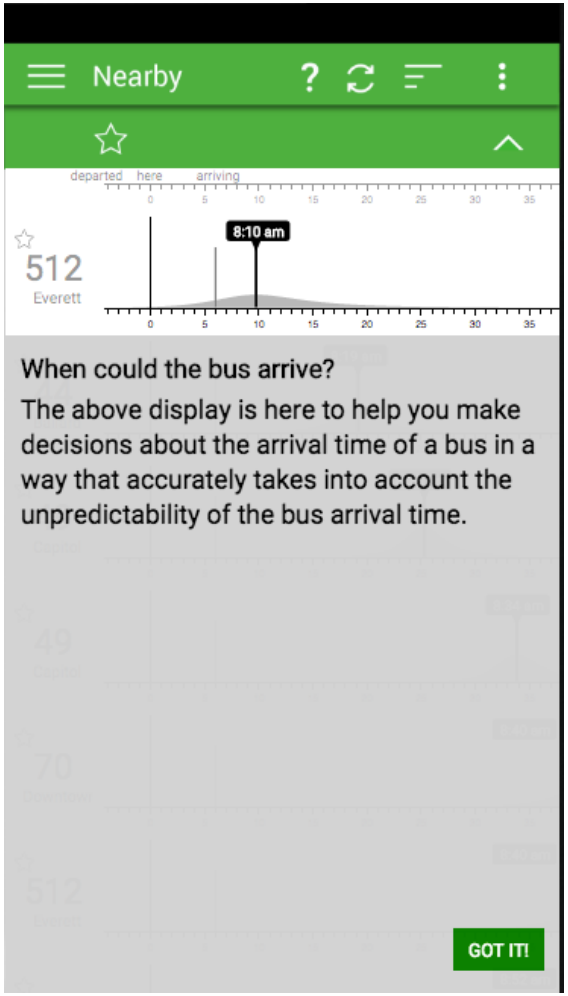
8:10 am
512
Everett
Welcome
This tutorial walks through the key features of this app. This example shows the predicted arrival of a single bus.
GOT IT!


Nearby
departed
here
arriving
8:10 am
512
Everett
Where are you going?
The number to the left represents the particular bus route associated with each row of data. Beneath the route number is the final destination.
GOT IT!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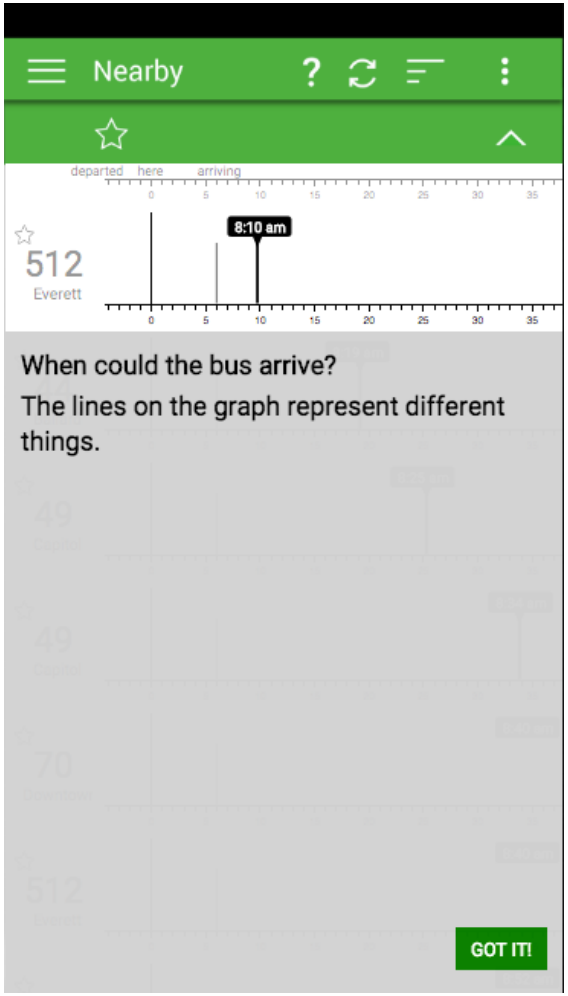
8:10 am
512
Everett
When could the bus arrive?
The above display is here to help you make decisions about the arrival time of a bus in a way that accurately takes into account the unpredictability of the bus arrival time.
GOT IT!


Nearby
departed
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arriving
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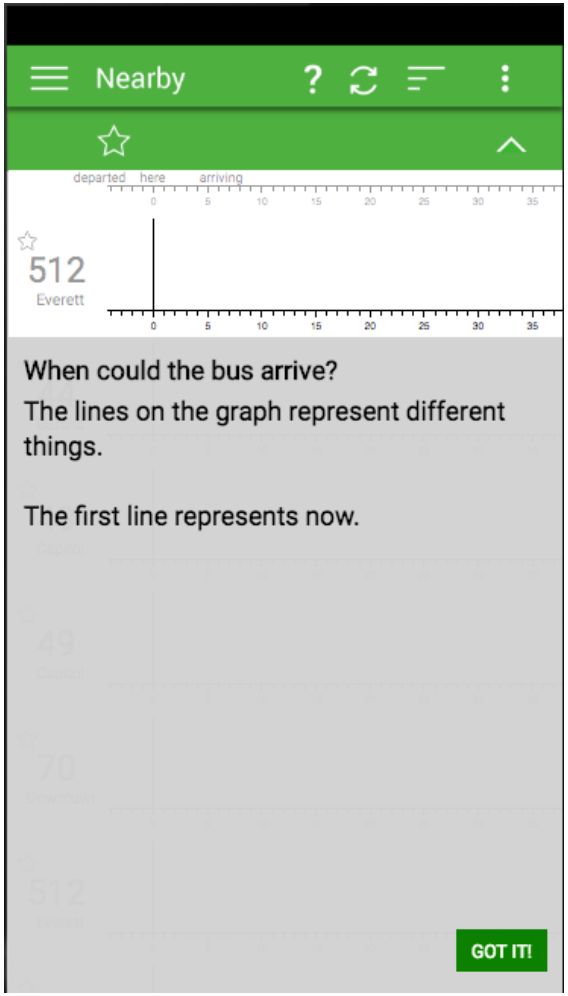
8:10 am
512
Everett
When could the bus arrive?
The lines on the graph represent different things.
GOT IT!


Nearby
departed
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arriving
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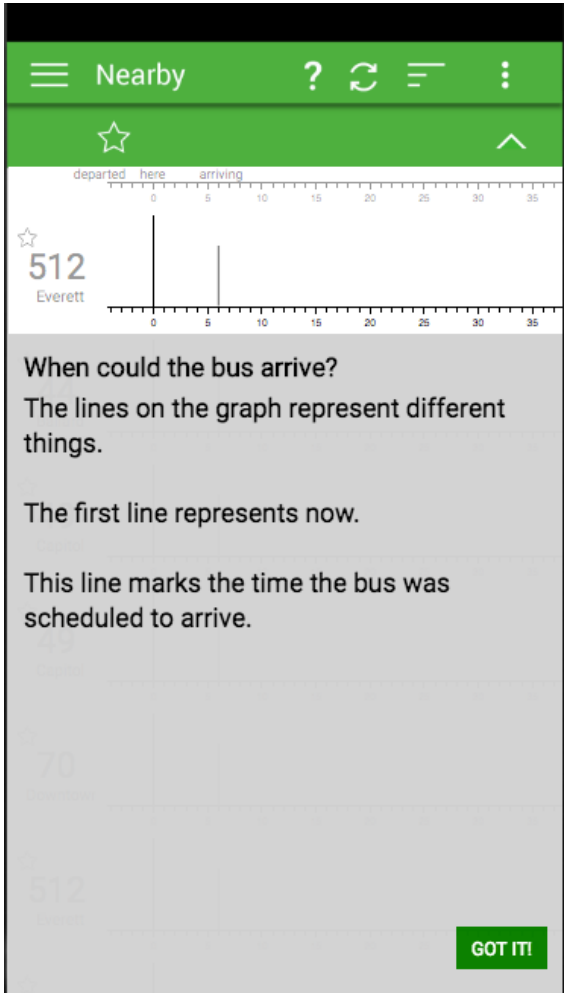
512
Everett
When could the bus arrive?
The lines on the graph represent different things.
The first line represents now.
GOT IT!


Nearby
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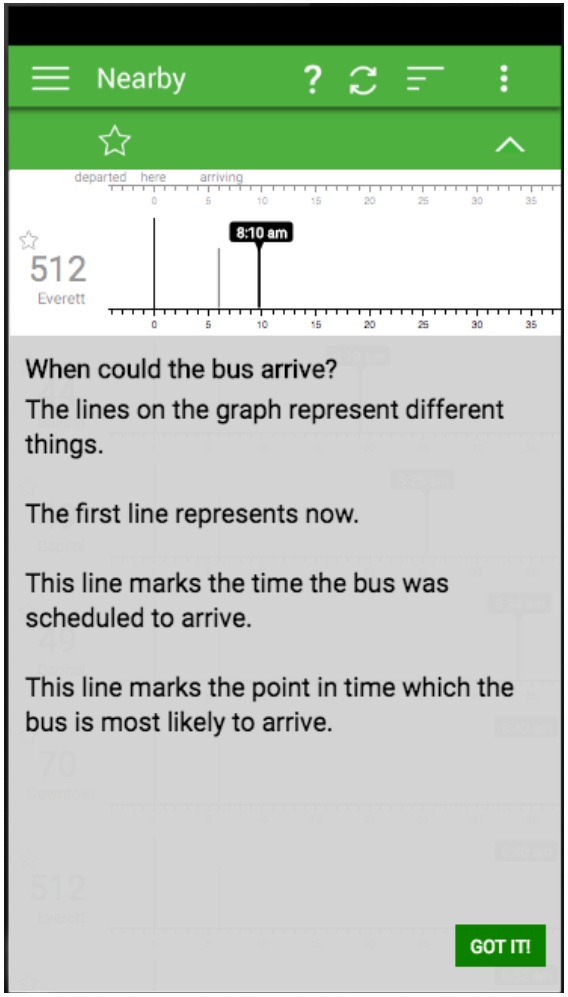
512
Everett
When could the bus arrive?
The lines on the graph represent different things.
The first line represents now.
This line marks the time the bus was scheduled to arrive.
GOT IT!


Nearby
departed
here
arriving
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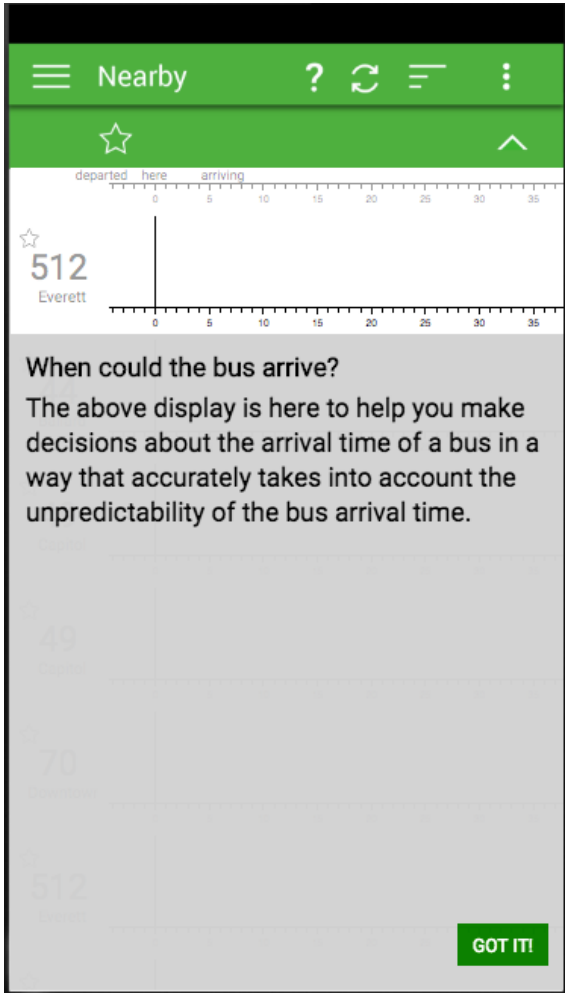
30
35
8:10 am
512
Everett
When could the bus arrive?
The lines on the graph represent different things.
The first line represents now.
This line marks the time the bus was scheduled to arrive.
This line marks the point in time which the bus is most likely to arrive.
GOT IT!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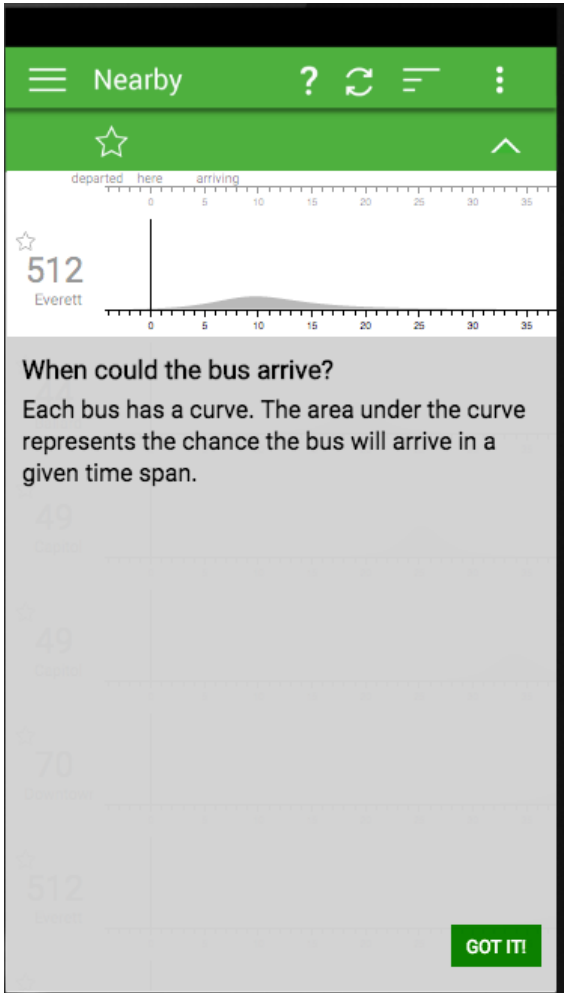
Everett
When could the bus arrive?
The above display is here to help you make decisions about the arrival time of a bus in a way that accurately takes into account the unpredictability of the bus arrival time.
GOT IT!


Nearby
departed
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arriving
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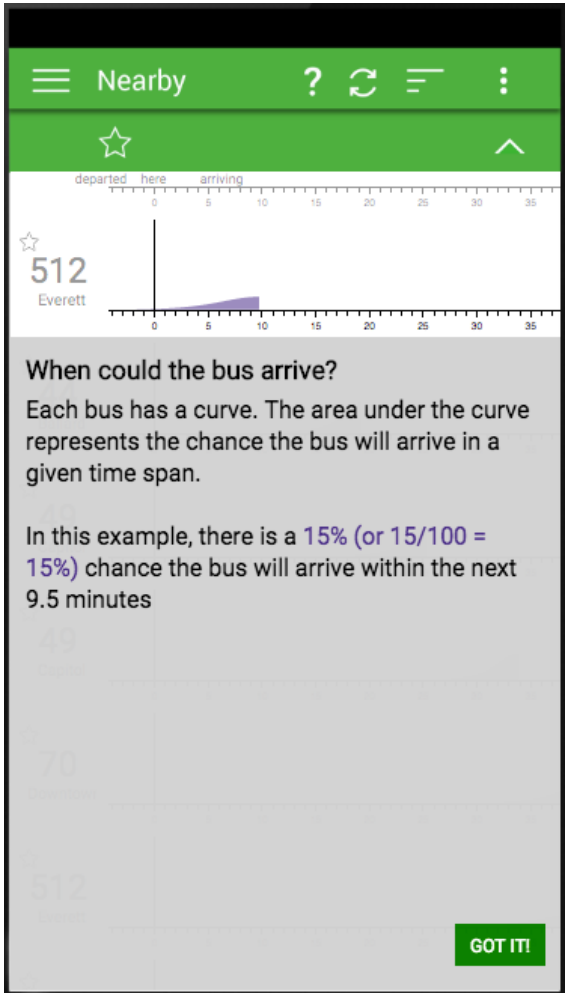
512
Everett
When could the bus arrive?
Each bus has a curve. The area under the curve represents the chance the bus will arrive in a given time span.
GOT IT!


Nearby
departed
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arriving
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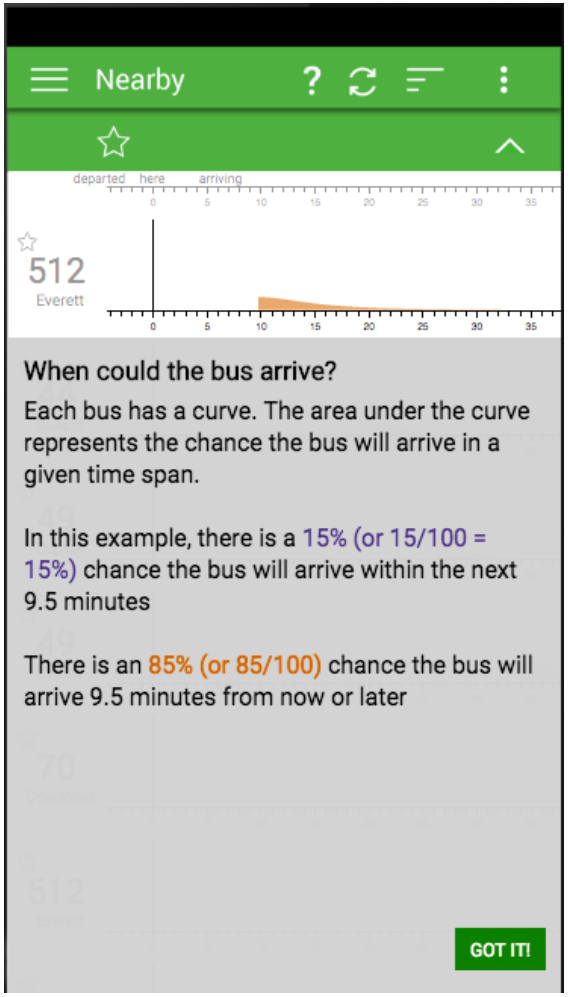
512
Everett
When could the bus arrive?
Each bus has a curve. The area under the curve represents the chance the bus will arrive in a given time span.
In this example, there is a 15% (or 15/100 = 15%) chance the bus will arrive within the next 9.5 minutes
GOT IT!


Nearby
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arriving
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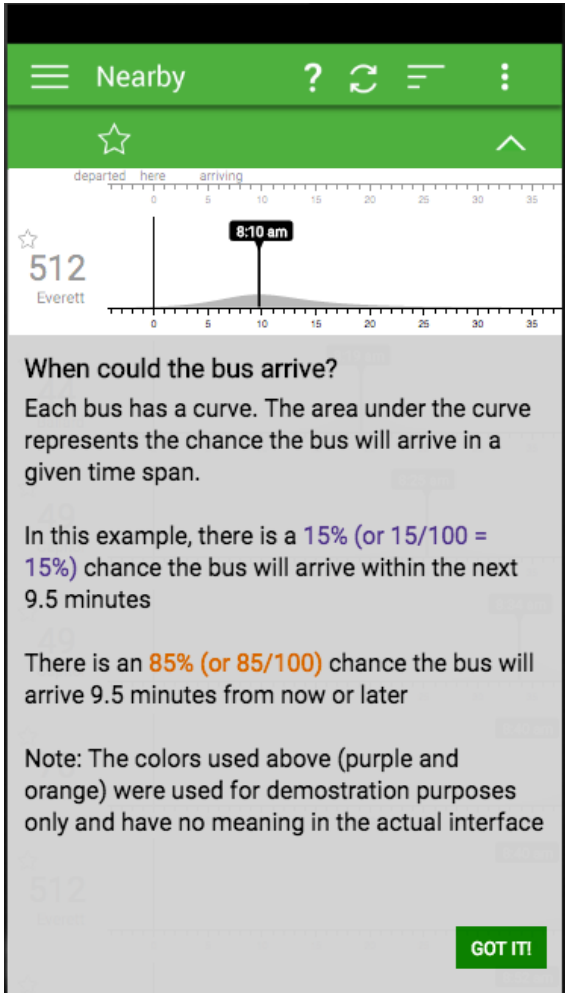
512
Everett
When could the bus arrive?
Each bus has a curve. The area under the curve represents the chance the bus will arrive in a given time span.
In this example, there is a 15% (or 15/100 = 15%) chance the bus will arrive within the next 9.5 minutes
There is an 85% (or 85/100) chance the bus will arrive 9.5 minutes from now or later
GOT IT!


Nearby
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8:10 am
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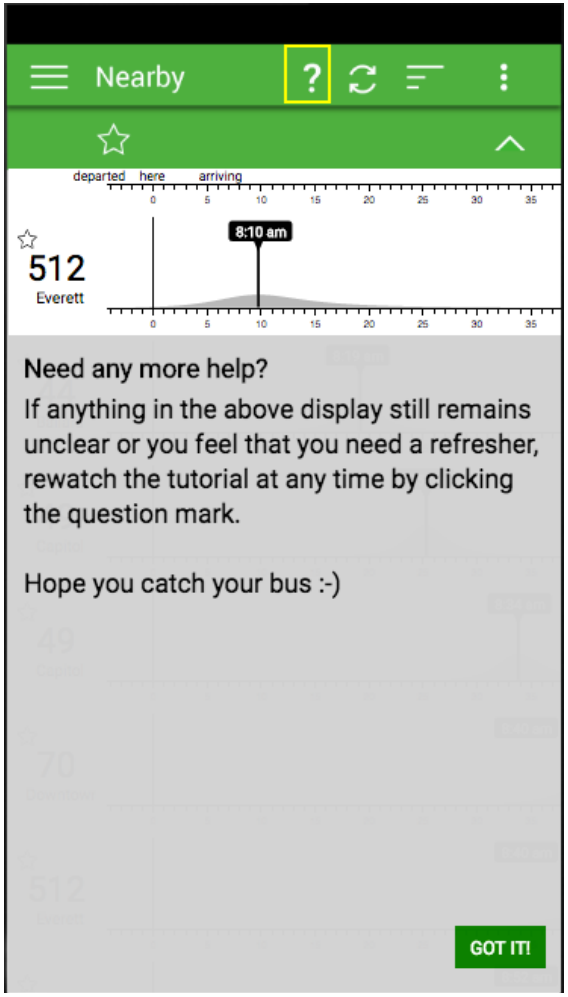
Everett
When could the bus arrive?
Each bus has a curve. The area under the curve represents the chance the bus will arrive in a given time span.
In this example, there is a 15% (or 15/100 = 15%) chance the bus will arrive within the next 9.5 minutes
There is an 85% (or 85/100) chance the bus will arrive 9.5 minutes from now or later
Note: The colors used above (purple and orange) were used for demostration purposes only and have no meaning in the actual interface
GOT IT!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8:10 am
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Everett
Need any more help?
If anything in the above display still remains unclear or you feel that you need a refresher, rewatch the tutorial at any time by clicking the question mark.
Hope you catch your bus :-)
GOT IT!

Experimental Trial

Progress:	0 of 40 trials completed
Cumulative Reward:	0 coins = $0.00

(Practice)

The bus you will take today is **Route 512**. The time is **8:00 AM** .

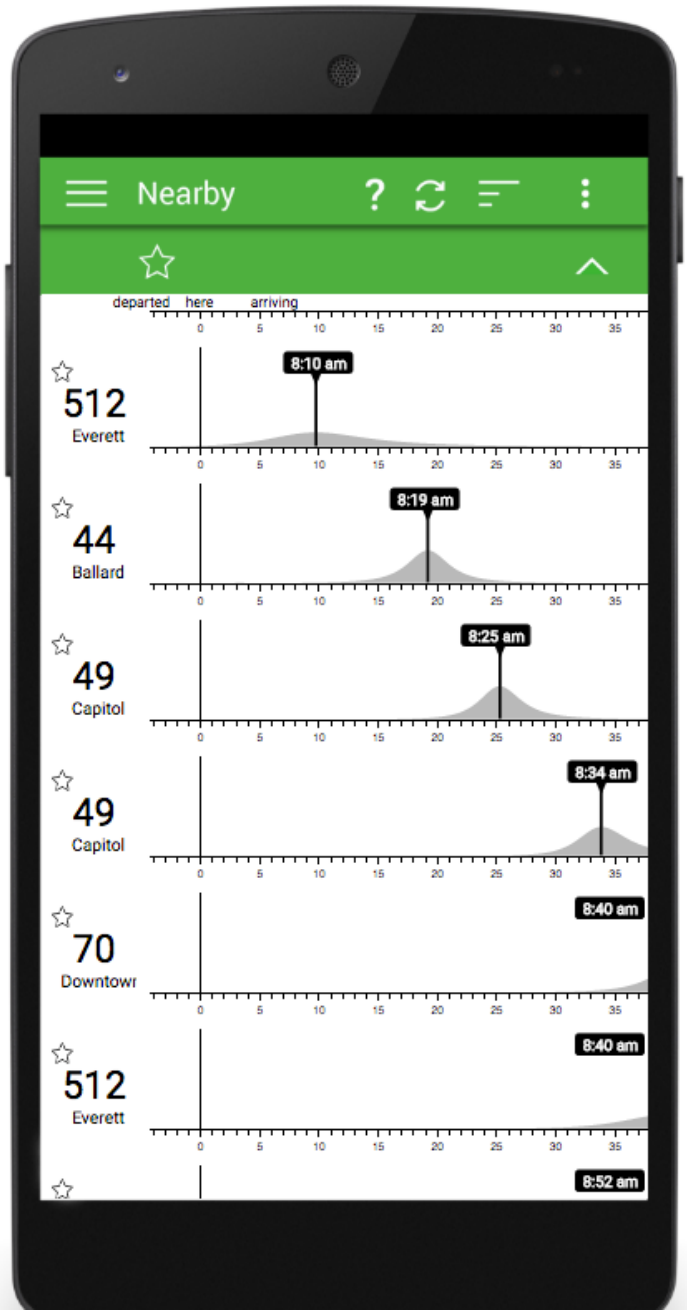
It is a rainy Monday, and you have woken up ahead of schedule. You decide to take the early bus to work and get a head-start on the day. You check OneBusAway (a bus tracking app) for your bus. The app displays the information on the right.

You have a lot of work to get done this week so you'd like to arrive early (**earn 14 coins per minute early you arrive at the office**).

However, it is pouring rain outside and there is no shelter at the bus stop so you'd like to spend as little time waiting outside as possible. Plus, the longer you wait at home before heading to the bus stop, the longer you can read the paper. (**Lose 14 coins per minute spent at the bus stop**, **earn 8 coins per minute spent at home before going to the bus stop**).

How many minutes from now will you plan to be at the bus stop?

Submit



Progress:	0 of 40 trials completed
Cumulative Reward:	0 coins = $0.00

You caught the bus!

You arrived at the bus stop after **12** minutes.

The bus arrived at the stop **6** minutes after you.

You spent **6** total minutes waiting at the bus stop.

After catching the bus and commuting, you were able to spend **60** minutes getting some extra work done.

Time before going to the bus stop:	**+ 96 coins**
Time spent getting some extra work done:	**+ 840 coins**
Time waited at stop:	**- 84 coins**

Your payoff is: **852 coins**

Try another practice round

Progress:	0 of 40 trials completed
Cumulative Reward:	0 coins = $0.00

You missed the bus!

You arrived at the bus stop after **15** minutes.

The bus arrived at the stop **7** minutes before you.

Since you missed the first bus, you caught the next one (which arrived at the stop **26** minutes after you).

You spent **26** total minutes waiting at the bus stop.

After catching the bus and commuting, you were able to spend **27** minutes getting some extra work done.

Time before going to the bus stop:	**+ 120 coins**
Time spent getting some extra work done:	**+ 378 coins**
Time waited at stop:	**- 364 coins**

Your payoff is: **134 coins**

Continue