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Tango README:

Tools used: We built our high-fidelity prototype with React Native and Expo. We used the Expo Go app to test the app as we developed it.

Operating instructions: (Note: the app is optimized for the iPhone X and up.)

To access the app on an iOS device:

1. Download "Expo Go" from the App Store
2. Login to Expo with username: cs147expotango@gmail.com / password: rideSAfer!2021
3. Open your phone browser and visit: https://expo.io/@teamtango/Tango
4. Click the rectangular purple button labelled "Open project using Expo"

Hard Coded Elements:

1. You are always matched with the same buddy.
2. You can start typing in the start and end fields for your trip, but it will autofill to the same stations as our maps are based on the same hard coded route - Fenway to Boylston.
3. The messaging system is partially hardcoded. When you click on the messaging section you will see a message from your buddy asking you to specify your location. If you give a response about your location, a series of auto replies from your buddy will appear, confirming that they now know where you are based on the information you provided in the message. You are guaranteed two automatic replies and after that you can send as many messages as you like but will not get a response.
4. For your in-transit process, the maps are static and will not be live updated as though you are moving on a train.
5. The game is partially hard coded. When you click start game for 20 Questions it will provide you with the same random word every time but you will be able to input your own custom word.

Limitations:

1. The messages from the chat are not persistent. After you message your buddy and navigate away from the messaging system, when you navigate back to the messaging system you will not be able to see your previous messages.
2. If you navigate away from the game progress screen, your game data will reset. For example, if you have registered that there are 14 questions left but you decide to navigate to the chat system or the "live" transit page, then when you click on the game system you will start from the beginning of the game process and have to send another request to your buddy. However, you can view the game rules and then return to the current state of your game.
3. On the game screen after you click "word guessed" or your buddy has run out of questions, the screen will wait 3 seconds and then automatically navigate to a page that

indicates it is your question to guess your buddy's word. We recommend not hitting "end game" during this delay as the app after 3 seconds will always transition to the page that indicates it is now you turn to guess. However, you will have the option to end the game when you are on the screen that indicates that it is your turn to guess.

4. After you hit submit game request, you will have about 8 seconds to cancel your request while the system waits to start the game.

5. Caveat for the schedule flow: After you have selected the button to confirm your ride, you have the option to start your ride whenever. Ideally, this would only appear once your scheduled ride in the future starts but since we did not feel it was feasible for user testing say if someone wants to test scheduling a ride a few days later, we still wanted to give them the option to go through the entire flow of the app and see what the app is like when you are in actually on your ride.

6. When you click the hamburger menu in the corner (3 bars) you will be able to navigate to your upcoming rides and the FAQ. The profile is a static image. We are planning to develop a user profile section in future additions.

7. The hamburger menu appears on some of the in-transit screens, but we suggest that you do not use it to start an upcoming ride if you are already on the in-transit screens. In real circumstances, you wouldn't start a new ride while you are in transit already, so do not do that here either. If you use the hamburger menu and want to view your upcoming rides but want to navigate back to the intransit screen, hit the hamburger menu in the top right corner on the upcoming rides screen. Once you are on the screen that the hamburger menu icon navigates to, hit the back button in the top left corner to get back to the intransit screens.

If you are running from our source code:

If you are having issues downloading the source code, you can access it via our github link: https://github.com/juliakd/tango.

On the top right corner of the code base click the code dropdown menu and select the https option to clone the code. After getting the https link, navigate to your terminal and run the following command to install the source code on your local machine:
git clone git@github.com:juliakd/tango.git