Nibble

Test Documentation

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iOS

System Tests

TEST IF A USER CAN LOG IN

- Open Nibble app
- Tap on sign up
- Create account
- Attempt to login with that account
- If success: Restaurant list shown
- If fail: Error message shown

TEST VALID RESTAURANTS BACKEND AND VERIFY DATA

- After a successful log in to Parse attempt to view a restaurant list
- Cross reference Parse database and verify that not all entries in Parse appear in the app at once
- To verify completion of this test, we compared the list of restaurants returned by our cloud code function against the full database of locations on Parse, checking to ensure that the only restaurants returned met the parameters that we intended.

TEST IF USER CAN GET DETAILS ABOUT A RESTAURANT AND VIEW MENU

- Tap on a restaurant
- Tap on the view menu button
- Verify that a Foursquare menu appears
- Tap on the View on Foursquare Button
- Verify that the restaurant's Foursquare page appears

TEST IF A USER CAN CONTACT THEIR DRIVER (VIA EMAIL)

- Tap on the history icon
- Tap on the contact driver button
- Verify Mail app opens

One problem we ran into with this test involved a security feature in iOS 9 called App Transport Security that prevented our app from using the `mailto` URL scheme

to open the Mail app. To fix this issue, we added the `mailto` handler to our application's `LSApplicationQueriesSchemes` to register the `mailto` handler with the system.

TEST IF A USER CAN VIEW STATUS UPDATES ON THEIR ORDER

- Tap on order history icon
- Tap on order in question
- Verify that status update cells are visible
- Wait for driver to proceed with order
- Verify push notification appears
- Verify that status update cells have changed to reflect latest status

TEST IF A USER CAN GET PUSH NOTIFICATIONS ABOUT ORDER STATUS

- Wait for driver to accept order
- Verify notification
- Wait for driver to pick up order
- Verify notification
- Wait for driver to deliver order
- Verify notification

We ran into several problems with this test involving which users were receiving which push notifications. To fix this problem we tested all scenarios involving push notifications using the iOS user and driver apps, and then logged / observed which devices received push notifications to narrow down bugs.

TEST IF A USER CAN PLACE AN ORDER AND THAT THE ORDER IS IN PARSE

- Tap on a restaurant from the restaurant list
- Choose a time
- Type in order text
- Tap place order
- Verify that order is in the Parse DB

TEST IF A USER CAN CANCEL THEIR ORDER AND VERIFY IN PARSE

- Tap on order history in app
- Choose a non-cancelled order that hasn't been assigned a driver

- Tap the "Cancel Order" button
- Verify that the "cancelled" boolean in Parse has been set to true
- Verify that the order has been removed from all drivers' dashboards

TEST IF DRIVER CAN RECEIVE NEW ORDERS PLACED (IN APP AND IN PARSE)

- Wait for incoming order
- Verify that a new cell appears in the dashboard with accept / ignore options
- Tap on the accept option
- Verify that the order is retained in the driver's dashboard
- Verify that the order is Parse under the driver's order relation

TEST IF A USER CAN CHECK THEIR ORDER HISTORY ON THE WEB

- Verify that the user can log in successfully
- Verify that the order history is displaying properly
- Verify that the View Restaurants button displays restaurants and displays them properly

TEST IF USER CAN ACCESS THEIR ORDER HISTORY ON IOS

- Tap on order history in-app
- Verify that the list of orders matches the orders (for the logged in user) in the database

Known Issues

1. When launching the iOS app before logging in, you can view restaurants and attempt to place orders (doing so will cause a crash, since you are not logged in). This can be fixed by clicking the home button and re-opening the app, which will then show the login screen.
2. Before displaying the prompt for location permissions, a prompt appears that states that the user has denied location access. This prompt is correctly displayed if the user later denies location access, but the fact that it appears before the user is prompted for location is a bug.
3. There is no way to log out in both the user and developer iOS apps.

Web App

System Tests

TEST IF A USER CAN SEE ORDER HISTORY AND STATUS

- Test if a user can log in from http://nble.parseapp.com/
- Test if users can see their order history after they log in.
- Test if users can log out their order history page.

Problems Encountered

1. Null and wrong data from the back end caused problems on displaying order history.
2. Login form doesn't disappear automatically without refreshing the whole page after users log in.

Known Issues

1. Login form should disappear without refreshing the page after users log in.
2. **Users cannot place orders on the web.**