KFC Single Sign-On Portal

Login

Test Plan

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Revision History

Date	Version	Description
3/18/2019	1.0	First Draft

Table of Contents

1. **Scope**
   a. **Integration Testing**

   - LoginCheckUserExists(string email) - Checks to see if the given email exists in the database. The method returns true if the user is found and false if the user does not exist.
     - Test Cases
       - LoginCheckUserExists_Success_ReturnTrue()
         - The test checks to see if the function can successful return true if an existing user is passed through.
       - LoginCheckUserExists_Fail_ReturnTrue()
         - The test checks to see if the function fails to return true if a non-existing user is passed through.
       - LoginCheckUserExists_Success_ReturnFalse()
         - The test checks to see if the function can successful return false if a non-existing user is passed through.
       - LoginCheckUserExists_Fail_ReturnFalse()
         - The test checks to see if the function fails to return true if an existing user is passed through.

   - LoginCheckUserDisabled(string email) - Checks to see if the user is disabled
     - Test Cases
       - LoginCheckUserDisabled_Success_ReturnTrue()
         - The test checks to see if the function can successful return true if the user being checked is disabled.
       - LoginCheckUserDisabled_Fail_ReturnTrue()
         - The test checks to see if the function fails to return true if the user being checked is not disabled.
       - LoginCheckUserDisabled_Success_ReturnFalse()
         - The test checks to see if the function can successful return false if the user being checked is not disabled.
       - LoginCheckUserDisabled_Fail_ReturnFalse()
         - The test checks to see if the function fails to return false if the user being checked is disabled.

   - LoginCheckPassword(LoginRequest request) - Checks to see if the given password matches the password paired with the email provided
     - Test Cases
       - LoginCheckUserPassword_Success_ReturnTrue()

- ● The test checks to see if the function can successful return true the correct password is passed in.
    - ■ LoginCheckUserPassword_Fail_ReturnTrue()
        - ● The test checks to see if the function fails to return true if an incorrect password is passed in.
    - ■ LoginCheckUserPassword_Success_ReturnFalse()
        - ● The test checks to see if the function can successful return false is an incorrect password is passed in.
    - ■ LoginCheckUserPassword_Fail_ReturnFalse()
        - ● The test checks to see if the function fails to return false if the correct password is passed in.

- ● LoginAuthorized(string email) - Creates and returns a token to authenticate users
    - ○ Test Cases
    - ○ LoginAuthorized_Success_ReturnToken()
        - ■ The test checks to see if the function does not return a null and is able to return something

3. End to End Testing

In order to do frontend testing, puppeteer was used to test frontend input handling

a. Login Test Scenarios

    i. Login with a valid email and password

    ii. Inputting an Invalid email and being denied from logging in

    iii. Inputting an Invalid password and being denied from logging in

    iv. Inputting an invalid email more than three times that it disables the user

    v. Trying to logging in with blank fields

    vi. Trying to logging in with blank email section

    vii. Trying to logging in with blank password section