

Team Number: 015-06

Instructions

1. Create 1 document per team that describes how at least three features within your finished product will be tested.
2. The test plans should include specific test cases (user acceptance test cases) that describe the data and the user activity that will be executed in order to verify proper functionality of the feature.
3. The test plans should include a description of the test data that will be used to test the feature.
4. The test plans should include a description of the test environment that will be used to test the feature.
5. The test plans should include a description of the test results that will be used to test the feature.
6. The test plan should include information about the user acceptance testers. Please note that the deployed application can only be tested on the CU Boulder campus. So make sure to select your testers accordingly.

3 Features to be Tested

1. Login API route
2. Register API route
3. Transaction API route

Test Cases for Each Feature

- Login API route
 - When user clicks on login with correct credentials in username and password form field, the data from that specific user should appear (Name, meal plans)
 - Acceptance criteria:
 - User cannot submit a form with empty fields
 - Email
 - Password
 - Information from form should be stored in 'user' table
 - User cannot submit a form with invalid credentials
 - Must be valid CU login
- Register API route
 - When the user has not logged in before they will be asked to register with a email .colorado.edu and password that will be used from now on when asked to login
 - Acceptance criteria
 - User cannot submit a form with empty fields
 - Email

- Password
 - User must have a valid [identitykey].colorado.edu
 - User must not have special characters or numbers in first or last name
 - Transaction API route
 - When user is correctly logged in and has meals to buy or sell, the meal plan count from individual (whatever the user owns) to public (whatever users can buy/sell from/to) databases should be accounted for according to what the user chooses
 - Acceptance criteria
 - User cannot transfer meals if meals are not available in their account
 - User must have valid payment method if buying
 - E.g. Balance for credit/debit payment is checked before transaction happens

Test data

- **First Registration Test Case: {**

First Name: Sriyans
Last Name: Pattanaik
Email: srpa3716@colorado.edu
Username: sripat
Password: January\$26
}

First Test Case should be valid

- **Second Registration Test Case: {**

First Name: Kav1n
Last Name: Ramesh
Email: kara9783@coforado.edu
Username: wr0ng_us3rn4me
Password: H4Ppy-B1RTHday
}

Second Test Case should fail username, name

- **Third Registration Test Case: {**

First Name:
Last Name:
Email:
Username:
Password:
}

Third Test Case is empty case (should fail)

- **First Login Test Case: {**
Username: sripat
Password: January\$26
}
First Test Case is valid (should pass)
- **Second Login Test Case: {**
Username: wr0ng_us3rn4me
Password: H4Ppy-B1RTHday
}
Second Test Case has incorrect login (should fail)
- **Third Login Test Case: {**
Username:
Password:
}
Third Test Case is empty case (should fail)
- **First Transaction Test Case: {**
User.id = TRUE
Sell: 1
Buy: {N/A}
}
First Sell Test Case is valid test case
- **Second Transaction Test Case: {**
User.id = TRUE
Sell: 1000
Buy: {N/A}
}
Second Sell Test Case is invalid test case (invalid value compared to users meals)
- **Third Transaction Test Case: {**
User.id = FALSE
Sell: 1
Buy: {N/A}
}
Third Sell Test Case is invalid test case (not logged in)
- **Fourth Transaction Test Case: {**
User.id = TRUE
Sell: {N/A}
Buy: 1
}
Fourth Buy Test Case is valid test case
- **Fifth Transaction Test Case: {**
User.id = TRUE
Sell: {N/A}
Buy: 1000
}
Fifth Buy Test Case is invalid test (can't buy more than 1 meal at a time)

- **Sixth Transaction Test Case: {**
User.id = FALSE
Sell: {N/A}
Buy: 1
Sixth Buy Test Case is invalid test (user doesn't exist/)
}

Test environment

- Developer Environment: [localhost:3000]
 - Ubuntu image with Docker

Test results

- **First registration Test Case: Successfully registered**
- **Second registration Test Case: Error not colorado.edu email**
- **Third registration Test Case: Invalid**
- **First Login Test Case: Successful Login**
- **Second Login Test Case: Error invalid username**
- **Third Login Username: Error make sure you enter username and password**
- **First Transaction Test Case: Successfully Sold Meal**
- **Second Transaction Test Case: Error enter correct number of meals**
- **Third Transaction Test Case: Invalid user**
- **Fourth Transaction Test Case: Successfully Bought Meal**
- **Fifth Transaction Test Case: Error cannot buy more than 1 meal at a time**
- **Sixth Transaction Test Case: Invalid user**

User acceptance testers

- Everyone in group
 - Ian
 - Annie
 - Kevin
 - Sanjana
 - Sriyans
 - Vraj
- At least 3 CU freshmen