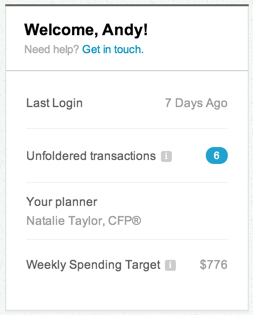
**Scenario**: You are given the task to test out a new area of the website that gives the user a snapshot of important information once they login. You are given both an image of the design and acceptance criteria / requirements. Please review them below:



**Acceptance Criteria / Requirements:**

- Users should see a welcome module in which they are presented with the following information:

* A welcome message which includes their first name
* Information about the last time they logged in
* Number of bank/credit card transactions they have which need to be manually categorized by the user (categories are normally assigned automatically via an algorithm. Example category might be rent, gas, restaurants, etc. In the case where it can’t automatically be categorized, it will be unfoldered).
  + Clicking on this link takes you to a transactions screen
* The name of your planner
* How much money you are allowed to spend every week

**Task 1** : Write a list of questions or uncertainties you may have that you would ask a designer or stakeholder concerning the image or acceptance criteria/requirements.

* What is the tech stack?
* What is the SLA for login page if applicable?
* What is the system architecture of this application?
* Suppose, User has logged into this page first time. What will be the expected result for “Last Login”?
* “Last Login” -> Are only days allowed? What if last login is more than 1 month?
* “Get in touch” is a link. What will happen if this link is clicked by user? Will a pop-up window appear or a new window will open in browser?
* If “Get in touch” link opens a new window in a browser. Will It be session based linked with User’s login details or It will be non-session based non-sensitive information?
* Is user allowed to see list of available categories? If Yes, then how can a User see those available categories?
* Assume, there are few categories already made available by backend algorithm. Will all those categories be listed on Welcome screen, or only those categories where transaction has occurred?

For example, Algorithm has created 4 categories,

1. Rent,

2. Gas,

3. Restaurants, &

4. Unfoldered

There is a scenario, where user has not made any transaction in Restaurants category and transactions are made only in Rent (1 transaction) and in Gas (2 transactions) categories.

How would Welcome page look like?

Rent – 1

Gas – 2

Restaurants – 0

Unfoldered – 0

Or,

Rent – 1

Gas – 2

* Is there any top level element if list of categories is more than 1?

For example, if there are 3 categories rent, gas and unfoldered. How the UI will look like?

**Categories:**

Rent – 1

Gas – 2

Unfoldered – 5

OR,

Rent – 1

Gas – 2

Unfoldered – 5

* What if there are no transactions occurred in that week? Will that row be removed?
* “Your planner” row has name of the person. Should we expect more information about planner like Designation, contact details etc?
* What is CFP next to Planner? Does it vary based on Planner’s attribute like designation etc. Is this a web link?
* What if there is no planner assigned yet? Will this row be blank or No Row?
* Is User allowed to change “Weekly Spending Target”? If Yes, Will there be link attached on “Weekly Spending Target”? Clicking on hyperlink can take the user to page where spending target can be changed, Or Can make the current page editable.
* In “Weekly Spending Target”, Is only USD currency format allowed? Do you allow decimal format also?
* There is **“i”** icon in “Unfoldered transaction” and “Weekly Spending Target”. I believe it is information about that particular row. Will It open a new page or pop-up window?
* Since, a user can see this page only after login successfully. How can user logout from current page? There is no option to logout.
* Do you allow to login to multiple browsers (same or different) using same Login credential at the same time?
* Is the above page supported in multiple browsers? Chrome/IE/Firefox
* Are all the calls to backend system RESTful based?
* What all type of communication protocols are involved? Is this HTTP or HTTPS based system?
* If it is RESTful web services, then what is the file format used for communication? Json/XML?
* How many categories are available to the algorithm? What is the strategy used by algorithm to create categories? Is the strategy based on user information, location information, etc.?
* What is the limit on length of any data displayed on Welcome screen? For example, User’s first name, Category name, Planner’s name?
* User has to login successfully to check the transaction details. What is the complexity of password? Is there any minimum length or special characters required?
* Is Welcome screen modifiable? How difficult it is to enhance Welcome screen for adding or deleting new rows?
* Should the Welcome screen cover entire browser screen or only fixed portion of it?
* What will be the change to Welcome screen if User changes the browser screen size?
* What is the indentation of data? Left, Central?

**Task 2** : Write a list of data or users in a certain state that you may need to properly test this.

* Test with Correct Login credential -> Username and password

Expected result ->User logged in with above id and password. Next page should be Welcome page.

* Test with Incorrect Login credential.

Expected result -> Login should fail with generic login error message.

* Test The Last login should always be in number of days.
* Test if user is making multiple transactions of same type, then number in that transaction category should increase.
* Test if user is making multiple transactions of different type, then number in corresponding transaction category should increase.
* Test the length of name,

Expected Result: should fit in screen

* Test that Login is successful after passing correct login credential in provided web service endpoint,

Expected Result: 200 OK Response code should be received with successful login message in valid format

* Test if hitting transactions https url should list the transaction for that category

Example: Url: https://weekly-expense.com/transactions/travel/

Expected Result: 200 OK Response code should be received with list of travel transactions in valid format

* Test Login page by opening multiple browsers at same time for same user.
* Test Login and welcome screen in difference supported browsers.
* Test above in multiple browsers using web automation framework.
* Test “Weekly Spending Target” always starts with currency sign and only numbers are allowed.
* Test If different currency format is allowed, then write test cases for all currencies.
* Test that if algorithm provides 10 different categories and all details cannot be fit on same screen. Expected result -> Make sure page is scrollable if all data cannot fit in current screen.
* Test If there is no transaction, then Test Expected result -> No categories with any transaction.
* Test if Clicking on “Get in touch”. Expected result -> It should provide contact details for support.
* Test if Clicking on “i” icon next to transactions. Expected result -> It should provide basic information about meaning of transaction.
* Test if Clicking on “i” icon next to “Weekly Spending Target”. Expected result -> It should provide basic information about meaning of Spending target.
* Test if submitting blank login page.

**Task 3** : Write a list of high-level test scenarios that you can think of based only on the design and acceptance criteria you are given. After you list them out, number them in terms of priority (1 - must test, 2 - should test, 3 - test only if there is time).

Example:

**3** - Verify that users who have not logged in for more than a year display the correct

**1** - Verify that clicking on the transactions link takes you to the transactions section

**Please consider attached Excel: high Level Scenario.**

**Task 4:** Imagine that you find a defect while testing the above. Write a sample defect report below:

**Please consider attached excel: Defect Report.**

**Task 5:** What scenarios would you consider valid for automation? Why?

1. We can automate all priority1 scenario which is written in excel sheet.
2. Using SoapUI tool or Postman we can test all API used in transactions:
   * we can automate https login url to check if correct HTTP Response code is received for correct and incorrect login credentials. We can capture response time for login.
   * Using Postman or SoapUI, we can automate Transaction category endpoint to check if correct HTTP Response code is received along with list of transactions in valid format.
3. Any test cases scenario which need to be executed multiple times we can automate using Selenium WebDriver like:
   * We can automate login step to check if user is able to see Welcome page after successful login.
   * we can automate Welcome Screen to check if all required elements are available.
   * We can capture the page load time.
   * We can test if all links are working correctly.