

Creating Test cases from User Story

Let's take an example user story and add a couple pieces of acceptance criteria. Then, we'll begin brainstorming for test cases.

Example User Story & Acceptance Criteria

As a recurring customer, I want to reorder items from my previous orders so I don't have to search for them each time.

Acceptance Criteria:

- Order history option is displayed on accounts page.
- Previously purchased items are displayed when clicking on order history.
- User may add previously ordered items to the cart.



Visualize the Workflow

Whether you have been testing this website (or app) for years or this is your very first time testing it, start with visualizing the workflow. What do you see when the user clicks "Buy Again"? What happens when they click "Add to cart"? If the user clicks the "Back" button, what is displayed?

Create the Happy Path

It is a good idea to start with the happy path, a route which should encounter no errors or exceptions. It can cover a large portion of the workflow, and if it doesn't work smoothly, the rest of your testing may be blocked. In this example, the happy path would be something like this:

- Click on my account link
- Click on buy again
- Verify that previously ordered items are displayed
- Add items to cart from the previously ordered list
- Complete purchase of previously ordered items

Standard Items

Another quick and easy test case in this example, would be to verify that standard objects are displayed on the new pages. Items such as headers, footers and standard menu options can easily be missed if you don't document them in a test case. For example, links to things such as terms and conditions might be broken when a new page is added. Create test cases for verifying these standard pieces. You may have tested them so many times that you just expect them to work, and don't consider them. A test case will save you from missing this.

Negative Testing

What are all the possible error cases that can happen? Here are some examples that come to mind with this user story:

- Item is out of stock. They ordered it previously, but now it's out of stock. Does this information display on the order history page? [See all buying options link]

- Price has changed. Is this reflected on the order history page.
- System issue occurs. What errors are displayed throughout the website when a system issue occurs? Create a test case to verify every error is displayed when it should be.

Boundaries

- How many items from order history should be displayed? If it's not in the acceptance criteria, this needs to be addressed with the BA or product owner. The developer may code this to display all items from a customer's history but what happens when a user has an order history of 5,000 items?
- On the other hand, what if the user has never placed an order? Should the Order history option be displayed in the accounts page? If so, what text is displayed when the user navigates to order history?

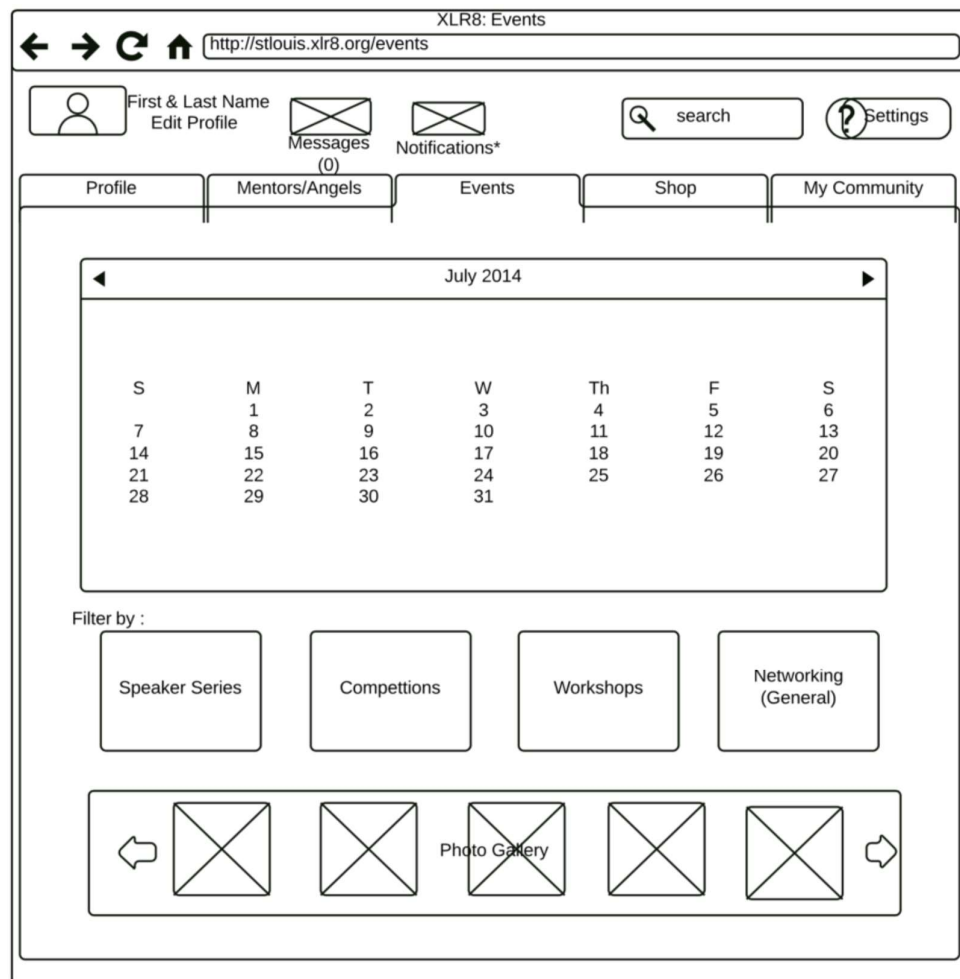
These are examples of testing for the maximum and minimum boundaries. After asking questions like these, the product owner or BA may decide they need to create more user stories to add sorting, filtering and pagination.

User Story Example

As a site visitor, I want to be able to view the monthly view of all the upcoming events in my area, so that I can connect to other members and attend the events that can help me or my start-up

Acceptance Criteria

- Event page should have a month view of the event calendar
- Ability to filter events by speakers, competitions, workshops, and networking
- The past event pictures should be in the sliding mode on the bottom of the events page.



Create the Happy Path

TC1

- Click on Events
- Select the Event you are interested in
- Click on enroll me

TC2

- Click on Events
- Filter by category
- Select the event you are interested in
- Click on enroll me

Negative Testing

What are all the possible error cases that can happen? Here are some examples that come to mind with this user story

- What if an event is full, will it be still displayed on the page? If yes what error will be displayed when user clicks on it
- System issue occurs. What errors are displayed throughout the website when a system issue occurs? Create a test case to verify every error is displayed when it should be

Boundaries

- Will a message be displayed for fast filling events?
- How many events from the past would be displayed in the gallery?
- How the events in filtered lists displayed? (Alphabetically, popularity or data?)