

User Stories

User Stories Guidelines

A well formulated user story is:

- Simple and precise (can be programmed, tested, and integrated within a single sprint)
- Useful (it should provide value to the final product)
- Focused on a specific user goal

User stories are often expressed as *persona + need + purpose*. It is then typically written in a simple sentence that follows the structure:

"As a [persona], I [want to ...], so that [...]"

Example:

"As a user, I want to be able to securely log in to the system so that my information can only be accessed by me."

Given/When/Then acceptance criteria template

To make life easier, here's a simple template you can use for writing acceptance criteria:

Given [context] when [a specific action is performed] then [a set of consequences should occur]

The feature represents the product increment. It should be written in this format: "As a **<who>**, I need to **<what>** so that **<why>**."

For example: "As an online customer, I need to search for products, so that I can find the ones I want to buy."

This short sentence alone conveys three key pieces of information:

- **Who cares about this feature?** (the shopper)
- **What do they want?** (to search products)
- **Why do they want it?** (so they can buy some)

Here's another example: "As a customer looking at a product, I need to be informed if a product is on sale, so that I am encouraged to purchase it."

For each scenario, we need the acceptance criteria defined. Use simple language in an active voice to state what the product needs to do. Each scenario is expected to have a "WHEN" and a "THEN" phrase. If the scenario is dependent on a specific pre-condition, then the scenario would need a "GIVEN" phrase too.

GIVEN <situational pre-condition>

WHEN <user action 1> and <user action 2> and ... <user action n>

THEN <product action 1> and <product action 2> and ... <product action n>

The earlier user story now would look as follows: "As a customer, I need to authenticate myself so that I can see my account details and past orders."

User Story	Acceptance Criteria
As a new user, I want to register by creating a username and password so that the system can remember me and my data.	Given that I am a new user, when I go to the sign up page and enter an username and password and click on sign up, then I am successfully registered and able to log in with my chosen credentials.
As a registered user, I want to log in with my username and password so that the system can authenticate me and I can trust it.	<ol style="list-style-type: none"> 1. Given that I am a registered user and logged out, if I go to the log in page and enter my username and password and click on Log in, then the data associated to my user should be accessible. 2. Given that I am a registered user and logged out, if I go to the log in page and enter my username but an incorrect password and click on Log in, then log in fails with an error message that specifies that the username or password was wrong.

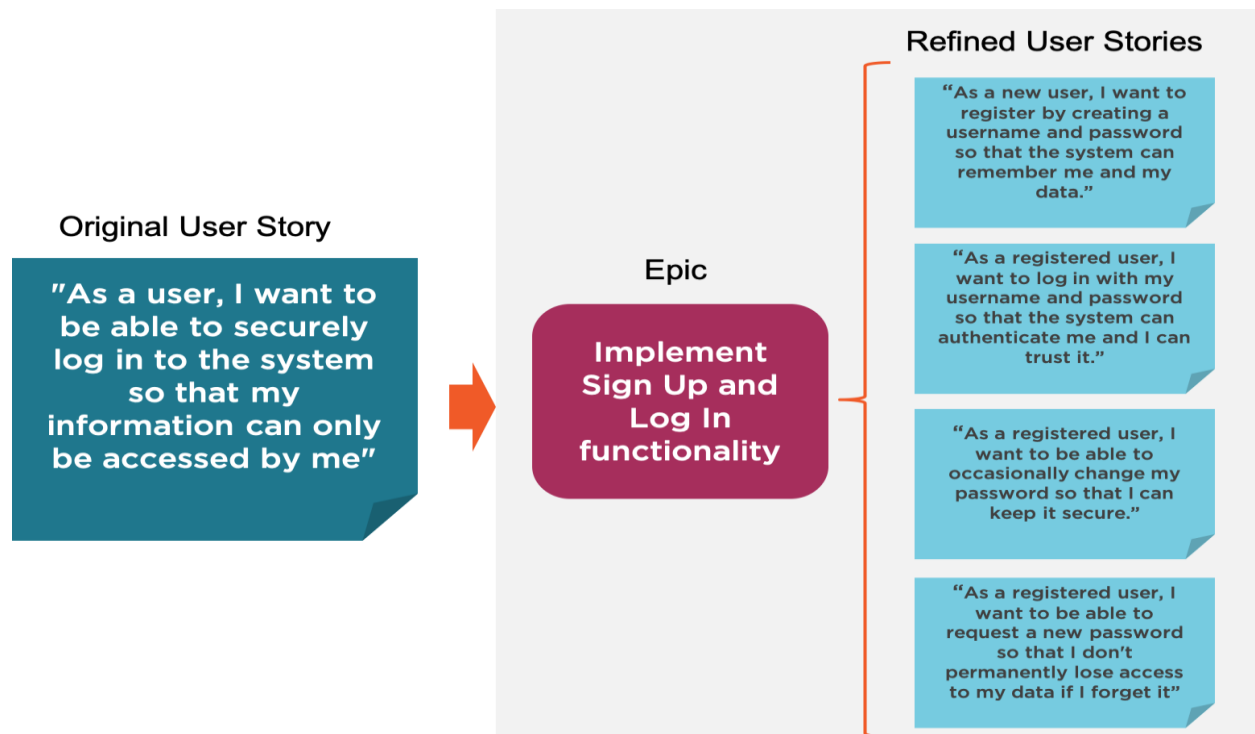
Sample examples of acceptance criteria

For the example user story:

"As a writer, I want to receive notifications when others add comments so that I am up-to-date."

Here are three examples of acceptance criteria for the above user story:

1. **Given** I don't have app open **when** my phone is locked **then** I should receive a banner notification.
2. **Given** I have the app open **when** I am writing on the doc **then** the bell icon should update to show unread notifications with count.
3. **Given** a user was mentioned in a comment using @ mention **when** the mentioned user is reading the comments **then** a flash message should show up on the same comment thread with a message notifying about the new comment.



User Type	Epic	User Story
Mobile User	Registration	As a user, I can register for the application by entering my email, password, and confirming my password
		As a user, I will receive a confirmation email once I have registered for the application
		As a user, I can register for the application through Facebook
		As a user, I can upload a profile photo and add my name to my account
	Login	As a user, I can log into the application by entering my email and password
		As a user, I can log into the application through Facebook, if I previously registered with it
		As a user, I can reset my password if I have forgotten my password
	My Account	As a user, I can view my personal information
		As a user, I can edit my profile photo
		As a user, I can edit my email. I will receive a confirmation email to my new email address.
		As a user, I can logout of the application from my account
Web User	Registration	As a user, I can register for the application by entering my email, password, and confirming my password
		As a user, I will receive a confirmation email once I have registered for the application
		As a user, I can register for the application through Facebook
		As a user, I can upload a profile photo and add my name to my account

User Story	Acceptance Criteria
As a shopper I want to view a list of products so I can select some to purchase	<ul style="list-style-type: none"> * See a thumbnail image for each product * Click to view details for product * Add to cart from detail page * Search for a product * View products by category
As a shopper I want to review my cart so I can make adjustments prior to checkout	<ul style="list-style-type: none"> * View quantities and items in the cart * See a total cost before tax and shipping * Remove items * Adjust quantity of items * Click to navigate to a product detail page
As a shopper I want to check out so I can get my products shipped to me	<ul style="list-style-type: none"> * Trigger checkout from any page, if there are items in the cart * Enter a shipping address * Enter a billing address * Enter a credit card number * Show total including tax and shipping before finalizing * Show confirmation message after finalizing * Verify payment via our payment processor
As a shopper I want to review my orders so I can see what I've purchased in the past	<ul style="list-style-type: none"> * View a list of open and completed orders * See the status of the order * Navigate to the details of the order * Include a tracking number if the order is shipped but not delivered * Contact customer service about an order from the details page
As an administrator I want to modify the list of products so I can adjust our offerings over time	<ul style="list-style-type: none"> * Add or remove products * Modify product images * Select a category for the product * Modify category taxonomy
As a fulfillment specialist I want to print a picking report so I can prepare products to ship	<ul style="list-style-type: none"> * Print a report for all open orders since the last time I printed the report * Sort orders by time submitted
As a fulfillment specialist I want to print packing labels so I can ship packages	<ul style="list-style-type: none"> * Print all packing labels for open orders since the last time I printed labels * Electronically integrate with shipper's system to generate tracking numbers * Update customer order with tracking number
As a finance employee I want to view analytics about orders and revenue so I can see how we're tracking against our goals	<ul style="list-style-type: none"> * View dashboard with total order count and total dollar amount * Adjust range with the options of Today, This Month, Last 30 Days, Last 90 Days, and This Year * See a chart comparing total to previous period

User Story 1: User registration

Size: 13

Priority: High

Component: User registration

Release: Release 1

Status: Upcoming

Attachment:

Acceptance criteria:

- User need to provide a username (e-mail), first and last name with no more than 256 symbols
- User need to provide a phone number with the format as +XX XXX XX XX XXX
- User need to input his date of birth
- Password can not be smaller than 8 symbols and maximum of 25 symbols with the following requirements:
 - Using a minimum of one Capital letter
 - Using a minimum of one small letter
 - Using minimum one Number
 - Using at least one Special symbols
- User has to agree to the Terms and Conditions by checkbox before being able to submit the input, if not he is not able to submit the data
- User is only able to submit and to open the page via secure encrypted URL by default
- After submit the user received an email with a unique confirmation link
- Password and Repeat password has to be while the user provides input with *
- User must provide input to the following:
 - Username/email
 - First and Last name
 - Date of birth
 - Password and
 - Repeat password

User Story 2: Activate Two-Factor Authentication (2FA)

Size: 8

Priority: High

Component: Security

Release: Release 2

Status: Upcoming

Acceptance criteria:

- To activate two-factor authentication user must provide a phone number
- If the user provided a phone number during registration there should be only a button to activate 2FA from user settings.
- If there is no user phone number provided during the registration process (as it is not a requirement) then the user will be asked to provide first phone number in format +XX XXX XX XX XXX.
- After the user provided the phone number SMS is going to be sent with unique verification six numbers, validated only for 10 minutes, after the 10 minutes the number is not valid.
- After activating the 2FA, every time when the user is logged-in with a username and password will receive a unique 6 digit number on his phone.

User Story 3: User registration – confirmation (functional format)

- The platform has to be able to validate user profile, via email or SMS.
- The platform is able to send SMS with 6 digit code to verify his identity via phone.
- Generated code has to be unique and not be able to use it after 10 minutes time frame.
- After successful verification of an SMS code (2FA) it has to be kept in the database for audit purposes, with username, phone number, timestamp, and IP address.
- Users should be able to receive SMS after 1 minute after clicking the activate 2FA function.

- If the user provided their phone number during the registration process, then he should be able from the user setting to activate 2FA without provided his phone number, if not then he has to be able to provide an input of his phone number.

User Story 4: Create a user login

Create a user login

Content: As a user, I need a user login to prevent other people from using the machine

Type:UserStory

Component: Users

Acceptance criteria:

- The program must allow data entry for a maximum of 2 users
- The user must send an SMS with the invoice number as a request to receive a customer number
- Two users cannot receive the same generated customer number in an SMS
- The generated code cannot be longer than 16 characters.
- After receiving a client number, the program must be able to set a password
- The password must contain at least 8 characters – uppercase and lowercase letters and numbers

User Story - Registration Screen - Username and Password creation

User Story:

As a customer, **I want** to create login credentials **So that** I can securely access my self-service online account

Acceptance Criteria:

1. Input data fields to enter - 1) Username 2) Password 3) Re-enter Password 4) Security question 5) Security answer
2. Username data field specifications - TBD for specifications
3. Password data field specifications - At least 7 characters, 1 number, 1 uppercase letter, 1 lowercase letter, one special character
4. Security questions drop-down - TBD for content
5. Security Answer data field specifications - at least 4 characters
6. All fields are required data fields - error alert should be shown if user clicks on Submit with any of the fields left blank " cannot be empty"
7. User should be prompted if username entered already exists in the system - error message
"Username taken - please enter another username"
8. Password criteria should be displayed to the user when user clicks inside the password data field.
9. Green check mark next to 'Password' data field should be displayed that indicates to the user after typing password that the entry meets criteria
10. Red cross mark next to 'Password' data field should be displayed that indicates to the user after typing password that the entry does not meet criteria
11. Validate that inputs in 'Password' and 'Re-enter Password' data fields match- Green check mark next to 'Re-enter' password data field should be displayed that indicates to the user after typing if passwords match
12. 'Password' and 'Re-enter Password' entries should be masked
13. Password entries will show the keystroke typed, and then after two seconds the entered character is masked.

- 14.If 'Password' entry does not match criteria specified and user hits Submit, show error alert "Password entry does not meet criteria"
- 15.If entries in 'Password' and 'Re-enter Password' do not match and user hits Submit, show error alert 'Password entries do not match'
- 16.After successful validation of all entered fields and on clicking Submit, show message indicating successful online account creation

Route user to Splash screen (Login screen)