

Test Plan

● Test Plan Identifier	Nu3_001.
● Introduction	The product being tested is nu3, a nutrition-focused with the aims to integrate diet, taste, and health, with a mission to bring intelligence and transparency to nutrition.
● Objectives	The objective is to validate the functionality of nu3's Login features, verify error handling mechanisms for invalid inputs, and evaluate the overall usability and functionality of the nu3 platform to enhance user experience and satisfaction.
● References	Epic, Users Story, Design Concept.
● Features to be Tested	Login functionalities

<ul style="list-style-type: none"> ● Features Not to be Tested 	Forget Password functionality
<ul style="list-style-type: none"> ● Test Levels 	System Testing Acceptance Testing
<ul style="list-style-type: none"> ● Test Types 	Functional Testing Usability Testing Regression Testing
<ul style="list-style-type: none"> ● Exit Criteria 	Testing is completed and there are no functional bugs. Remaining bugs has low severity.
<ul style="list-style-type: none"> ● Suspension Criteria 	Showstopper bug that is blocking testing
<ul style="list-style-type: none"> ● Test Deliverables 	Test cases Bugs Report Test Metrics Test Summary Report

● Test Environment	<p>Operating System: Macbook Pro</p> <p>Server : Staging</p> <p>Browser: Google Chrome, Firefox</p> <p>Network; Wi-Fi</p>
● Schedule	
● Responsibilities	<p>Test Lead/Manager:</p> <ul style="list-style-type: none"> ● Overall coordination and management of the testing process. ● Defining the test strategy and approach. ● Assigning tasks to team members. ● Reviewing test plans and test cases. <p>Quality Assurance (QA) Team:</p> <ul style="list-style-type: none"> ● Ensuring adherence to quality standards and processes. ● Providing guidance on testing best practices. ● Conducting audits or reviews to ensure compliance with quality standards.

<ul style="list-style-type: none">● Risks and Mitigations	<p>Risks</p> <p>Risk 1: Late Delivery of Feature Risk 2:Un-planned vacation Risk 3: Showstopper bug</p> <p>Mitigations</p> <p>Risk 1: Risk Acceptance Risk 2: Risk Monitoring Risk 3: Risk Acceptance</p>

Test Case Design 1

Test Case Title: As a user, I want to login with a valid credential

Test Case Identifier: Nu3_100.

Test Scenario: Customer Login.

Happy Path

Steps	Action	Data	Expected Result	Actual Result	Pass	Fail
1	Precondition: <ul style="list-style-type: none"> Existing account/Account successfully created. Starting Point: <ul style="list-style-type: none"> Login Screen. 	<ul style="list-style-type: none"> https://www.nu3.de/account/login 	<ul style="list-style-type: none"> Precondition should be fulfilled Form column title is "Anmelden". 			
2	(Verify)Cursor should reflect on the email input field.		Cursor should reflect on the username input field.			
3	Tap the password input field		Cursor should reflect in the password input field.			
4	(Verify)"E-Mail" place holder should be displayed in the email input field.		"E-Mail" place holder should be displayed in the email input field.			
5	"Password" place holder should be		"Password" place holder			

	displayed in the email input field.		should be displayed in the email input field.			
6	Enter a valid e-mail address in the e-mail input field.	email: alexprecy@yahoo.com	User should be able to enter a valid e-mail address.			
7	Tap the tab key and enter a valid password in the password input field.	testcase	<ul style="list-style-type: none"> • Cursor should jump to the password input field. • User should be able to input a valid password in the password input field. • Password should be masked as user type in the password input field. 			
8	Click the ANMELDEN button.		<ul style="list-style-type: none"> • ANMELDEN button should change to cyan color. • User should be successfully logged in and navigated to the User account screen. 			

Test Case Design 2

<p>Test Case Title: As a user, I want to be unable to login with an invalid credential.</p> <p>Test Case Identifier: Nu3_101.</p> <p>Test Scenario: Customer Login.</p> <p>Negative Testing</p>						
Steps	Action	Data	Expected Result	Actual Result	Pass	Fail
1	<p>Precondition:</p> <ul style="list-style-type: none">Existing account/Account successfully created. <p>Starting Point:</p> <ul style="list-style-type: none">Login Screen.		<ul style="list-style-type: none">Precondition should be fulfilledForm column title is "Anmelden".			

2	Enter a valid e-mail address in the e-mail input field.	email: alexprecy@yahoo.com	<ul style="list-style-type: none"> User should be able to enter a valid e-mail address. 			
3	Tap the tab key and enter invalid password in the password input field.	casecase	<ul style="list-style-type: none"> Cursor should jump to the password input field. User should be able to input a valid password in the password input field. Password should be masked as user type in the password input field. 			
4	Click the ANMELDEN button.		<ul style="list-style-type: none"> ANMELDEN button should change to cyan color. There should be a snack bar “ Die E-Mail-Adresse oder das Passwort isie E-Mail-Adresse oders Passwort ist falsch” Earlier inputted credential should be cleared from the input field. 			

Test Case Design 3

Test Case Title: As a user, I want to validate Login UI Design Concept.

Test Case Identifier: Nu3_103.

Test Scenario: UI Login design concept.

Steps	Action	Data	Expected Result	Actual Result	Pass	Fail
1	Precondition: User is on the Login screen. Starting Point: <ul style="list-style-type: none">Login Screen.	<ul style="list-style-type: none">design concept #link#	<ul style="list-style-type: none">Precondition should be fulfilledForm column title is “Anmelden”.UI correspond to design concept #link#			

Test Case Design 4

Test Case Title: As a user, I am unable to login using brute-force mechanism.

Test Case Identifier: Nu3_104. Test Scenario: Login Page Security Test.						
Steps	Action	Data	Expected Result	Actual Result	Pass	Fail
1	Precondition: <ul style="list-style-type: none"> User is on the Login screen. Starting Point: <ul style="list-style-type: none"> Login Screen. 	<ul style="list-style-type: none"> https://www.nu3.de/account/login 	<ul style="list-style-type: none"> Precondition should be fulfilled Form column title is "Anmelden". UI correspond to design concept #link# 			
2						

Test Case Design 5

Test Case Title: Verify the time taken to log in with a valid username and password. Test Case Identifier: Nu3_105. Test Scenario: Login Performance Test.						
Steps	Action	Data	Expected Result	Actual Result	Pass	Fail

1	Precondition: <ul style="list-style-type: none"> User is on the Login screen. Starting Point: <ul style="list-style-type: none"> Login Screen. 	<ul style="list-style-type: none"> https://www.nu3.de/account/login 	<ul style="list-style-type: none"> Precondition should be fulfilled 			
2						