

Accountill: Invoicing Application



Test Case Specification

EEC 623/CIS 636 Software Quality Assurance

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TEST CASE SPECIFICATION

This document lists all test cases about Accountill

Test Case Identifier	TC 001
Test Items/feature	User Management : Registering new users
Preconditions	User account/email doesn't exist
Test Steps	<p>the exact steps to carry out the test case, e.g.,</p> <ol style="list-style-type: none">1. Navigate to URL https://accountill.com/login2. Select and click "DON'T HAVE AN ACCOUNT? SIGN UP" in the main screen3. input "your first name" in "First Name" field4. input "your last name" in "Last Name" field5. input "email id" in "Email Address" field6. input a password in "Password" field7. Repeat the same password in Repeat Password field8. click Sign up
Output Specifications	a screen will load with an image showing a man carrying empty blue box and message "Nothing to display. Click the plus icon to start creating".
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 002
Test Items/feature	User Management : Registering new users
Preconditions	User has gmail account/email
Test Steps	<ol style="list-style-type: none">1. Navigate to URL https://accountill.com/login2. click "Continue with Google " in the main screen3. Another pop up will load with message "Choose an Account to continue with accountill.com"4. Select an existing gmail account

	5. Click “confirm”
Output Specifications	a screen will load with an image showing a man carrying empty blue box and message “Nothing to display. Click the plus icon to start creating”.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 003
Test Items/feature	User Management : Registering new users verify cancellation
Preconditions	User has gmail account/email
Test Steps	<ol style="list-style-type: none"> 1. Navigate to URL https://accountill.com/login 2. Select and click “Continue with Google ” in the main screen 3. Another pop up will load with message “Choose an Account to continue with accountill.com” 4. Select an existing gmail account 5. Click “cancel”
Output Specifications	Initial Login screen should appear
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 004
Test Items/feature	Authenticating users using JWT token and Google OAuth
Preconditions	user must have an existing account
Test Steps	<ol style="list-style-type: none"> 1. Navigate to URL https://accountill.com/login 2. Enter your existing email address and password 3. Click sign in button
Output Specifications	Home page will load with your details or a screen will load with an image showing a man carrying empty blue box and message “Nothing to display. Click the plus icon to start creating”.

Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 005
Test Items/feature	User Management : Managing user accounts and profiles.
Preconditions	user logged in
Test Steps	<ol style="list-style-type: none"> 1. Expand left side menu bar 2. At the bottom left click “settings” icon 3. Profile Settings screen will load 4. Click on “Edit Profile” button 5. Try uploading a logo 6. Complete al mandatory fields Phone number , Business name , Contact Address , Payment Details/notes 7. Click update settings
Output Specifications	Profile Settings screen will load with all your entered details and image in logo
Inter-case Dependencies	TC 004
Test Result	

Test Case Identifier	TC 006
Test Items/feature	User Management : Resetting user passwords
Preconditions	User has and preexisting account
Test Steps	<ol style="list-style-type: none"> 1. Navigate to URL https://accountill.com/login 2. Click on “Forgotten password” link 3. input your email address 4. click “submit” button
Output Specifications	Screen will load with message “A password reset link has been sent to your email. Please follow the link to reset your password” with two button “back to home” & “Resend Link”

Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 007
Test Items/feature	User Management : Resetting user passwords
Preconditions	User has requested to reset the password and clicks submit button
Test Steps	1. click “back to home”
Output Specifications	Home page loads
Inter-case Dependencies	TC 006
Test Result	

Test Case Identifier	TC 008
Test Items/feature	User Management : Resetting user passwords
Preconditions	User has requested to reset the password and clicks submit button
Test Steps	1. “Resend Link”
Output Specifications	Password reset link should come on entered email account
Inter-case Dependencies	TC 006
Test Result	

Test Case Identifier	TC 009
Test Items/feature	Customers Management: Adding new customers once logged in (No Customer scenario)
Preconditions	User logged in and have no customers added

Test Steps	<ol style="list-style-type: none"> 1. Expand left side menu bar 2. Choose fourth option from the menu “Customers”
Output Specifications	a screen will load with message “No customers yet. Click the plus icon to add customer”.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 010
Test Items/feature	Customers Management: Adding new customers once logged in (Verifying “+” button)
Preconditions	User must be logged in
Test Steps	<ol style="list-style-type: none"> 1. Choose the “Customers” option from the menu. 2. Click on blue color “+” icon located on the bottom right of the screen.
Output Specifications	Two more icons appear with “New Customer” & “New Invoice”
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 011
Test Items/feature	Customers Management: Adding new customers
Preconditions	User logged in, navigates to “customer” screen and click on “+” button
Test Steps	<ol style="list-style-type: none"> 1. User selects the “New Customer”. 2. New Customer pop up window appears. 3. Input name, email, contact, Address 4. Click “Save Customer”
Output Specifications	One grid appears on the screen with newly added customer details.

Inter-case Dependencies	TC 010
Test Result	

Test Case Identifier	TC 012
Test Items/feature	Invoice Management: Creating New Invoices - (Adding the new customer details in the invoice)
Preconditions	Required customer details doesn't exist
Test Steps	<ol style="list-style-type: none"> 1. Go to Create in the menu bar. 2. Firstly, a page will be loaded with invoice form on it. 3. Click on the New Customer tab. 4. Enter Name, Email, Phone, and Address.
Output Specifications	A dialogue box will pop up asking for the details.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 013
Test Items/feature	Invoice Management: Creating New Invoices
Preconditions	Already saved customer details
Test Steps	<ol style="list-style-type: none"> 1. Go to create in the menu bar. 2. After the page loads, hoover over the customer tab and a drop-down list with saved customers will be visible.
Output Specifications	The details saved of the customer would be visible on the invoice.
Inter-case Dependencies	TC 011
Test Result	

Test Case Identifier	TC 014
Test Items/feature	Invoice Management: Editing existing invoices.

Preconditions	Previously entered quantity, price, discount, Tax Rates, Due dates and currency.
Test Steps	<ol style="list-style-type: none"> 1. Go to Invoices in the menu bar. 2. Select Invoice option, a list of existing invoices appears. 3. Click on the edit logo on the corresponding invoice you want to edit. 4. The selected invoice loads and you could change the numerical accordingly.
Output Specifications	Create invoice page appears.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 015
Test Items/feature	Invoice Management: Adding items to invoices.
Preconditions	A invoice with customer details must be created.
Test Steps	<ol style="list-style-type: none"> 1. As we log into Accountill, on the left-hand side we would find the toolbar. 2. Select Invoice option, a list of existing invoices appears. 3. Click on the edit logo on the corresponding invoice you want to edit. 4. Under the items, click on the '+' sign to add any items to the invoice
Output Specifications	A new line appears where the customer must enter the details of the item.
Inter-case Dependencies	TC 012, TC 013
Test Result	

Test Case Identifier	TC 016
Test Items/feature	Invoice Management: Deleting items from invoices.
Preconditions	Existing items in the list

Test Steps	<ol style="list-style-type: none"> 1. Goto o Invoice in the menu bar. 2. Click on the edit logo on the corresponding invoice you want to edit. 3. In the item table, the right most part is the action column. In that by clicking the delete icon, we can delete the corresponding item we wish to.
Output Specifications	Once clicking the delete icon the row disappears.
Inter-case Dependencies	TC 015
Test Result	

Test Case Identifier	TC 017
Test Items/feature	Invoice Management: Adding and Displaying Notes
Preconditions	An existing created invoice
Test Steps	<ol style="list-style-type: none"> 1. Goto o Invoice in the menu bar. 2. Click on the edit logo on the corresponding invoice you want to edit. 3. When we move to the bottom of the page, a section is present where one can add notes regarding the invoice and payment info.
Output Specifications	A note would be generated at the end of the invoice.
Inter-case Dependencies	TC 012
Test Result	

Test Case Identifier	TC 018
Test Items/feature	Email and PDF Invoice Generation: Generating the Invoice
Preconditions	User must have a prefilled invoice
Test Steps	<ol style="list-style-type: none"> 1. Once the invoice is filled with all the details at the bottom of the page click on “ Save and continue” button.

Output Specifications	A new page with invoices and additional action button appears
Inter-case Dependencies	TC 012, TC 013
Test Result	

Test Case Identifier	TC 019
Test Items/feature	Email and PDF Invoice Generation: Sending Invoice via Email to customer
Preconditions	The invoice must be created and saved by the user.
Test Steps	<ol style="list-style-type: none"> 1. Once the invoice is filled with all the details at the bottom of the page click on “ Save and continue” button. 2. On the top of the page, the user would find Send to Customer button where the email would sent to customer directly.
Output Specifications	An email would be sent to the customer directly.
Inter-case Dependencies	TC 018
Test Result	

Test Case Identifier	TC 020
Test Items/feature	Email and PDF Invoice Generation: Downloading Invoice in PDF
Preconditions	The invoice must be created and saved by the user.
Test Steps	<ol style="list-style-type: none"> 1. Once the invoice is filled with all the details at the bottom of the page click on “ Save and continue” button. 2. On the top of the page, the user would find Download PDF and the invoice would be downloaded automatically.
Output Specifications	The invoice in the PDF format would be generated.
Inter-case Dependencies	TC 018
Test Result	

Test Case Identifier	TC 021
Test Items/feature	Automatically changing invoice status as “Partial” when a partial payment is recorded
Preconditions	The invoice must be created and saved by the user and the status of the payment should be unpaid
Test Steps	<ol style="list-style-type: none"> 1. Goto Invoices. 2. Select one existing invoice with status “Unpaid”. 3. Click on the “Record Payment” and fill the popup as below: 4. Date - any, Paid Amount - less than due amount, Payment Method - any, and Notes (optional) - any 5. Click on “Save Record” and go back to invoices to check the status of that invoice
Output Specifications	The invoice status will be changed to “Partial” from “Unpaid”
Inter-case Dependencies	TC 018
Test Result	

Test Case Identifier	TC 022
Test Items/feature	Automatically changing invoice status to “Paid” from “Partial” when the full payment is recorded
Preconditions	An invoice with the payment status as partial
Test Steps	<ol style="list-style-type: none"> 1. Goto Invoices. 2. Select one existing invoice with status “Partial”. 3. Click on the “Record Payment” and fill the popup as below: 4. Date – any, Paid Amount – auto fill remaining balance, Payment Method – any, and Notes (optional) – any. 5. Click on “Save Record” and go back to invoices to check the status of that invoice
Output Specifications	The invoice status will be changed to “Paid” from “Partial”

Inter-case Dependencies	TC 021
Test Result	

Test Case Identifier	TC 023
Test Items/feature	Automatically changing invoice status to “Paid” from “Unpaid” when the full payment is recorded in a single go
Preconditions	An invoice with the payment status as unpaid
Test Steps	<ol style="list-style-type: none"> 1. Goto Invoices. 2. Select one existing invoice with status “Unpaid”. 3. Click on the “Record Payment” and fill the popup as below: 4. Date – any, Paid Amount – full amount, Payment Method – any, and Notes (optional) – any. 5. Click on “Save Record” and go back to invoices to check the status of that invoice
Output Specifications	The invoice status will be changed to “Paid” from “Unpaid”
Inter-case Dependencies	TC 018
Test Result	

Test Case Identifier	TC 024
Test Items/feature	Displaying payment history and invoice status
Preconditions	Invoice with payment history i.e., payment status should be Partial/Paid
Test Steps	<ol style="list-style-type: none"> 1. Goto Invoices. 2. Select one existing invoice with status “Paid” or Partial. 3. Click on “Payment History” and this will expand the accordion.

Output Specifications	All the payments towards that invoice will be shown with the date, paid amount and the payment method.
Inter-case Dependencies	TC 022, TC 023
Test Result	

Test Case Identifier	TC 025
Test Items/feature	Displaying recent payments
Preconditions	Need paid invoices available in the system
Test Steps	<ol style="list-style-type: none"> 1. Goto Dashboard. 2. Scroll to the Recent Payments section.
Output Specifications	A list of recent payments towards the available invoice should be shown.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 026
Test Items/feature	Generating financial reports.
Preconditions	<ol style="list-style-type: none"> 1. Existing invoice with at least 1 of the status each: Paid, Partial, Unpaid
Test Steps	<ol style="list-style-type: none"> 1. Login to the system and go to invoices. 2. Calculate the below items manually: Received Payments, Pending Amount, Total Amount, Total number of invoices, Paid, Partially Paid, Unpaid invoices and the overdue invoices. 3. Go to Dashboard and check out the data insights shown in the cards.
Output Specifications	Verify the manually calculated numbers with the shown data in the dashboard.
Inter-case Dependencies	
Test Result	

Test Case Identifier	TC 027
Test Items/feature	Generating financial report charts
Preconditions	Existing invoice with at least 1 of the status each: Paid, Partial, Unpaid
Test Steps	1. Login to the system and checkout the dashboard section below the cards.
Output Specifications	A bar chart should be shown with the maximum & minimum paid invoice value over time.
Inter-case Dependencies	
Test Result	