

ID	E	Input data	Results
CP1	E1	User: david Password: 1235 Data that does not exist in the system	The user tries to log in to the system, but the system gives a message that the user and password are incorrect.
CP2	E2	User: pp Password: 55 User doesn't exist in the system	The user tries to log in to the system, but the system gives a message that the user and password are incorrect.
CP3	E3	User: Stefy Password: 1234 Valid and existing data in the systems.	By entering their username and password, the user can directly enter the main menu of the kit.
CP4	E4	User: Eduardo Password: 1234 Valid and existing data in the systems.	By entering their username and password, the user can directly enter the main menu of the kit.
CP5	E5	User: García Password: 1234 If the user types Garcia, the system will not let him enter because his username is incorrect.	The user tries to log in to the system, but the system gives a message that the user and password are incorrect.
CP6	E6	Inventory menu Product: validations Cost: jkl invalid parameter, only numbers are accepted	If the user types a letter, the system will display a message that only numbers are allowed.
CP7	E7	Inventory menu Product: validations Cost: 2,50 Valid parameter, only numbers are accepted	If the user types a number, the system will display a message that only numbers are allowed.
CP8	E8	Inventory menu Product Description: 50 Invalid parameter, only letters are accepted	If the user types a number in description, the system display a message that only letters can be allowed.
CP9	E9	Inventory menu Product Name: Chocolate Valid parameter, only letters are accepted	If the user types a letter in the name of the product , the system don't display a message of any error of typing.
CP10	E10	Discounts Add discount 256854 Invalid parameter	In this part only letters and must be type around 5 words,so the system display a message of invalid parameter please enter a letter.

The screenshot displays an IDE with the following components:

- Project Explorer:** Shows a project named 'IvaTest' with dependencies, test dependencies, and project files.
- Source Editor:** Contains the Java code for the `IvaTest` class, which includes methods like `testCalculaIva()` and `testCalculaTotalConIva()`.
- Test Results Window:** Shows the results of the test execution. It indicates that 47 tests passed and 13 tests failed, with a total of 78.33% success rate. The failed tests are listed on the right side of the window.

CP11	E11	Discounts Add discount Children's Day Invalid parameter	Only letters can be typing no special characters.
CP12	E12	Discounts Add discount Old year Valid parameter	If the user wants to add a new discounts the system can add the product.
CP13	E13	Discounts Quantity of discount: 8 Invalid parameter	The system only allows entering values from 2 to 7
CP14	E14	Discounts Quantity of discount: 1 Invalid parameter	Values less than 2 in the discount are not valid and are not applied.
CP15	E15	Generate bill Send a bill to email Dates: 1754708798 Valid and existing data in the system	The system searches for all IDs that begin with 17 and that are validated.
CP16	E16	Inventory menu Product Provider: Nestle Valid parameter, only letters are accepted.	If the user types a letter or maybe words in description the system don't display a message of error.
CP17	E17	Inventory menu Product Description: whithe chocolate Valid parameter, only letters are accepted	If the user types a letter or maybe words in description the system don't display a message of error.
CP18	E18	User: mateo Password: 5825 Password is incorrect	If the user types a incorrect password the system show them a message that the paswword is incorrect and try to enter again.
CP19	E19	Discounts Quantity of discount: 3,6 Valid parameter	Only can insert values to 2 to 7 to manage the discounts system.
CP20	E20	InventoryMenu Product Add product and validations for each one Data exist in the system	It is expected that a product can be added, with certain pre-established characteristics.
CP21	E21	InventoryMenu Category Add and delete categorie Data exist in the system	In the program it must be possible to both add and delete product categories.
CP22	E22	InventoryMenu Stock See Stock	Once the products have been entered, those products must be stored in stock to be sold.

The image displays a series of test results and two screenshots of the VCSK application interface.

**Test Results:**

- testCalcularImpuestoRenta5 Failed: expected: <0.0> but was: <-106.10000000000000>
- testCalcularImpuestoRenta6 Failed: expected: <0.0> but was: <-46.1>
- testCalcularImpuestoRenta7 passed (0,002 s)
- testCalcularImpuestoRenta8 passed (0,001 s)
- testCalcularImpuestoRenta9 passed (0,003 s)
- testCalcularImpuestoRenta10 Failed: expected: <5860.9> but was: <4837.75>
- testCalcularImpuestoRenta11 Failed: expected: <12910.9> but was: <49279.4>
- testCalcularImpuestoRenta12 Failed: expected: <9860.9> but was: <11610.9>
- testCalcularImpuestoRenta13 Failed: expected: <12910.9> but was: <49279.4>
- testCalcularImpuestoRenta14 Failed: expected: <9860.9> but was: <11610.9>
- testCalcularImpuestoRenta15 Failed: expected: <7110.9> but was: <7337.75>
- testCalcularImpuestoRenta16 Failed: expected: <3610.9> but was: <2823.4>
- testCalcularImpuestoRenta17 Failed: expected: <15010.9> but was: <52979.4>
- testCalcularImpuestoRenta18 Failed: expected: <2360.9> but was: <1279.8>
- testCalcularImpuestoRenta19 Failed: expected: <5860.9> but was: <4837.75>

**Application Interface:**

The application interface is shown in two states:

- Inicio de Sesión (Login):** A screen with a blue header, a user icon, and input fields for "Usuario" and "Contraseña". Buttons for "OK" and "Cancelar" are at the bottom.
- VCSK - Punto de Venta - Inventario - Financiero - Descuentos - Sesión:** A screen with a blue header, the VCSK logo, and an illustration of a person shopping. The text "By Honey Badgers" is at the bottom.

CP23	E23	FinancerMenu Bills History bills	The program should display the history of stored invoices. If there are no invoices, it should display a message indicating that there are no invoices available.
CP24	E24	FinancerMenu Customers See all customers Data exist in the system	The program should display the history of stored invoices. If there are no invoices, it should display a message indicating that there are no invoices available.
CP25	E25	FinancerMenu Customers Create customers	should create a new client with the information provided and display a message indicating that the client has been created successfully.
CP26	E26	FinancerMenu Financer report	A financial report is expected to be generated and saved to the output location. It should then display a message indicating that the report has been saved. Selecting "Go Back" should return you to the Financer menu.
CP27	E27	FinancerMenu Update Taxes	You should get the updated VAT rate through web scrapping and update the VAT rate in the tax file.
CP28	E28	Select the "Update Taxes" option in the Financer menu Error	The program should display a message indicating that the option is invalid and prompt the user to try again.
CP29	E29	Market Menu New Sell Add product	Should add the product to cart.
CP30	E30	Market Menu Back	The program should display the message "Leaving to the main menu..." and return to the main menu.
CP31	E31	Market Menu New Sell Delete product	The product should be deleted and disappear from the cart
CP32	E32	Market Menu New Sell Next	The program should display the message "You must add at least one product."
CP33	E33	Market Menu New Sell Customer Data	The program should display the information for the selected customer and go to the "Transaction Definition" menu
CP34	E34	Transaction definition Transaction	The program should display the message "You selected Transaction" and complete the transaction with the full amount.
CP35	E35	If Select option "Print Summary" after completing the sale.	A summary of the sale should print, calculate discounts, taxes and display the message "Sending the bill to the customer email..." if you choose to send the invoice by mail.
CP36	E36	Try to log in with the console disabled	The application should prompt for password entry as normal.
CP37	E37	Trying to save a list of valid in-stock products to a JSON file	The JSON file should be created and store the list of products in stock without errors.

The image shows a web application interface with a login screen titled "Iniciar Sesión". The login form has fields for "Usuario" (username) and "Contraseña" (password), both highlighted with red boxes. Below the fields are "Ok" and "Cancelar" buttons. To the left of the login screen, a Google Sheets spreadsheet is visible, containing test data for user login attempts.

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2	CP1 E1	Data that does not exist in the system	
3		User: yo Password: 55	The user tries to log in to the system, but the system gives a message that the u and password are incorrect.
4	CP2 E2	User doesn't exist in the system	
5		User: Stely Password: 1234	By entering their username and password, the user can directly enter the main menu
6	CP3 E3	Valid and existing data in the system.	
7		User: Eduardo Password: 1234	By entering their username and password, the user can directly enter the main menu
8	CP4 E4	Valid and existing data in the system.	
9		User: Garcia Password: 1234	The user tries to log in to the system, but the system gives a message that the u and password are incorrect.
10	CP5 E5	If the user types Garcia, the system will not let her enter because his username is incorrect	
11		Inventory menu Product: validations Cant 96	
12		Invalid parameters, only numbers are	If the user types a letter, the system will de

CP38	E38	Scrapper update iva validation	The VAT value must be in the valid range and be a positive number.				
CP39	E39	Try to update the VAT value with a null or empty URL.	The method must properly handle null or empty URLs and must print a message indicating that the URL is invalid.				
CP40	E40	Valid username and password that exist in the users file.	The authentication should be successful (returns true), and the program works without any errors.				