

"THE SYSTEM PROCESSES THE PAYMENT AND SENDS A CONFIRMATION EMAIL TO THE CUSTOMER"

SRS



Several laptops connected to a globe

Description automatically generated

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**ACTOR**

* **CUSTOMER: The customer enters their payment information.**
* **SYSTEM:** **The system processes the payment, and the system sends a confirmation email to the customer.**

# **USE CASE**

Process Payment and Send Confirmation Email

* The customer has added items to their cart and proceeded to checkout.
* The customer has selected their preferred payment method.
* The customer has entered their valid payment information.

# **Quality Attributes**

* Performance: The payment processing and email delivery should be completed within a reasonable timeframe to minimize customer wait times.
* Security: Customer payment information must be protected from unauthorized access and ensure the confidentiality, integrity, and availability of data.
* Reliability: The payment processing and email delivery should be reliable and consistently function without errors or outages.
* Usability: The payment process should be easy to understand and follow for customers with varying levels of technical expertise.
* Accuracy: The payment amount and customer information should be accurately processed and reflected in the confirmation email.

# **Constraints**

* Payment gateway integration: The system must be integrated with a secure payment gateway to process customer payments.
* Email server configuration: The system must be configured to connect to an email server to send confirmation emails.
* Data validation: The system must validate customer payment information and ensure it is correct and complete before processing the payment.
* Email content: The confirmation email should include the customer's name, order details, payment information, and any relevant instructions or reminders.
* Error handling: The system must handle errors gracefully and provide informative messages to customers in case of payment failures or email delivery issues.