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Reg# FA21-BSE-015

BSE-6A

Scenario: Login - <https://next-ecommerce-store-cyan.vercel.app/auth/signin>

Create New Account

Email

Password

SIGN IN

Sign up

Forget password

✗ Email is required

✗ Password is required

Test Cases for Email Field

Test Case ID	Test Case Description	Input Data	Expected Outcome	Actual Outcome	Status
TC_E1	Empty Email Field	"	Message: Email is required	Message: Email is required	Pass
TC_E2	Valid Email Format	'user@example.com'	Email accepted	Email accepted	Pass
TC_E3	Missing '@' in email	'userexample.com'	Message: Invalid email format	Message: Invalid email format	Pass

TC_E4	Missing domain in email	'user@'	Message: Invalid email format	Message: Invalid email format	Pass
TC_E5	Email with spaces	' user@example.com '	Message: Invalid email format	Message: Invalid email format	Pass
TC_E6	Email with two '@' symbols	'user@ @example.com'	Message: Invalid email format	Message: Invalid email format	Pass
TC_E7	Email with special characters	'user!#@\$%*()+=~`{ }[]/?	<>^%\$#@example.com'	Message: Invalid email format	Message: Invalid email format
TC_E8	Subdomain Email Format	'user@mail.example.com'	Email accepted	Email accepted	Pass
TC_E9	Email with long domain	'user@example.co.uk'	Email accepted	Email accepted	Pass

Test Cases for Password Field

Test Case ID	Description	Input Data	Expected Outcome	Actual Outcome	Status
TC_P01	Empty Password Field	"	Message: Password is required	Message: Password is required	Pass
TC_P02	Valid Password Format	'Passw0rd!'	Password accepted	Password accepted	Pass
TC_P03	Password without symbol	'Password1'	Message: Password must include at least one symbol	Password accepted	Fail
TC_P04	Password without number	'Password!'	Message: Password must include at least one number	Password	Fail
TC_P05	Password without capital letter	'password1!'	Message: Password must include at least one capital alphabet	Password accepted	Fail
TC_P06	Password with less than 8 chars	'Pass!1'	Message: Password must be at least 8 characters	Message: Password must be at least 8 characters	Pass
TC_P07	Password with spaces	'Pass w0rd!'	Message: Invalid password format	Password accepted	Fail
TC_P08	Password with all requirements met	'ValidP@ss1'	Password accepted	Password accepted	Pass

TC_P09	Password with extended characters	'P@\$w0rdExtended123'	Password accepted	Password accepted	Pass
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Additional Test Cases for Overall Login Behavior

Test Case ID	Description	Email Input	Password Input	Expected Outcome	Actual Outcome	Status
TC_L01	Valid Login Credentials	user@example.com	Passw0rd!	Access granted	Access granted	Pass
TC_L02	Invalid Email and Password	user	pass	Invalid email and password format	Invalid email format	Pass
TC_L03	Valid Email and Invalid Password	user@example.com	pass	Invalid password format	Password must be at least 8 characters	Pass
TC_L04	Invalid Email and Valid Password	user	Passw0rd!	Invalid email format	Invalid email format	Pass
TC_L05	Login with Empty Fields	(empty)	(empty)	Email and password are required	Email and password are required	Pass
TC_L06	Email without TLD	user@example	Passw0rd!	Invalid email format	Invalid email format	Pass
TC_L07	Password with only numbers	user@example.com	12345678	Password must include a symbol and a capital letter	Password accepted	Fail
TC_L08	Password with only letters	user@example.com	Password	Password must include a symbol and a number	Password accepted	Fail
TC_L09	Password with only symbols	user@example.com	!@#%\$%^&*	Password must include a number and a capital letter	Password accepted	Fail
TC_L10	Email with incorrect TLD	user@example.c	Passw0rd!	Invalid email format	Invalid email format	Pass
TC_L11	Excessive Long Email	user@thisisaverylongdomainname.com	Passw0rd!	Invalid email format	Invalid email format	Pass
TC_L12	Excessive Long Password	user@example.com	P@ssw0rdThatIsWayTooLongToBeUsefulSoItShouldNotBeUsedBecauseTheUserMightNotBeAbleToRememberItHaha	Password accepted	Password accepted	Fail

