

Test Case Document

Sign Up & Sign In

TC#	Title	Preconditions	Steps	Expected Results
1.1P	Sign Up via Email (Valid)	N/A	1. Navigate to Sign Up page. 2. Enter First Name, Last Name. 3. Enter a valid email (e.g., <u>user@example.com</u>). 4. Enter a strong password (≥8 chars, uppercase, lowercase, digit, special char). 5. Click "Submit".	<ul style="list-style-type: none">• Account created successfully.• Verification email is sent.
1.2P	Sign Up via Facebook/Google (Valid)	Have a valid FB/Google account	1. Navigate to Sign Up page. 2. Select "Sign Up with Facebook" or "Sign Up with Google". 3. Approve permissions on the pop-up.	<ul style="list-style-type: none">• User is signed up via third party.• User profile fetch successful.
1.3N	Sign Up with Invalid Email	N/A	1. Navigate to Sign Up page. 2. Enter invalid email format (e.g., user@com). 3. Enter a strong password. 4. Click "Submit".	<ul style="list-style-type: none">• Error: "Invalid email format" displayed.• Sign-up not completed.
1.4N	Sign Up with Weak Password	N/A	1. Navigate to Sign Up page. 2. Enter valid email. 3. Enter a weak password (missing uppercase/lowercase/digit/special char). 4. Click "Submit".	<ul style="list-style-type: none">• Error: "Password does not meet complexity requirement."
1.5N	Sign Up with Duplicate Email	Email already registered	1. Navigate to Sign Up page. 2. Enter an email that is already in use. 3. Fill other fields correctly. 4. Click "Submit".	<ul style="list-style-type: none">• Error: "This email is already registered."
1.6P	Artist Registration with Extended Fields	N/A	1. Navigate to Home Page, click "Be an Artist". 2. Fill basic fields + phone, org, designation, experience, awards, address, etc. 3. Upload resume/certificates (optional). 4. Click Submit.	<ul style="list-style-type: none">• Artist account created.• Confirmation/verification email sent.
1.7N	Missing Mandatory Fields in Artist Registration	N/A	1. Navigate to "Be an Artist". 2. Leave required fields (e.g., email/password) empty. 3. Click "Submit".	<ul style="list-style-type: none">• Error: "Please fill required fields."
2.1P	Sign In (Valid Credentials)	User account exists (Artist, Critic, or Customer)	1. Navigate to Sign In. 2. Enter registered email. 3. Enter correct password. 4. Click "Login".	<ul style="list-style-type: none">• User is redirected to the respective portal/dashboard.
2.2N	Sign In (Invalid Credentials)	User account exists	1. Navigate to Sign In. 2. Enter invalid password. 3. Click "Login".	<ul style="list-style-type: none">• Error: "Invalid credentials" shown.

2.3N	Sign In (Unregistered Email)	Email not in database	1. Navigate to Sign In. 2. Enter email that isn't registered. 3. Click "Login".	• Error: "No account found with this email."
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Artist Portal — Upload & Manage Artworks

TC#	Title	Preconditions	Steps	Expected Results
3.1P	Upload Artwork with Valid JPEG/PNG	Artist signed in	1. Go to "Manage Artworks". 2. Click "Upload New Artwork". 3. Select valid JPEG/PNG file. 4. Fill all required fields (art title, price, dimension, etc.). 5. Click "Publish".	• Artwork record is created. • Notification: "Artwork submitted for admin approval."
3.2N	Upload Artwork with Unsupported Format	Artist signed in	1. Go to "Manage Artworks". 2. Click "Upload New Artwork". 3. Select unsupported format (e.g., .exe). 4. Click "Publish".	• Error: "Unsupported file format." • Artwork not submitted.
3.3N	Missing Mandatory Fields in Artwork Upload	Artist signed in	1. Click "Upload New Artwork". 2. Leave art title, dimension, or price blank. 3. Click "Publish".	• Error: "Please fill required fields." • Upload halted.
3.4P	Editing Published Art (Allowed Fields)	Artwork approved/published	1. Go to "Manage Artworks". 2. Select any published artwork. 3. Edit title/description. 4. Click "Save".	• Artwork info updated except base price. • Confirmation message displayed.
3.5N	Attempt to Change Base Price on Published Artwork	Artwork approved/published	1. Go to "Manage Artworks". 2. Attempt to edit the base price. 3. Click "Save".	• Base price field is read-only or disabled. • Error: "Cannot edit base price once approved."
3.6P	Unpublish Published Artwork	Artwork published	1. Go to "Manage Artworks". 2. Click "Unpublish" for a published piece. 3. Confirm action.	• Artwork status updated to "Unpublished." • No longer visible to customers.
3.7P	Toggle Artwork Sale On/Off	Artwork approved/unpublished	1. Go to "Manage Artworks". 2. Toggle sale switch to "ON". 3. Confirm.	• Artwork becomes available for purchase if ON. • Toggle sets sale status accordingly.

Artist Portal — Reviews, Sales, Dashboard

TC#	Title	Preconditions	Steps	Expected Results
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4.1P	View Reviews & Ratings (All)	Artwork has reviews (critic/audience)	1. Go to "Reviews" tab or "Reviews Dashboard". 2. Check list of reviews.	• All reviews displayed with critic or normal user tags.
4.2P	Filter Reviews by Critic Only	Artist portal with existing reviews	1. Access "Reviews Dashboard". 2. Select filter = "Critics". 3. Apply filter.	• Only critic reviews are displayed.
4.3P	View Sales (Pending, Delivered, Total)	Orders exist	1. Go to "Sales" section. 2. Check summary of delivered, pending orders, total sales.	• Correct counts and details displayed.
4.4P	Cancel Order Before Shipped	Pending order exists	1. Go to "My Orders". 2. Select an order with status "Processing". 3. Click "Cancel". 4. Confirm.	• Order is cancelled. • Error if tried after shipping.
4.5N	Attempt Cancel After Order Shipped	Shipped order exists	1. Go to "My Orders". 2. Select shipped order. 3. Click "Cancel".	• Error: "Cannot cancel after shipped." • Cancel button is disabled.
4.6P	Reviews Dashboard Search by Art Name	Reviews exist	1. Go to "Reviews Dashboard". 2. Enter an art name in search box. 3. Click search.	• Only reviews for matching art appear.

Critic Portal

TC#	Title	Preconditions	Steps	Expected Results
5.1P	Critic Sign Up (Valid)	N/A	1. Click "Be A Critic" on the home page. 2. Fill all required data (name, phone, resume, etc). 3. Click "Submit".	• Critic account created. • Verification email sent.
5.2N	Critic Sign Up (Missing Mandatory Fields)	N/A	1. Click "Be A Critic". 2. Leave required fields blank. 3. Submit.	• Error: "Please fill required fields."
5.3P	Critic Sign In (Valid Credentials)	Critic account exists	1. Go to Critic sign in page. 2. Enter valid email and password. 3. Click "Login".	• Critic portal displayed.
5.4P	Critic Reviews & Ratings (Unrated Art)	Critic logged in & unrated art	1. Go to "Review & Rate The Art". 2. Select an unlabeled (unrated) artwork. 3. Zoom image, choose star rating, add review text. 4. Optionally recommend a price. 5. Click "Submit".	• Critic review & rating posted. • Price recommendation recorded if provided.
5.5N	Attempt to Edit Submitted Review	Critic has a posted review	1. Go to "Manage Rate & Reviews". 2. Attempt to edit an existing review.	• Editing restricted; user cannot modify once posted.
5.6P	Filter Reviews by Date Range & Rating	Critic has posted multiple reviews	1. Go to "Manage Rate & Reviews". 2. Select date range	• List shows only relevant reviews within

			and rating (e.g., 4 stars). 3. Click "Filter".	date range & chosen rating.
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Customer — Searching, Buying, Reviewing

TC#	Title	Preconditions	Steps	Expected Results
6.1P	Customer Sign In (Valid)	Customer account exists	1. Navigate to “Customer Sign In”. 2. Enter valid email/password. 3. Click "Login".	• Customer is logged in. • Customer home/dash displayed.
6.2P	Search Artwork by Category	Customer logged in, artwork exists	1. Go to search bar. 2. Enter category or select from list (e.g. “New Arrival”). 3. Click search/filter.	• Relevant artworks displayed.
6.3P	View Artwork Details & Add to Cart	Customer logged in, artwork visible	1. Click on desired artwork thumbnail. 2. Review details, price history graph. 3. Click “Add to Cart”.	• Artwork added to cart. • Cart updates displayed.
6.4P	Checkout & Place Order (Valid Shipping/Payment)	Item in cart	1. Go to cart. 2. Click “Checkout”. 3. Enter shipping info, payment (card/PayPal). 4. Apply coupon if available. 5. Click “Confirm Order”.	• Order placed successfully. • Confirmation email/notification sent.
6.5N	Checkout with Missing Payment Details	Item in cart	1. Go to cart. 2. Click “Checkout”. 3. Leave payment info blank. 4. Click “Confirm”.	• Error: “Payment details required.” • Order not placed.
6.6P	Cancel Order Before Shipped	Order in “Processing” status	1. Go to "My Orders". 2. Select an order that’s not shipped. 3. Click "Cancel". 4. Confirm.	• Order cancelled successfully.
6.7N	Cancel Order After Shipped	Shipped order exists	1. Go to "My Orders". 2. Choose an order with “Shipped” status. 3. Attempt to cancel.	• Error: “Cannot cancel after shipping.” • Cancel is disabled.
6.8P	Rate & Review Artwork (Audience)	Purchased or viewed artwork	1. Navigate to an artwork page. 2. Click “Add Review” or “Rate”. 3. Choose star rating & write review. 4. Submit.	• Review posted as audience rating. • Artwork’s average rating updates.
6.9P	Like an Artwork	Artwork displayed	1. View artwork’s detail page. 2. Click “Like” button. 3. Confirm.	• Like count increases by 1.

Admin / Super User

TC#	Title	Preconditions	Steps	Expected Results
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7.1P	Manage User Accounts (Enable/Disable)	Admin privileges	1. Log in as admin. 2. Go to "User Account Management". 3. Select user, click "Disable Account". 4. Confirm.	• User status changes to "Disabled". • User cannot log in.
7.2P	Content Management (Remove Artwork)	Admin privileges, existing artwork	1. Log in as admin. 2. Go to "Content Management". 3. Select an artwork. 4. Click "Remove".	• Artwork removed from portal. • Artist is alerted if needed.
7.3P	Invitation Management (Invite Critic)	Admin privileges	1. Log in as admin. 2. Go to "Invitation Management". 3. Enter info, e.g., Critic's email. 4. Send invite.	• Critic receives an invite email. • Critic can accept or reject the invite.
7.4P	Payment & Pricing Control (Review Price Calculation)	Admin privileges	1. Approve a newly uploaded artwork. 2. Confirm base price and other parameters. 3. Check real-time price calculation in admin console.	• Price is calculated correctly per weighting formula. • Artwork moves to "Approved" status.
7.5P	Review & Rating Management (Moderate Reviews)	Admin privileges	1. Go to "Review Management". 2. Flag inappropriate review. 3. Remove or lock it.	• Review flagged/removed. • Possibly notify the reviewer.
7.6P	Define User Permissions (Assign Roles)	Admin privileges	1. Go to "User Permissions". 2. Select user to elevate to critic or another role. 3. Save changes.	• User roles updated accordingly.

Pricing Strategy (Real-Time Price Updates)

TC#	Title	Preconditions	Steps	Expected Results
8.1P	Price Above Base due to Critic/Audience Ratings	Artwork approved, base price set (e.g., 100\$)	1. Collect multiple critic ratings above 3 stars. 2. Gather audience ratings 4-5 stars. 3. Add >10 likes. 4. Check updated price on the artwork detail page.	• Real-time price is above the base price. • Price graph updated accordingly.
8.2N	Attempt Price Drop Below Base (Low Ratings/No Likes)	Artwork has base price	1. Collect critic ratings of 1-2 stars only. 2. Very few audience reviews/likes. 3. Check final price.	• Final price remains \geq base price (100\$).
8.3P	Dynamic Price Graph Display	Artwork has multiple ratings/likes/reviews	1. Post new critic rating. 2. Post new audience rating. 3. Refresh the page. 4. Observe the price movement over time.	• Price graph updates in real time with color-coded increase/decrease. • Price never falls below base.

8.4P	Critic Recommended Price Factor	Artwork has critics, base price set	1. Critic recommends a price (e.g., 200\$). 2. Another critic recommends 150\$. 3. System calculates average or sum as per weight (27%). 4. Verify final price.	<ul style="list-style-type: none"> • Weighted calculation used to update final price. • Matches the given formula for real-time pricing.
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Notes

1. "P" in TC# stands for Positive scenario; "N" stands for Negative scenario.
2. For each test case, verify both front-end messages (alerts/prompts) and back-end database/state changes where applicable.
3. Ensure validation errors are displayed clearly, and successful actions show confirmation messages or updates in the UI.