

ID	User Story	Acceptance Criteria	Test Description	Test Result	Feature Exercised
	EPIC 01 : Registration and Account Management				
T01	US101 : Register for an account	to register, a user must enter an email, username and password	Attempt to register a user for a combination of invalid values - e.g. a duplicate email address, an invalid email address, invalid password, passwords which do not match. Confirm on-screen and in the db that none of these attempts are successful. Next, register a user entering valid details and confirm that this attempt was successful and confirmation email has been sent.	Pass	F11
T02	US101 : Register for an account	user should not be able to register the same username or email address more than once	Attempt to register a user using a duplicate username, and run the test again for duplicate email address. Confirm on-screen and in the db that these attempts both fail.	Pass	F11
T03	US101 : Register for an account	user should not be able to login unless they have completed the registration step	Attempt to login using unregistered username and password. Confirm that this fails.	Pass	F11
T04	US102 : login and logout	User icon at the top of the page should indicate if user is logged in or logged out (filled in when user is logged in)	Login and verify user icon shows as "filled in" and username is shown under the user icon (max 12 chars)	Pass	F11
T05	US102 : login and logout	User should be able to log in by clicking on user icon at the top of the screen and entering (either username or email) and password	When no user is logged in, click on user icon, confirm that login and register options appear on drop-down. Click on login option and complete login.	Pass	F11
T06	US102 : login and logout	User should be able to log out by clicking on user icon at the top of the screen and selecting Log Out	When user is logged in, click on user icon, confirm that logout option is available on the drop-down. Select Log Out, confirm Sign Out action on screen and verify that user icon has now changed to "empty" user icon and username no longer appears under the user icon.	Pass	F11
T07	US103 : reset password	A "forgot password" link should be available to the user on the log in screen	Go to the Log in screen, verify Forgot Password link is visible, click on the link and follow the instructions. Verify that an email is sent containing a link to reset password.	Pass	F11
T08	US103 : reset password	The user should be prompted to enter an email address when they click on the forgot password link.	See instructions for T07, verify that user is prompted for email address.	Pass	F11
T09	US103 : reset password	An email will be sent to the entered email address providing the user with a link to use to reset their password.	See instructions for T07, verify that email is sent to the address entered and that the link to reset password works.	Pass	F11
T10	US104 : confirm registration via email	when a new user registers they should be sent an email confirming registration and containing a link that they use to confirm their account	When no user is logged in, click on user icon, select Register and enter valid details. Confirm that email is sent to the entered email address and that the link in the mail can be successfully used to confirm new users email address and that account can then be logged in to.	Pass	F11
T11	US105 : access user profile	user can use the profile page to store default delivery information	When logged in, click on the user icon, select My Profile, enter data on the form and click Update Information. Return to home page then go back to the my profile page - verify that the data previously saved is shown correctly on screen. When completing an order for test T42 below verify that the delivery details are pre-populated with data stored in the profile.	Pass	F12, F13
T12	US105 : access user profile	user can see a history of their orders on the profile page	Run test T46 then access the My Profile page for the same user - verify that the order details appear on screen.	Pass	F12, F13
	EPIC 02 : Viewing and Navigation				
T13	US201 : View a list of products/prints	Prints/Products are listed on screen	Use the Prints -> All Prints option on the nav bar to retrieve a list of prints. Verify that all db prints are listed on the screen.	Pass	F04
T14	US201 : View a list of products/prints	Image, title, category, total likes and rating are all visible on screen.	For each of the tests in T13, T32, T33, T34, T35 verify that each of the items of data listed in the AC are visible on the list of returned prints.	Pass	F04
T15	US202 : View individual print details	The following details should be visible for the selected print : image, title, artist, rating, category, price options	Click on a print from the list of prints, verify user is brought to the print detail page, verify that all data items listed on the AC description are visible.	Pass	F06
T16	US203 : View discounted items	Discounted items have a label on the image so the user can easily see which are reduced	Click on Latest! -> Discounts. Verify that items returned have a discounted "label" on them. Click on All Prints -> All Prints, check for at least one item that was on the Discounts list and verify that again it shows the discounted "label". Click on the item to get to it's details page and check again that the discounted label is visible.	Pass	F05
T17	US203 : View discounted items	The list of items displayed on the products screen can be restricted to just discounted items by selecting this option from the menu at the top of the screen.	Click on Latest! -> Discounts. Verify that items returned all have a discounted "label" on them. Check DB to make sure this list matches all rows with the discounted boolean field set to True.	Pass	F05
T18	US204 : View shopping cart total	User can see a list of all items in their shopping cart	Click on the detail page for multiple prints and add them to the shopping cart, verify that each time an item is added a pop-up view of the cart is shown. Click on the cart and verify that the contents of the cart are shown on screen.	Pass	F14
T19	US204 : View shopping cart total	User can see the total cost for items in their shopping cart	For test T18, verify that as items are added the running total is shown on the page header under the shopping cart icon and is visible on the shopping cart page when the icon is clicked.	Pass	F14
T20	US205 : Like a print	A logged in user can toggle between like/unlike on the print/product detail page	Log in, go to the detail page for a print, click on the "heart" icon to like/unlike the item. Verify that number of likes increases / decreases as expected.	Pass	F08, F12
T21	US205 : Like a print	The total number of likes is updated on screen to reflect the toggle on/off +/- 1	Log out and attempt to like an item again - verify that user cannot like/unlike when not logged in.	Pass	F08, F12
T22	US205 : Like a print	A user who is not logged in can see the total number of likes on the print/product detail page but cannot like/unlike	See T20 above.	Pass	F08, F12
T23	US206 : Easily understand purpose of website and how to navigate	Clear website "mission" statement on home page to explain purpose - with graphics to support this	Do not log in, go to the list of prints and print detail pages and verify that the total number of likes is visible.	Pass	F01, F02, F03, F09, F10, F14
T24	US206 : Easily understand purpose of website and how to navigate	Consistent look and feel across the website pages	Go to the home page, Check carousel is visible and working as expected. Check that site slogan/tagline is visible as well as content introducing the site.	Pass	F01, F02, F03, F09, F10, F14
T25	US206 : Easily understand purpose of website and how to navigate	Clear and consistent navigation bar / menu available across all pages	Verify that the colours, fonts, header and footer are consistent across all pages of the site.	Pass	F01, F02, F03, F09, F10, F14
T26	US206 : Easily understand purpose of website and how to navigate	Back-to-top button is available to allow the user to quickly return to the top of the screen	Verify that the nav bar is responsive and consistent across all pages of the site.	Pass	F01, F02, F03, F09, F10, F14
T27	US207 : View wishlist / liked items	A logged in user can see their 'liked' prints on the My Wishlist page	Retrieve a list of prints through search, filter or just return all prints. Verify that a back to top button is visible on screen - circle with upward chevron in the centre. Verify that the back to top button brings the user to the top of the page.	Pass	F08, F12
T28	US208 : View prints by category	user can select a specific category and only prints for that category will be listed	Log in, go to the detail page for a number of prints and "like" each. Click on the Wishlist link in the header and verify that the liked items appear in the returned list. Unlike 2 prints, click on the Wishlist link again and verify that the items have now been removed from the wishlist.	Pass	F05
T29	US208 : View prints by category	user can select 'All categories' and a clickable list of categories will be displayed on screen.	Click on the Categories link in the page header and select a category, verify that all prints returned have a category matching the one selected.	Pass	F05
T30	US209 : View artist bio	user can click on the artist name to get to a bio page for the artist	Click on Categories -> All Categories in the page header. A list of available categories should appear near the top of the screen. Clicking on a category should return a list of all prints for that category.	Pass	F07
T31	US210 : Handle 404 and 500 errors	on 404 or 500 http response, the user is brought to a page with consistent look and feel, shown an error message and can click a button to return to the Home page	Go to the detail page for multiple prints, click on the artist name on each and verify that this brings the user to a page giving the artist details including DOB and image.	Pass	F09
	EPIC 03 : Sorting and Searching				
T32	US301 : Sort list of available prints	Print results can be sorted based on rating, title and category using the on-screen sort box	Fake 404 condition by tagging an invalid string to the application url - verify that the custom 404 page is shown with a link back to Home.	Pass	F05
T33	US302 : Sort a specific category of print	User can select a specific category of prints from the drop-down menu and just see prints for that category - sorting using the sort box will then apply to just the prints within that category.	Retrieve a list of prints through search, filter or just return all prints. Use the sort box on screen to order the results, verify prints are ordered as expected.	Pass	F05
T34	US303 : Sort multiple categories of prints simultaneously	Prints can be sorted based on rating or name within a single category or across all categories	Repeat test T29. Then use the box to order the results. Verify prints are ordered as expected and that only prints returned by T29 are visible.	Pass	F05
T35	US304 : search for a print by title or artist	terms entered in the search field will check for matches in the print title and print artist fields and return a list of all prints that contain the term	Repeat test T33 but use the All Prints -> By Rating and All Prints -> Category links in the page header to sort instead of the sort box on screen. Verify prints are ordered as expected and that only prints returned by the T29 steps of the test are visible.	Pass	F05
T36	US305 : view search results and the number of items found	When the user searches based on a search term or gets a list of products using the menu links a total number of matching results is shown on screen	Enter all or part of a print or artist title / name and verify that all expected matches are returned.	Pass	F05
			Verify that for tests T28, T29 and T35, a total number of results was shown on screen and that this number was calculated correctly.	Pass	F05

	EPIC 04 : Purchasing and Checkout			
T37	US401 : Add items to shopping cart	User can specify quantity and size and add items to shopping cart on the print detail page	Click into the detail page for multiple prints and click on the Add to Cart button. Use the quantity field on screen to add multiple prints on a single Add to Cart click. Verify that the shopping cart and totals are updated as expected.	Pass F14
T38	US402 : Modify cart contents and remove items from the cart	On the shopping cart page the user should be able to adjust the quantity of a print in the cart and then click on Update to save changes. The quantity and subtotal for that print should update accordingly and over all total and delivery changes should also reflect the change.	Repeat T37 then go to the Shopping Cart page. Use the Quantity control to adjust the number of printst in the shopping cart. Verify that totals are updated as expected.	Pass F14
T39	US402 : Modify cart contents and remove items from the cart	On the shopping cart page the user should be able to click on remove of a print in the cart and that should remove all of that print for that size option from the cart. Totals on page should be updated to reflect the removal.	Repeat T37 then go to the Shopping Cart page. Use the Remove link under the Quantity control to remove prints from the shopping cart. Verify that totals are updated as expected.	Pass F14
T40	US403 : View notifications of user interactions	pop-up "toast" messages should appear when the user adds items or modifies the contents of their shopping cart.	For interactions with the application that change the status of the shopping cart (e.g. T37, T38, T39, T46) or ones that change the status of the user - (e.g. T01, T04, T06) or ones updating the DB - e.g. (T48, T50, T52, T54, T56, T58, T60) - verify that a "toast" message appears in the top right of the screen letting the user know the interaction has taken place.	Pass F10
T41	US403 : View notifications of user interactions	pop-up messages should appear for other user interactions such as confirmation of changes to profile, confirmation of submission of an order or errors processing payment	see T40 above.	Pass F10
T42	US404 : Finalize order through the checkout page	User can see list of items on the order and total cost on the checkout page	Add multiple items to the shopping cart, click on the Checkout page, verify that the items and totals are listed on the checkout page and all appropriate discounts have been applied.	Pass F15
T43	US404 : Finalize order through the checkout page	User can enter personal details and shipping information on the checkout page	Verify that if the user has previously saved info in the My Profile page and is currently logged in, then the delivery address details are pre-populated on the Checkout page. Otherwise, verify that if the user is logged in they can opt to save the details they enter on the Checkout page.	Pass F15
T44	US405 : Implement a secure payment process	stripe is used to process payments	Add items to cart, proceed to Checkout page, enter delivery details. Enter a stripe test credit card number - e.g. 4242 4242 4242 4242 to complete checkout and log in to stripe to verify that the payment has been successfully processed.	Pass F15
T45	US405 : Implement a secure payment process	webhooks provide "redundancy" in processing payments in the case of unexpected events	Repeat T44, log in to stripe to verify that the webhooks activated as expected (webhooks functionality within the application should also send the order confirmation email)	Pass F15
T46	US406 : View an order confirmation after checkout	user is shown a summary of the order with details of items ordered, costs and delivery name and address	On completion of T44, verify that the user is taken to an order summary page will all the correct order details displayed.	Pass F15, F16
T47	US407 : Receive an email confirmation after checking out	User should receive an email detailing order number, date, delivery cost, order total, shipping address and customer phone number	On completion of T44, verify that an email with order summary details is sent to the email address provided on the checkout screen.	Pass F15, F16
	EPIC 05 : Admin and Store Management			
T48	US501 : Add a print	Admin user can add a new print which will then be available in the list of prints viewable on the site	Log in as admin. Click on User icon -> Print Management. Verify that the user is brought to the Add Print page and that a print can be successfully added. Once added, verify that the print is visible in the list of prints available for sale.	Pass F12, F17
T49	US501 : Add a print	Non-Admin users cannot add new prints	Attempt to repeat T48 logged in as a user other than admin or not logged in at all. Verify that the Add page cannot be accessed.	Pass F12, F17
T50	US502 : Edit / update details for a print	Admin user can update print details which will then be visible in the print details viewable on the site	Log in as admin. Go to the list of prints page, verify that an Edit link is available beside each print. Click on the link and verify user is taken to an Edit Print page and can save updates to the print. Check that the updates are visible when the user reloads the list of prints. Go to the print detail page for a print and click on the Edit link from there, again save updates and verify that the updates are visible back on the list of prints page.	Pass F12, F17
T51	US502 : Edit / update details for a print	Non-Admin users cannot edit print details	Attempt to repeat T50 logged in as a user other than admin or not logged in at all. Verify that the Edit link is not visible on the print list or pint detail pages.	Pass F12, F17
T52	US503 : Delete a print	Admin user can delete a print which will then no longer be available in the list of prints viewable on the site	Log in as admin. Go to the list of prints page, verify that a Delete link is available beside each print. Click on the link and when prompted, confirm that you wish to delete the print. Verify the print is no longer visible when the user reloads the list of prints. Go to the print detail page for a print and click on the Delete link from there and verify this action also removes the print from the list of prints. Verify that if the print was in the shopping bag, that it has now been removed and totals have been updated correctly.	Pass F12, F17
T53	US503 : Delete a print	Non-Admin users cannot delete prints	Attempt to repeat T52 logged in as a user other than admin or not logged in at all. Verify that the Delete link is not visible on the print list or pint detail pages.	Pass F12, F17
T54	US504 : Edit / update details for a print size option	Admin user select a print option size (small, medium or large) to update and can change it's dimensions and price	Log in as admin. Click on User icon -> Option Management. Verify that the user is brought to the Edit Option page and that changes to dimension and price details for a print can be successfully saved. Verify that any prints in the shopping cart correctly reflect these changes.	Pass F12, F18
T55	US504 : Edit / update details for a print size option	Non-Admin users cannot update print options	Attempt to repeat T54 logged in as a user other than admin or not logged in at all. Verify that the Edit page cannot be accessed.	Pass F12, F18
T56	US505 : Add an artist bio	Admin user can add a new artist which will then be available to assign to prints	Log in as admin. Click on User icon -> Artist Management. Verify that the user is brought to the Add Artist page and that an artist can be successfully added. Once added, verify that a print can be updated to be linked to this new artist.	Pass F12, F19
T57	US505 : Add an artist bio	Non-Admin users cannot add new artists	Attempt to repeat T56 logged in as a user other than admin or not logged in at all. Verify that the Add page cannot be accessed.	Pass F12, F19
T58	US506 : Edit / update details for an artist bio	Admin user can update details for an artist which will then be available to view from print detail pages for any prints attributed to that artist	Log in as admin. Go to an artist detail page via a print detail page. Verify that an Edit link is available. Click on the link and verify user is take to an Edit Artist page and can save updates to the print. Check that the updates are visible on the artist detail page.	Pass F12, F19
T59	US506 : Edit / update details for an artist bio	Non-Admin users cannot update artist details	Attempt to repeat T58 logged in as a user other than admin or not logged in at all. Verify that the Edit link is not visible on the artist detail page.	Pass F12, F19
T60	US507 : Delete artist bio	Admin user can delete an artist, any prints previously attributed to that artist will have it's artist set to Unknown on the website	Log in as admin. Go to an artist detail page via a print detail page. Verify that a Delete link is available. Click on the link and confirm that you wish to delete the artist. Return to a print previously linked to that artist and verify that the artist name for that print is now showing as Unknown.	Pass F12, F19
T61	US507 : Delete artist bio	Non-Admin users cannot delete artists	Attempt to repeat T60 logged in as a user other than admin or not logged in at all. Verify that the Delete link is not visible on the artist detail page.	Pass F12, F19
	EPIC 06 : SEO and Web Marketing			
T62	US601 : Subscribe to newsletter	User can enter an email address to sign up to the site newsletter managed via mailchimp	Go to the footer on any of the application pages and in the Subscribe area enter an email address and click on Subscribe. Verify a message appears to thank the user for subscribing. Log in to mailchimp and verify that the email address has been entered to the subscription list.	Pass F21
T63	US602 : View company facebook page	Link to company facebook page appears in the footer of each page	Go to the footer on any of the application pages. Verify that the facebook link is visible and brings the user to the company facebook page when clicked.	Pass F22
T64	US602 : View company facebook page	Clicking on the facebook link opens the company facebook page in a separate window	For T63 above, verify that a separate window was used to display the facebook page	Pass F22
T65	US603 : SEO	SEO added through the use of suitable keywords in the following locations : a. informative alt tags b. "description" and "keyword" meta tags in the html c. appropriate site title and home page content d. site heading slogan on home page	Manually verify that the following terms are used in the locations named on the AC description : Images, prints, photo, wall decor, poster, art, inspiration, gift, artist, home and office, landscape, abstract, architecture, quality	Pass F20
T66	US603 : SEO	sitemap.xml and robots.txt file created	Manually verify that the files named in the AC description are included as part of the application	Pass F20
T67	US604 : View privacy policy	A link to view the privacy policy is available in the footer of each page	Go to the footer on any of the application pages. Verify that a privacy policy link is visible.	Pass F23
T68	US604 : View privacy policy	Clicking on the privacy policy link brings the user to a page to view the policy	Click on the privacy policy link on the footer of any page, verify that the user is brought to a page displaying the privacy policy. The Privacy Policy page should have the same look and feel as the rest of the application.	Pass F23