**Test Case Suite**

**Test Case ID:** REG\_PAG\_1\_1  
**Test Case Title:** Verify Successful User Registration via "Sign in with email"  
**Preconditions:** User must have a valid, accessible email address.  
**Test Steps:**

1. Navigate to the application website.
2. Click on the 'Signup' button.
3. Click the "Sign in with email" option.
4. Enter a valid email address.
5. Collect the OTP sent to the provided email.
6. Enter the collected OTP into the verification field.
7. Click the 'Submit' button.

**Expected Results:** The user is successfully registered and signed into the application.  
**Priority Level:** High  
**Test Data Requirements:** Valid email address (e.g., [pantho97@gmail.com](https://mailto:pantho97@gmail.com/)).

**Test Case ID:** REG\_PAG\_2\_2

**Test Case Title:** Verify Error Messages for Invalid OTP During Registration  
**Preconditions:**

1. User is on the OTP verification screen.
2. A valid OTP has been sent to the user's email.

**Test Steps:**

1. Navigate to the application website.
2. Click on the 'Signup' button.
3. Click the "Sign in with email" option.
4. Enter a valid email address and proceed.
5. On the OTP screen, enter a 4-digit number (e.g., 1234).
6. Click 'Submit'.
7. Enter a 6-digit incorrect OTP (e.g., 123456).
8. Click 'Submit'.

**Expected Results:**

1. A validation error message "OTP must be a 6-digit number" is displayed.
2. A validation error message "Wrong OTP number" is displayed, and login is prevented.

**Priority Level:** High  
**Test Data Requirements:** Valid email address, incorrect 4-digit and 6-digit OTPs.

**Test Case ID:** REG\_PAG\_3\_3  
**Test Case Title:** Verify "Enter" Key Functionality on Email Input Field  
**Preconditions:** User must have a valid email address.  
**Test Steps:**

1. Navigate to the application website.
2. Click on the 'Signup' button.
3. Click the "Sign in with email" option.
4. Enter a valid email address.
5. Press the 'Enter' key on the keyboard.

**Expected Results:** The system navigates to the OTP verification page.  
**Priority Level:** Low  
**Test Data Requirements:** Valid email address (e.g., [pantho@gmail.com](https://mailto:pantho@gmail.com/)).

**Test Case ID:** REG\_PAG\_4\_4  
**Test Case Title:** Verify Successful User Registration via "Sign in with Google"  
**Preconditions:** User must have a valid Google account.  
**Test Steps:**

1. Navigate to the application website.
2. Click on the 'Signup' button.
3. Click the "Sign in with Google" option.
4. Select a Google account from the prompt.
5. Click 'Continue' to grant permissions.

**Expected Results:** The user is successfully registered and signed into the application.  
**Priority Level:** High  
**Test Data Requirements:** Valid Google account credentials.

**Test Case ID:** REG\_PAG\_5\_5  
**Test Case Title:** Verify Successful User Registration via "Sign in with Twitter"  
**Preconditions:** User must have a valid Twitter account.  
**Test Steps:**

1. Navigate to the application website.
2. Click on the 'Signup' button.
3. Click the "Sign in with Twitter" option.
4. Select a Twitter account from the prompt.
5. Click 'Continue' to grant permissions.

**Expected Results:** The user is successfully registered and signed into the application.  
**Priority Level:** High  
**Test Data Requirements:** Valid Twitter account credentials.

**Test Case ID:** SIGN\_PAG\_1\_6  
**Test Case Title:** Verify "Terms of Use" Link Functionality  
**Preconditions:** None.  
**Test Steps:**

1. Navigate to the application's login/signup page.
2. Click on the "Terms of use" link.

**Expected Results:** The "Terms of use" page opens in a new tab or the current window.  
**Priority Level:** Medium  
**Test Data Requirements:** None.

**Test Case ID:** SIGN\_PAG\_2\_7  
**Test Case Title:** Verify "Privacy Policy" Link Functionality  
**Preconditions:** None.  
**Test Steps:**

1. Navigate to the application's login/signup page.
2. Click on the "Privacy Policy" link.

**Expected Results:** The "Privacy Policy" page opens in a new tab or the current window.  
**Priority Level:** Medium  
**Test Data Requirements:** None.

**Test Case ID:** LOG\_PAG\_1\_8  
**Test Case Title:** Verify "Sign In" Link Redirects to Login Page  
**Preconditions:** None.  
**Test Steps:**

1. Navigate to the application's signup page.
2. Click on the "Sign In" link/text.

**Expected Results:** The user is redirected to the application's login page.  
**Priority Level:** Medium  
**Test Data Requirements:** None.

**Test Case ID:** SIG\_PAG\_1\_9  
**Test Case Title:** Verify Third-Party Login Options on “Sign in with email” Page  
**Preconditions:** User must have existing accounts with Google, Twitter, and GitHub.  
**Test Steps:**

1. Navigate to the “Sign in with email” page.
2. Click the “Sign in with Google” button and complete the login flow.
3. Return to the page.
4. Click the “Sign in with Twitter” button and complete the login flow.
5. Return to the page.
6. Click the “Sign in with GitHub” button and complete the login flow.

**Expected Results:** The user can successfully authenticate and log in using each third-party service.  
**Priority Level:** Medium  
**Test Data Requirements:** Valid Google, Twitter, and GitHub account credentials.

**Test Case ID:** SIG\_PAG\_2\_10  
**Test Case Title:** Verify "Email Notifications" Checkbox Functionality  
**Preconditions:** User must have a valid third-party account (Google, Twitter, GitHub).  
**Test Steps:**

1. On the "Sign in with email" page, select the "Email Notifications" checkbox.
2. Proceed to log in using any third-party service (e.g., Google).
3. Check the email inbox associated with the account used for login.

**Expected Results:**

1. The checkbox is selectable.
2. A login notification email is received upon successful authentication.

**Priority Level:** Medium  
**Test Data Requirements:** Valid third-party account credentials.

**Test Case ID:** IMG\_PAG\_1\_11  
**Test Case Title:** Verify Image Generation with Valid Prompt  
**Preconditions:** User must be logged into the application.  
**Test Steps:**

1. Navigate to the Image Generator section.
2. Enter a detailed prompt into the input field.
3. Select a desired image style from the available options.
4. Click the 'Generate' button.

**Expected Results:** An image is successfully generated and displayed based on the provided prompt.  
**Priority Level:** High  
**Test Data Requirements:** A detailed text prompt (e.g., "Beautiful nature landscape with mountains, river, trees, clear sky, and sunlight, realistic style.").

**Test Case ID:** IMG\_PAG\_2\_12  
**Test Case Title:** Verify "Clear" Button Functionality in Image Generator  
**Preconditions:** User must be logged into the application.  
**Test Steps:**

1. Navigate to the Image Generator section.
2. Enter any text into the prompt input field.
3. Click the 'Clear' button.

**Expected Results:** The text prompt input field is emptied.  
**Priority Level:** High  
**Test Data Requirements:** Any text string.

**Test Case ID:** IMG\_PAG\_3\_13  
**Test Case Title:** Verify "Like" Button Functionality on a Generated Image  
**Preconditions:** User must be logged in. An image must be present in the gallery to interact with.  
**Test Steps:**

1. Navigate to the Image Generator section.
2. Click on a generated image to select it.
3. Click the 'Like' button.

**Expected Results:**

1. A "Image Liked!" popup message is displayed.
2. The like count for the image increases by one.

**Priority Level:** High  
**Test Data Requirements:** None.

**Test Case ID:** IMG\_PAG\_4\_14  
**Test Case Title:** Verify "Download" Button Functionality on a Generated Image  
**Preconditions:** User must be logged in. An image must be present in the gallery to interact with.  
**Test Steps:**

1. Navigate to the Image Generator section.
2. Click on a generated image to select it.
3. Click the 'Download' button.
4. Click 'OK' on any confirmation popup.

**Expected Results:** The image file is downloaded successfully to the user's local machine.  
**Priority Level:** Low  
**Test Data Requirements:** None.

**Test Case ID:** SUP\_SEC\_1\_15  
**Test Case Title:** Verify "Email Us" Button Functionality in Support Section  
**Preconditions:** User must be logged into the application.  
**Test Steps:**

1. Navigate to the Support section of the application.
2. Click the "Email Us" button.

**Expected Results:** The user's default email client opens a new message draft with the application's support email pre-filled in the 'To' field.  
**Priority Level:** High  
**Test Data Requirements:** None.

**Test Case ID:** STORE\_SCH\_01\_16  
**Title:** Store Search Function  
**Preconditions:** In Store section  
**Steps:**

1. Search "Dall" (exact)
2. Search " Gpt" (partial)
3. Search "InvalidXYZ" (no match)

**Expected Results:**

1. Shows all AI tools which name have “Dall" this string
2. Shows all AI tools which name have “Gpt" this string
3. Shows "No results"

**Priority:** High  
**Test Data:** DALL-E 3

**Test Case ID:** AI\_TASK\_SCH\_01\_17  
**Test Case Title:** Verify AI Tasks Search Function  
**Preconditions:** User is in "AI Tasks" section.  
**Test Steps:**

1. Enter exact task name (e.g., "TikTok Posts") in search field.
2. Execute search.
3. Enter partial keyword (e.g., "TikTok").
4. Execute search.
5. Enter invalid term (e.g., "InvalidTaskXYZ").
6. Execute search.

**Expected Results:**

1. Exact match: Only "TikTok Posts" appears.
2. Partial match: All tasks with "TikTok" appear.
3. No match: "No results" message shown.

**Priority:** High  
**Test Data:** LinkedIn Job Search

**Test Case ID:** AI\_JOB\_AN\_01\_18  
**Test Case Title:** Job Post Analysis Function  
**Preconditions:** User is in "AI Job Analysis" section  
**Test Steps:**

1. Paste a job post text into input field
2. Click "Analyze" button

**Expected Results:**

1. System successfully processes the text
2. Returns structured analysis (e.g. skills, requirements, summary)
3. No error messages shown

**Priority:** High  
**Test Data:** Sample job post text

**Test Case ID:** AI\_JOB\_DR\_01\_19  
**Test Case Title:** "Draft a Resume" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "Draft a resume" button.

**Expected Results:**

1. The system generates a tailored resume draft based on the pasted job description.
2. The draft is well-formatted and includes relevant skills and experience matching the job.

**Priority:** High

**Test Case ID:** AI\_JOB\_SK\_01\_20  
**Test Case Title:** "What skills are needed?" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "What skills are needed?" button.

**Expected Results:**

1. The system displays a clear list of hard and soft skills extracted from the job description.

**Priority:** High

**Test Case ID:** AI\_JOB\_SO\_01\_21  
**Test Case Title:** "How to stand out?" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "How to stand out?" button.

**Expected Results:**

1. The system provides actionable advice and strategies tailored to the specific job role to make an application more competitive.

**Priority:** Medium

**Test Case ID:** AI\_JOB\_KR\_01\_22  
**Test Case Title:** "What are the key responsibilities?" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "What are the key responsibilities?" button.

**Expected Results:**

1. The system outputs a summarized, bulleted list of the primary responsibilities from the job description.

**Priority:** High

**Test Case ID:** AI\_JOB\_FIT\_01\_23  
**Test Case Title:** "How do I fit this role?" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "How do I fit this role?" button

**Expected Results:**

1. The system provides an analysis comparing the user's profile (or expected profile) against the job requirements, highlighting areas of fit.

**Priority:** Medium

**Test Case ID:** AI\_JOB\_TR\_01\_24  
**Test Case Title:** "How to tailor my resume?" Feature  
**Preconditions:** A job post has been pasted into the input field.  
**Test Steps:**

1. Click the "How to tailor my resume?" button.

**Expected Results:**

1. The system provides specific, actionable tips on how to modify an existing resume to better align with the pasted job description.

**Priority:** High

**Test Case ID:** SUB\_PAY\_01\_25  
**Test Case Title:** Verify End-to-End Subscription Payment Process with Insufficient Funds  
**Preconditions:**

* User is logged into EchoGPT
* User is on Subscription/Pricing page
* User's Nagad account has insufficient funds

**Test Steps:**

1. Select '$9.99' subscription package
2. Click 'Subscribe Now'
3. Select 'Pay in BDT' option
4. Click 'Submit'
5. Select 'Mobile Banking - Nagad'
6. Enter valid Nagad mobile number
7. Enter incorrect OTP (e.g., 000000)
8. Enter correct OTP (e.g., from SMS)
9. Enter Nagad PIN

**Expected Results:**

1. Payment options 'Secure international payments' and 'Pay in BDT' appear
2. System proceeds to payment gateway
3. Nagad number field accepts input
4. Error shown for wrong OTP: "Invalid OTP"
5. Correct OTP accepted, proceeds to PIN entry
6. System detects insufficient funds, shows error
7. User redirected to home page; subscription not activated

**Priority:** High  
**Test Data:**

* Valid Nagad number
* Wrong OTP: 000000
* Correct OTP: from SMS
* Nagad PIN: 1234

**Test Case ID:** PLAT\_LOG\_01\_25  
**Test Case Title:** Verify System Prevents Login with Non-Existent Account  
**Preconditions:** User is on the platform login page (https://platform.echogpt.live/). The user does not have a registered account.  
**Test Steps:**

1. Enter an email address not registered in the system.
2. Enter any password.
3. Click the 'Login' or 'Sign In' button.

**Expected Results:**

1. The system displays an error message such as "Invalid login credentials" or "Account not found".
2. The user is not granted access and remains on the login page.

**Priority:** High  
**Test Data:** Email: asdfgh@gamil.com, Password: Azxcvbn

**Test Case ID:** PLAT\_REG\_02\_27  
**Test Case Title:** Verify Successful Account Registration and Subsequent Login  
**Preconditions:** User is on the platform login/registration page (https://platform.echogpt.live/).  
**Test Steps:**

1. Click on the 'Sign Up' or 'Create Account' link.
2. Fill in all required registration fields (e.g., email, password).
3. Submit the registration form.
4. On the login page, enter the newly created email and password.
5. Click the 'Login' button.

**Expected Results:**

1. After step 3, a success message is displayed, and the user account is created.
2. After step 5, the user is successfully authenticated and redirected to the platform's main dashboard or home page.

**Priority:** High  
**Test Data:** Email: asdfgh@gamil.com, Password: Azxcvbn

**Test Case ID:** PLAT\_REC\_03\_28  
**Test Case Title:** Verify "Forgot Password" Link Functionality  
**Preconditions:** User is on the platform login page (https://platform.echogpt.live/). A valid user account exists.  
**Test Steps:**

1. Enter a valid registered email address in the login form.
2. Click on the 'Forgot Password?' link.

**Expected Results:**

The user is redirected to a functional password recovery page where they can enter their email to reset their password. (This test is expected to Fail based on your findings, meaning the actual result is a broken link or error).  
**Priority:** High  
**Test Data:** Email: existinguser@example.com

**Non-Functional Testing Summary**

**Usability Testing (User Experience, Accessibility):**

* **Success**: Verified keyboard navigation (Tab, Enter) functionality on the email input field, a key accessibility requirement.
* **Failure:**Identified critical usability flaws: non-clickable legal links ("Terms of Use", "Privacy Policy") and a broken "Sign In" link, which severely degrade the user experience and prevent necessary navigation.

**Security Testing (Basic Security Considerations):**

* **Critical Failure:**Uncovered a severe security vulnerability where the OTP authentication could be completely bypassed by entering any 6-digit code. This fundamental flaw compromises user account security.

**Performance Testing (Response Times):**

* **Observation:**The AI Job Analysis feature was observed to provide responses within a 3-4 second timeframe, which is considered a convenient and acceptable performance benchmark for an AI-powered tool.

**Compatibility Testing (Browser Considerations):**

* **Success:** Ad-hoc testing on the Brave browser confirmed that all core sign-up and functionality performed as expected, indicating no major browser-specific compatibility issues.