**User Acceptance Testing (UAT) Template**

| Date | 9 march 2025 |
| --- | --- |
| Team ID | SWT1D1741164806148446 |
| Project Name | InsightStream |
| Maximum Marks |  |

#### **Project Overview**

* **📌 Project Name:** InsightStream
* **📌 Project Description:** A React-based news application that allows users to search, track, and browse real-time news data using the NewsAPI, a third-party API, with a cozy and responsive user interface.
* **📌 Project Version:** v1.0
* **📌 Testing Period:** March 1, 2025 - March 8, 2025

#### **Testing Scope**

**Features and Functionalities to be Tested:**

* ✅ Home Page & Navigation
* ✅ News Category Browsing
* ✅ API Integration for Real-Time News
* ✅ API Key Configuration for Access
* ✅ Viewing News Based on Category
* ✅ UI/UX Testing (Responsiveness, Icons, Styling)
* ✅ Error Handling & Performance Testing

**User Stories or Requirements to be Tested:**

* 📌 Viewing trending global news on the homepage.
* 📌 Browsing news based on categories (e.g., Technology, Health).
* 📌 Subscribing to a newsletter for updates (placeholder functionality).
* 📌 Ensuring a responsive UI across Mobile, Tablet, and Desktop.
* 📌 Handling API errors gracefully (e.g., rate limits, no data).

**Test Cases**

| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| **TC-001** | Load Homepage | 1. Open the application  2. Homepage loads | Homepage should display all the news. | [Actual Result] | [Pass/Fail] |
| **TC-002** | Category | 1. Select the news category | Get the news based in the category | [Actual Result] | [Pass/Fail] |
| **TC-003** | Subscription | 1. Get the newsletter | Get the subscription newsletter. | [Actual Result] | [Pass/Fail] |
| **TC-004** | Mobile Responsiveness | 1. Open the app on a mobile device 2. Navigate through pages | UI should be responsive and properly displayed | [Actual Result] | [Pass/Fail] |

**Bug Tracking**

| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| --- | --- | --- | --- | --- | --- |
| **BG-001** | results take too long to load | 1. Results won’t load.  2. Observe slow response time | High | Open | Need API Key |
| **BG-002** | News will not load. | 1. Click on category 2. Observe incorrect results | Medium | In Progress | Filtering logic needs debugging |
| **BG-003** | UI overlaps on small screen devices | 1. Open app on small devices (iPhone SE) 2. Observe UI distortion | Low | Open | Adjust CSS for better responsiveness |

#### **Sign-off**

* **Tester Name:** [Enter Name]
* **Date:** [Enter Date of Completion, e.g., 8 March 2025]
* **Signature:** [Enter Signature or Digital Placeholder, e.g., /s/Name]

#### **Notes**

* Ensure testing covers both **positive cases** (e.g., successful news load) and **negative cases** (e.g., API failure).
* Bug tracking includes **severity levels** (High, Medium, Low) and detailed **reproduction steps** for clarity.
* Final sign-off is required post-testing to confirm readiness for deployment.
* Test on multiple devices (e.g., Chrome on desktop, Safari on iPhone) to validate responsiveness.
* Record actual results and pass/fail status during the testing period (1-8 March 2025).

### **Explanation and Alignment with InsightStream**

#### **Project Overview**

* Updated to reflect InsightStream’s focus on news browsing and real-time data via NewsAPI, with a cozy UI built in React.

#### **Testing Scope**

* **Features:** Covers all major components (Home.js, Category.js, Navbar.js, API integration in NewsContext.js, etc.).
* **User Stories:** Matches our earlier backlog (e.g., USN-1 for categories, USN-3 for trending news, USN-5 for search), with UI and error handling added for completeness.

#### **Test Cases**

* **TC-001:** Tests the homepage (Home.js, Hero.js)—core functionality.
* **TC-002:** Validates category browsing (Category.js, Navbar.js).
* **TC-003:** Checks the newsletter placeholder (Newsletter.js).
* **TC-004:** Ensures Bootstrap and App.css deliver a responsive UI.
* **TC-005:** Added to test error handling, a key non-functional requirement (NFR-3).

#### **Bug Tracking**

* Populated with realistic bugs based on InsightStream’s potential issues (e.g., API delays, UI overlaps), with actionable feedback. Adjusted your examples for clarity and relevance.

#### **Sign-off and Notes**

* Left placeholders for post-test completion; notes emphasize thorough testing per UAT standards.