**Software Test Plan**

**Project Title:** InfluencerConnect  
**Prepared By:** Ayan Ahmed Siddiqui, Ansab Haider, Wajiha Ali Malik  
**Start Date:** 3-May-2025  
**End Date:** 5-May-2025

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| **S. No** | **Description** | **Test Engineer** | **Start Date** | **End Date** |
| 1 | Login Screen | Ayan Ahmed Siddiqui | 01-May-25 | 01-May-25 |
| 2 | Registration Screen | Wajiha Ali Malik | 01-May-25 | 01-May-25 |
| 3 | Influencer Dashboard | Ansab Haider | 02-May-25 | 02-May-25 |
| 4 | Marketing Agent Dashboard | Ayan Ahmed Siddiqui | 02-May-25 | 02-May-25 |
| 5 | Campaign Creation | Ansab Haider | 03-May-25 | 03-May-25 |
| 6 | Influencer Search & Filtering | Wajiha Ali Malik | 03-May-25 | 03-May-25 |
| 7 | Invitation System | Ayan Ahmed Siddiqui | 04-May-25 | 04-May-25 |
| 8 | Real-time Messaging | Ansab Haider | 04-May-25 | 04-May-25 |
| 9 | Notification System | Wajiha Ali Malik | 05-May-25 | 05-May-25 |
| 10 | Admin Panel (User & Role Access) | Ayan Ahmed Siddiqui | 05-May-25 | 05-May-25 |

**Test Case**

**Project Name:** Plagiarism Detection System for Urdu Language  
**Iteration No:** 1  
**Module Name:** Login API  
**Date:** 10-April-2025  
**Test Case ID:** TC-001  
**Test Engineer:** Syed Ahmed Ali  
**Test Case Description:** This test case verifies the login API functionality using valid, invalid, and empty credentials. It ensures the system allows authenticated access and handles errors correctly.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Enter Email, Password, Click Login | ayan@influencerconnect.com / 1234 | User redirected to dashboard | User redirected to dashboard | Pass |
| TC-2 | Enter incorrect password and attempt login | ayan@influencerconnect.com / xyz | Show login error | Show login error | Pass |
| TC-3 | Submit empty fields | (blank) | Validation error | Validation error | Pass |
| TC-4 | Enter non-registered email and submit | test@unknown.com / abc | Show login error | Show login error | Pass |

**Module Name:** User Registration  
**Date:** 01-May-2025  
**Test Case ID:** TC-002  
**Test Engineer:** Wajiha Ali Malik  
**Test Case Description:** Verify user registration functionality with valid and invalid inputs

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Enter Name, Email, Password, Confirm Pass | Name: John | User should be registered and redirected to login page | User registered and redirected | Pass |
| Email: john@mail.com |
| Password: Test@123 |
| Confirm: Test@123 |
| TC-2 | Leave Email field blank | Name: John | Error message: "Email is required" | Error shown | Pass |
| Email: (blank) |
| Password: Test@123 |
| TC-3 | Enter mismatched passwords | Name: John | Error message: "Passwords do not match" | Error shown | Pass |
| Email: john@mail.com |
| Password: Test@123 |
| Confirm: Test@124 |
| TC-4 | Use duplicate email | Email already exists in database | Error message: "Email already exists" | Error shown | Pass |

**Module Name:** Campaign Creation  
**Date:** 02-May-2025  
**Test Case ID:** TC-003  
**Test Engineer:** Ansab Haider  
**Test Case Description:** Verify that a marketing agent can create a campaign with valid and invalid data

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Fill all fields correctly and submit | Content: New Phone Launch | Campaign should be created and listed | Campaign created successfully | Pass |
| Start Date: 05-May-2025 |
| End Date: 15-May-2025 |
| Budget: 100000 PKR |
| TC-2 | Leave required field (Content) empty | Content: (blank) | Error message: "Content is required" | Error shown | Pass |
| Other fields filled |
| TC-3 | End date before start date | Start Date: 10-May-2025 | Error message: "End date must be after start" | Error shown | Pass |
| End Date: 05-May-2025 |
| TC-4 | Enter non-numeric budget | Budget: "Ten Thousand" | Error message: "Invalid budget format" | Error shown | Pass |
| TC-5 | Try submitting without being approved agent | All valid fields | Error message: "Account not approved" | Error shown | Pass |

**Module Name:** Messaging System  
**Date:** 03-May-2025  
**Test Case ID:** TC-004  
**Test Engineer:** Wajiha Ali Malik  
**Test Case Description:** Validate real-time messaging between Influencer and Marketing Agent using SignalR

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Send a message from Influencer to Agent | Message: “Hi, I'm interested in your campaign.” | Message appears instantly in Agent’s chat window | Delivered within 1 second | Pass |
| TC-2 | Send message when other user is offline | Message: “Hey, let's connect.” | Message delivered once user comes online | Delivered on next login | Pass |
| TC-3 | Try sending a message as unapproved Agent | Logged in as unapproved Agent | Error shown: “Account not approved” | Access denied to chat | Pass |
| TC-4 | Open chat thread with existing conversation | Clicked on existing chat from “My Chats” | All past messages are loaded correctly | Messages rendered correctly | Pass |
| TC-5 | Send an empty message | Message: (blank) | Error: “Message cannot be empty” | Error shown | Pass |
| TC-6 | Multiple users messaging at once | 3 users active and exchanging messages simultaneously | All messages sent/received in real-time | No delays or overlap | Pass |

**Module Name:** Invitation System  
**Date:** 04-May-2025  
**Test Case ID:** TC-005  
**Test Engineer:** Ansab Haider  
**Test Case Description:** Validate that Marketing Agents can send and manage invitations to influencers, and influencers can accept or reject them.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Agent sends invitation to influencer | Select influencer from list → Click "Invite" | Invitation sent successfully | Invitation created and saved in DB | Pass |
| TC-2 | Agent tries to invite without selecting any influencer | Click "Invite" button with no checkboxes selected | Error: “Please select at least one influencer” | Proper error displayed | Pass |
| TC-3 | Influencer accepts the invitation | Click "Accept" button on received invite | Status changes to Accepted, reflected in UI and database | Status updated to Accepted | Pass |
| TC-4 | Influencer rejects the invitation | Click "Reject" button | Status changes to Rejected, invitation removed from view | Invitation marked as rejected | Pass |
| TC-5 | Unapproved Agent tries to send invitations | Logged in as unapproved agent | Access denied or button hidden | Button hidden; action blocked | Pass |
| TC-6 | Duplicate invitation prevention | Try to invite same influencer for same campaign | Error: “Already invited” | Prevented with error shown | Pass |

**Module Name:** Admin Panel – Marketing Agent Approval **Date:** 04-May-2025  
**Test Case ID:** TC-006  
**Test Engineer:** Ayan Ahmed Siddiqui  
**Test Case Description:** Validate that admin can approve/reject newly registered marketing agents and restrict their system access based on approval.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Open Admin Panel and view list of pending agents | N/A | All unapproved marketing agents are listed | Unapproved agents displayed | Pass |
| TC-2 | Approve a pending agent | Click "Approve" on an unapproved agent | Status updates to Approved; agent can now create campaigns | Status updated; access granted | Pass |
| TC-3 | Reject a pending agent | Click "Reject" | Status updates to Rejected; agent cannot access core features | Status updated to Rejected | Pass |
| TC-4 | Approved agent logs in | Approved account credentials | Redirected to dashboard with campaign access | Accessed dashboard successfully | Pass |
| TC-5 | Unapproved agent tries to create a campaign | Logged in as unapproved user | Error message: "Your account is not yet approved" | Message shown; create page blocked | Pass |
| TC-6 | Unapproved agent tries to use messaging system | Logged in as unapproved user | Access denied to messaging system | Chat hidden; access denied | Pass |

**Module Name:** Influencer Search & Filter  
**Date:** 05-May-2025  
**Test Case ID:** TC-007  
**Test Engineer:** Wajiha Ali Malik  
**Test Case Description:** Verify that influencers can be searched and filtered based on multiple criteria such as category, content type, keyword, and price range.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Filter influencers by category | Select category: "Tech" | List displays only influencers belonging to "Tech" category | Correct filtered results shown | Pass |
| TC-2 | Filter influencers by content type | Select "Stories" and "Reels" | Influencers with selected content types appear | Results updated correctly | Pass |
| TC-3 | Apply min/max ad price filter | Min: 1000, Max: 3000 | Influencers within price range are listed | Prices filtered as expected | Pass |
| TC-4 | Search influencers using a keyword | Enter keyword: "Ali" | All influencer names containing “Ali” are shown | Search results correct | Pass |
| TC-5 | Apply combined filters (category + content type + price + keyword) | "Beauty", "Videos", Min: 2000, Max: 4000, keyword: "Khan" | Narrowed down results matching all filters | Multicriteria filter works as expected | Pass |
| TC-6 | Search with no matching influencers | Keyword: "xyzabc" | Message shown: “No influencers found” | Message displayed correctly | Pass |

**Module Name:** Campaign Listing with Pagination  
**Date:** 06-May-2025  
**Test Case ID:** TC-008  
**Test Engineer:** Ansab Haider  
**Test Case Description:** Verify that campaign pagination works correctly and limits the number of campaigns shown per page to 9.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Load Campaign Page | Go to Campaign List Page | First 9 campaigns are displayed | Displayed 9 campaigns | Pass |
| TC-2 | Navigate to next page | Click on page number 2 | Next set of 9 campaigns is loaded | Next 9 campaigns shown | Pass |
| TC-3 | Navigate to a page with fewer than 9 campaigns | Navigate to last page (e.g., 5) | Remaining campaigns (less than 9) displayed | 3 campaigns shown (as expected) | Pass |
| TC-4 | Navigate back to previous page | Click on page number 1 | Returns to the first 9 campaigns | First 9 campaigns reloaded | Pass |
| TC-5 | Use browser back button after navigation | Click browser back | Returns to previous pagination state | Correct page state maintained | Pass |
| TC-6 | Combine pagination with filters | Filter by “Tech” category + page 2 | Displays 9 filtered “Tech” campaigns from offset | Filtered + paginated results OK | Pass |

**Module Name:** Invoice Generation  
**Date:** 07-May-2025  
**Test Case ID:** TC-009  
**Test Engineer:** Ayan Ahmed Siddiqui  
**Test Case Description:** Verify that influencers can generate invoices after accepting a campaign and the data is correctly reflected.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Navigate to accepted campaign list | Influencer logs in and views accepted campaigns | Accepted campaigns are listed with invoice option available | Accepted campaigns shown | Pass |
| TC-2 | Generate invoice for a campaign | Click "Generate Invoice" for Campaign A | Invoice preview is displayed with correct campaign and influencer details | Invoice preview generated correctly | Pass |
| TC-3 | Submit invoice | Click "Submit Invoice" | Invoice is saved and marked as submitted | Invoice saved and status updated | Pass |
| TC-4 | Generate invoice for a campaign already invoiced | Click "Generate Invoice" again | Error or message: "Invoice already submitted for this campaign" | Message displayed | Pass |
| TC-5 | View generated invoice | Navigate to "My Invoices" | List of all submitted invoices is displayed | Invoices listed correctly | Pass |
| TC-6 | Generate invoice with missing campaign data (edge case) | Campaign data deleted by admin | Error message or graceful handling with proper alert | Error handled gracefully | Pass |

**Module Name:** Admin Panel – Marketing Agent Approval  
**Date:** 08-May-2025  
**Test Case ID:** TC-010  
**Test Engineer:** Ansab Haider  
**Test Case Description:** Verify that an admin can view pending marketing agent registrations and approve or reject them.

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| **S. No** | **Steps** | **Input Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Log in as admin | Valid admin credentials | Admin dashboard is displayed | Dashboard loaded | Pass |
| TC-2 | Navigate to “Pending Agents” section | Click on “Pending Agents” | List of unapproved agents appears | Pending agents listed | Pass |
| TC-3 | Click “Approve” on a pending agent | Agent ID = 1204 | Agent status updated to “Approved” in database | Status updated correctly | Pass |
| TC-4 | Click “Reject” on a pending agent | Agent ID = 1205 | Agent status updated to “Rejected” or marked deleted | Status updated correctly | Pass |
| TC-5 | Try accessing campaign creation as unapproved agent | Login as unapproved agent | “Not Approved” message displayed and access blocked | Access correctly blocked | Pass |
| TC-6 | Verify approved agent now sees campaign creation UI | Login as approved agent | Campaign creation form visible | Campaign form rendered | Pass |