

Community App

WhatsApp Integration

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**Quick Spec – WhatsApp Integration**

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This document is intended to be used as part of the SLERATE spec Development and Review Process.

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1. Overview

The WhatsApp Integration feature enables seamless interaction between the community app and WhatsApp, allowing members and admins to leverage WhatsApp functionalities such as group joining and message sharing. It aims to enhance user engagement by providing convenient cross-platform connectivity.

1. Scenarios

|  |  |
| --- | --- |
| **Scenario Name** | **Join WhatsApp Group via Community Group Section in App with Direct Redirect to WhatsApp** |
| Background | Meena wants to join a community WhatsApp group through the app with easy navigation from the Community Group page and direct joining via a smooth redirect to WhatsApp. |
| Objective | Ensure members can find relevant groups and join WhatsApp groups directly through a seamless redirect from the app to WhatsApp. |
| Persona(s) | Meena – Member |
| Scenario Steps | 1. Meena opens the app and logs in if not already logged in. 2. Meena goes to homepage and navigates community group section      1. Meena clicks on the “view all” in Community Groups section in homepage.      1. The system displays a list of available community WhatsApp groups      1. Meena clicked on one of the available groups 2. The system displayed the group’s details, including its name, a brief description, the number of people in the group, and a “Join” button.      1. Meena selects the “Join” button for the desired group. 2. The system shows a confirmation/modal with a message like “You will be redirected to WhatsApp to join this group. Continue?” with options “Yes” or “Cancel.” 3. If Meena selects “Cancel,” the app returns to the group list without further action. 4. If Meena selects “Yes,” the app opens the WhatsApp invite link using the device’s handler (WhatsApp app on Android/iOS). 5. If successful, WhatsApp launches directly to the group preview, and the member joins the group within WhatsApp. 6. If an error happens    1. If WhatsApp is not installed, display an error message: “WhatsApp is not installed on your device. Please install WhatsApp to join the group.”    2. If the WhatsApp invite link is invalid or expired, display: “The invite link is invalid or expired. Please contact the admin.”    3. If the system fails to open the link due to OS/app restrictions, show: “Unable to open WhatsApp. Please try again later.” 7. After joining or if the member cancels within WhatsApp, the member returns to the app (or closes WhatsApp if not automatically returned). |

1. Business Requirements

|  |  |  |
| --- | --- | --- |
|  | **Business Requirement** | **Priority** |
| 1 | Members can join WhatsApp groups relevant to their roles or interests from within the app. | High |
| 2 | Integration handles WhatsApp invite links for group joining with proper redirect flow. | High |
| 3 | Support notifications and confirmations on WhatsApp group join success or failure. | Medium |
| 4 | Robust error handling for scenarios such as invalid invite links, WhatsApp not installed, or connectivity issues. | High |
| 5 | Secure handling of user permissions and WhatsApp API authentication where applicable. | High |

1. Functional Requirements

|  |  |  |
| --- | --- | --- |
|  | **Functional Requirement** | **Business Requirement(s)** |
| 1 | Display list of WhatsApp community groups within the app, showing group name, description, member count, and join button. | 1 |
| 2 | Upon member selecting “Join” for a WhatsApp group, app shows confirmation prompt before redirecting to WhatsApp via invite link. | 1,2 |
| 3 | Redirect to WhatsApp app using device handler to open invite link for joining the group. | 1,2 |
| 4 | After joining (or canceling) WhatsApp group, app optionally displays success/failure notification when feasible. | 3 |
| 5 | Detect if WhatsApp app is installed before redirecting; if not installed, display user-friendly error message with instructions to install. | 4 |
| 6 | Validate invite links for format correctness and detect expired/invalid links, displaying appropriate error messages. | 4 |
| 7 | Handle OAuth authentication process for WhatsApp Business API integration securely. | 5 |

1. Dependencies

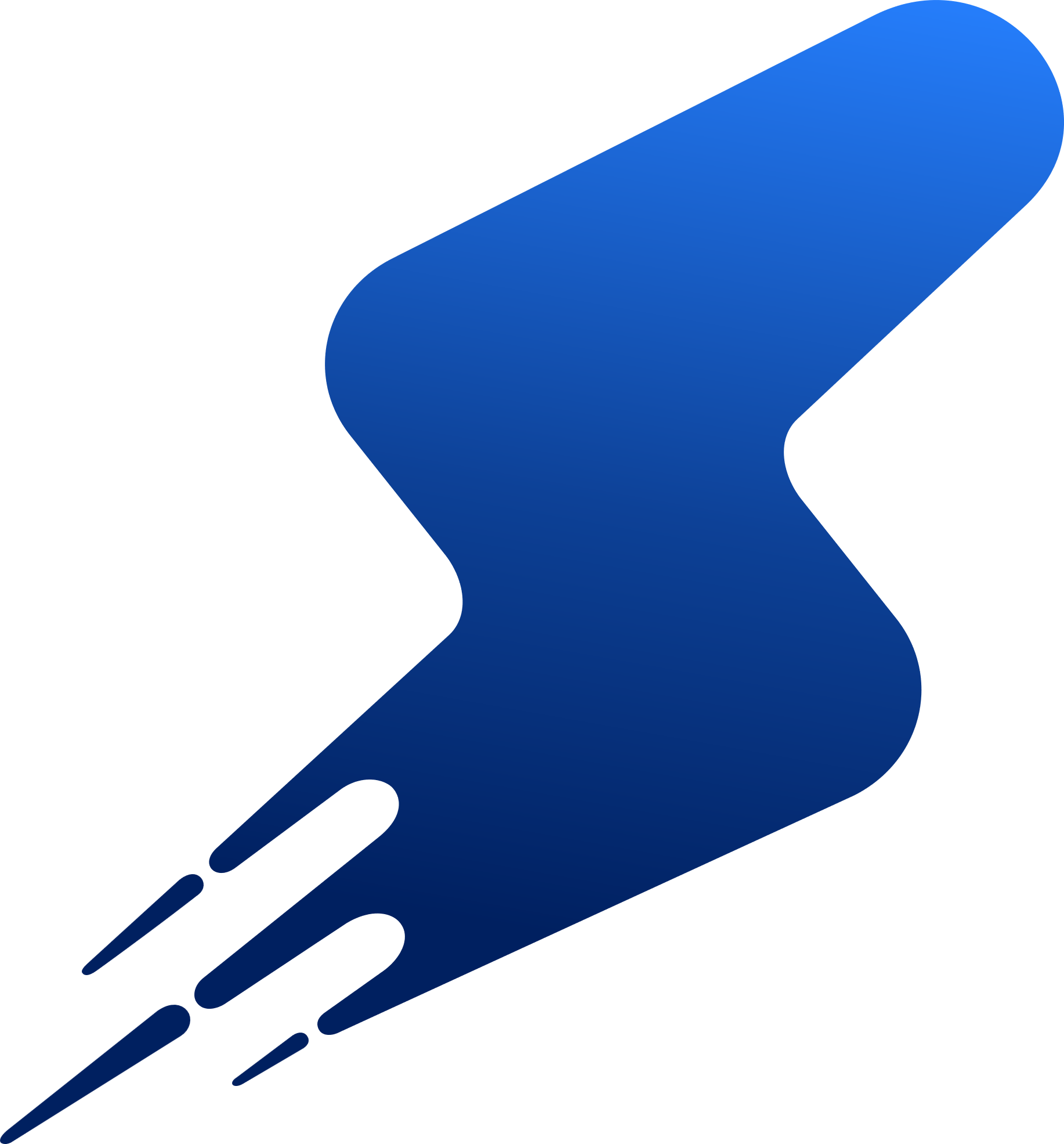
|  |  |  |  |
| --- | --- | --- | --- |
|  | **Team/Contact** | **Type** | **Description** |
| 1 | Backend Developer | Technical | Set up API integration between the app and WhatsApp Business API (via Twilio or Meta) |

1. Checklist

|  |  |  |
| --- | --- | --- |
|  | **Checklist Item** | **Response** |
| 1 | Has this functional spec been reviewed by Dev? | No |
| 2 | Has this functional spec been reviewed by UI? | No |
| 3 | Has this functional spec been reviewed by Manager? | No |
| 4 | WhatsApp Business API or Twilio API account is set up and verified | No |

1. Change and Review history

| **Date** | **Author, editor, or Reviewer** | **Description of change(s)/Comments on review** |
| --- | --- | --- |
| 31/7/2025 | Tahta (Author) | Create this quick specs document |
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