



INTERNAL PROJECT

Software Requirements Specification

sasa event

Version: 0.1

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Status: Draft

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1 Document Information

Field	Value
Project Name	sasa event
Version	0.1
Date	2025-08-07
Project Manager	TBD
Tech Lead	TBD
Qa Lead	Tester
Platforms	['Android', 'iOS']
Document Status	Draft

2 Project Overview

2.1 What Are We Building

2.1.1 System Function

A mobile application for users to discover, interact with, and manage attendance for events.

2.1.2 Users

- Event Attendee

2.1.3 Problem Solved

The application aims to provide a centralized platform for event discovery and management, which is currently hampered by critical issues such as inability to add events, faulty ticket payment systems, and login failures.

2.1.4 Key Success Metric

Increase the Overall Quality Percentage from 44.4% to over 95% by resolving all major defects.

2.2 Scope

2.2.1 In Scope

- User authentication via phone number and email.
- Event discovery and viewing upcoming event lists.
- Viewing event details.
- Ticket payment functionality.
- User profile management.
- Notification feature.
- Language selection.
- Dark mode support.
- RSVP to events.

2.2.2 Out Of Scope

- Adding new events by users (feature is missing).
- Wishlist feature (dependent on adding events).
- Ticket purchasing (dependent on adding events).



3 User Requirements

3.1 Authentication User Management

Feature Code	I Want To	So That I Can	Priority	Notes
FT-AUTH-LOGIN-PHONE	Log in successfully using my phone number	Access the application's features.	Must	This functionality is currently passing on both Android and iOS.
FT-AUTH-LOGIN-EMAIL	Log in successfully using my email and password	Access the application's features.	Must	This is a critical failure point. 'Couldn't login with an email' (Bug ID 010). It fails on both Android and iOS.
FT-AUTH-LOGOUT	Log out of the application	Securely end my session.	Must	This functionality is currently passing on both Android and iOS.

3.2 Core Business Features

Feature Code	I Want To	So That I Can	Priority	Notes
FT-EVENT-VIEW-LIST	View a list of upcoming events	Discover what is happening.	Must	This functionality is currently passing on both Android and iOS.

Feature Code	I Want To	So That I Can	Priority	Notes
FT-EVENT-VIEW-DETAILS	View the full details of a specific event	Get all the necessary information like description, location, and host.	Must	This passes on Android but causes the app to crash on iOS ('Sasa event crashed').
FT-EVENT-ADD	Add a new event to the platform	Share it with other users.	Must	Critical missing feature. 'There is no feature for adding an event' (Bug ID 001). This prevents core functionality.
FT-TICKET-PAY	Pay for an event ticket	Secure my attendance.	Must	Major failure. The payment screen shows 'coming soon' on Android. Also reported as 'Payment problem with cash method' (Bug ID 004).

3.3 Additional Features

Feature Code	I Want To	So That I Can	Priority	Notes
FT-PROFILE-VIEW	View my user profile information	Check my details like name and mobile number.	Should	This functionality is currently passing on both Android and iOS.
FT-EVENT-RSVP	RSVP to an event	Indicate my intention to attend.	Should	This feature is not runnable. On Android, the button is

Feature Code	I Want To	So That I Can	Priority	Notes
				missing. On iOS, it causes the app to crash.
FT-UI-DARKMODE	Change the app to dark mode	Use the app comfortably in low-light conditions.	Should	Fails on both platforms. Not all screens change to dark, and some words aren't visible (Bug ID 008).
FT-UI-LANGUAGE	Change the application language	Use the app in my preferred language.	Should	Fails or is not runnable. On Android, it shows a grey screen. On iOS, not all words change (Bug ID 011).
FT-APP-NOTIFICATIONS	View notifications	Stay updated on event-related news.	Should	Major failure. The notification button does not work on either platform (Bug ID 005).

4 Detailed Feature Requirements

4.1 Ft Auth Login Email

4.1.1 Priority

Must Have

4.1.2 User Story

As a user with a valid email and password, I want to log in to the app so I can access its features.

4.1.3 Preconditions

A user with a valid email and password exists.

4.1.4 Postconditions

The user is successfully logged in and redirected to the dashboard or event list.

4.1.5 Test Cases

Id	Description	Weight
AUTH-TC-001	Failed login with valid email and password.	High

4.2 Ft Event Add

4.2.1 Priority

Must Have

4.2.2 User Story

As a user, I want to post an event so that other users can see it.

4.2.3 Preconditions

The user is successfully logged in.

4.2.4 Postconditions

The new event is posted and visible to other users.

4.2.5 Test Cases

Id	Description	Weight
EVENT-TC-001	Could not post an event as it is posted through Sasa Chat app.	High

4.3 Ft Ticket Pay

4.3.1 Priority

Must Have

4.3.2 User Story

As a user, I want to complete a ticket payment so I can attend an event.

4.3.3 Preconditions

The user is viewing an upcoming event.

4.3.4 Postconditions

The user is directed to a secure payment gateway, completes the transaction, and receives a confirmation and ticket.

4.3.5 Test Cases

Id	Description	Weight
EVENT-TC-005	Ticket payment screen displayed 'coming soon'.	High

4.4 Ft Event View Details

4.4.1 Priority

Must Have

4.4.2 User Story

As a user, I want to tap on an event to see its details without the app crashing.

4.4.3 Preconditions

An active event exists in the app.

4.4.4 Postconditions

The event details page is displayed, showing full information.

4.4.5 Test Cases

Id	Description	Weight
EVENT-TC-003	The app keeps crushing and closing completely.	High

5 Technical Requirements

5.1 Performance Standards

Requirement	Target	How To Test
App Stability	Zero crashes during core user flows (viewing events, navigation).	Execute test cases for event management and navigation on iOS.
App load	≤ 3s	Stopwatch on target devices

5.2 Platform Requirements

Platform	Minimum Version	Target Version	Notes
Android	Android 9 (API 28)	Latest	Testing was performed on an AQUOS sense3 plus.
iOS	iOS 14	Latest	Testing was performed on an iPhone 11 plain.

5.3 Security Privacy

Requirement	Must Have	Implementation
User data encryption	True	AES-256 at rest; TLS 1.2+ in transit
Privacy Policy and Terms of Use	True	The content of the privacy policy and terms of use must match the app's functionality (Bug ID 007).

6 External Dependencies

6.1 Third Party Services

Service	What It Does	Criticality	Backup Plan
Payment Gateway	Processes ticket payments.	Critical	The feature is not yet implemented. A provider needs to be selected and integrated.
Sasa Chat app	Currently the only way to post an event.	High	Implement a native event creation feature within the 'sasa event' app.



7 Release Planning

7.1 Development Phases

Phase	Features Included	Timeline	Success Criteria
Phase 1 (Critical Fixes)	['FT-AUTH-LOGIN-EMAIL (fix)', 'FT-EVENT-ADD (implement)', 'FT-TICKET-PAY (implement)', 'FT-EVENT-VIEW-DETAILS (iOS crash fix)', 'FT-APP-NOTIFICATIONS (fix)']	4 weeks	All 'Must' priority features are functional and pass testing on both Android and iOS. Overall Quality score > 80%.
Phase 2 (Should Fixes & UI Polish)	['FT-EVENT-RSVP (implement/fix)', 'FT-UI-DARKMODE (fix)', 'FT-UI-LANGUAGE (fix)', 'Fix all minor bugs (002, 006, 007, 009, 011)']	4 weeks	All features are fully functional. No critical or major bugs remain. Overall Quality score > 95%.

7.2 Release Checklist

- All Must-Haves complete and functional
- No critical bugs as identified in the report
- Performance baselines met (especially no crashes on iOS)
- Payment gateway successfully integrated and tested
- Privacy policy and terms of use content verified

8 Risks Assumptions

8.1 Risks

Risk	Probability	Impact	Mitigation
Inability to implement a native event-adding feature, making the app dependent on 'Sasa Chat app'.	High	High	Prioritize the development of a native event creation module.
Payment gateway integration is complex and causes delays.	Medium	High	Begin research and selection of a payment provider early; allocate sufficient development and testing time.
Persistent stability issues on iOS lead to a poor user experience and negative reviews.	High	High	Allocate dedicated iOS development resources to specifically address and resolve all identified crashes.

8.2 Assumptions

- The 'Sasa Chat app' dependency for adding events is a temporary workaround and not a long-term solution.
- Users expect standard features like dark mode and language switching to work correctly.
- The target users have access to digital payment methods.

9 Market Specific Considerations

9.1 Primary Market

- General

9.2 Target Demographics

- Users looking for local events

9.3 Payment Preferences

Preference	Value
Mobile Money	TBD
Cash	TBD
Cards	TBD

10 Sign Off

10.1 Approval

Role	Name	Signature	Date

10.2 Document History

Version	Date	Changes Made	Changed By
0.1	2025-08-07	Initial draft created from testing report.	Gemini System Designer



11 Additional Context

11.1 Success Metrics

11.1.1 Customer Acquisition

1,000 active users within 3 months of relaunch.

11.1.2 Partner Signups

N/A

11.1.3 Daily Orders

50 successful ticket transactions per day within 3 months.

11.1.4 Customer Satisfaction

≥ 4.0-star rating on app stores.

11.1.5 Order Success Rate

≥ 98% successful payment transactions.

11.1.6 Average Delivery Time

N/A