

Push Notification Feature Requirements Document

Version: 1.0

Date: [Insert Date]

Author: [Insert Name/Team]

1. Overview

This document outlines the feature requirements for implementing push notifications in [Product Name]. Push notifications will enable real-time communication to users, providing timely updates and engagement.

2. Objectives

- Deliver relevant notifications to user devices in real time
- Increase user engagement with timely alerts
- Allow users to manage their notification preferences

3. User Stories

1. As a user, I want to receive push notifications for important updates.
2. As a user, I want to control which types of notifications I receive.
3. As an admin, I want to send targeted notifications to specific user groups.

4. Functional Requirements

- Support for push notifications on iOS, Android, and Web platforms
- Opt-in/opt-out interface for users
- Notification content should support title, message body, and action (optional)
- Ability to send notifications to all users or selected segments
- Notification log/history in user account settings

5. Non-Functional Requirements

- High message delivery reliability
- Low latency (< 5 seconds expected delivery)
- Compliant with privacy and data protection regulations

6. Notification Types

Type	Description	Platform
Promotional	Marketing and promotional content	Mobile, Web
Transactional	Order status, payment, or account updates	Mobile, Web
System	Critical alerts and system updates	Mobile, Web

7. User Preferences

- UI for enabling/disabling notifications globally
- Granular toggles for each notification type
- Option to unsubscribe from all notifications

8. API Requirements

- API endpoint to send push notifications
- API to update and fetch user preferences
- Secure authentication for admin/API usage

9. Success Metrics

- Notification delivery rate > 98%
- User opt-in rate to notifications
- Click-through and engagement rates

10. Open Questions

- Maximum payload size per notification?
- Integration with existing analytics tools?
- Frequency limits for sending notifications?

11. Appendix

- References
- Change Log