

Functional Requirements Specification (FRS)

Project: Hindu Business Community (HBC)

Prepared For: Client Approval

Prepared By: Development Team

1. Introduction

This document outlines the Functional Requirements Specification for the Hindu Business Community (HBC) web application. It is intended to serve as a contract between the development team and the client. It defines the scope, features, and functional expectations of the system.

2. Modules Overview

2.1 Business Listings & Registration

This module includes the following functional areas:

- - Self-Registration for Hindu Business Owners
- - Business Directory & Search

2.2 Lead Management & Monetization

This module includes the following functional areas:

- - Lead Capture System
- - Lead Pricing & Credit System

2.3 Optional & Engagement Features

This module includes the following functional areas:

- - WhatsApp Chat Integration
- - Business Greetings with Audio/Video
- - Hindu Calendar Business Planning
- - Event & Offer Announcements
- - Festival Offers

2.4 Multilingual Support

This module includes the following functional areas:

- - Language Selection
- - Localized Content Support

2.5 Role-Based Access & Permissions

This module includes the following functional areas:

- - Role Definitions and Assignment

2.6 Future Revenue Streams & Integrations

This module includes the following functional areas:

- - Online Appointment Booking
- - eCommerce Micro-Store Integration
- - Training, Workshops, and Events Listing
- - Donation Support for Dharmic Causes

2.7 Authentication & Identity Verification

This module includes the following functional areas:

- - Login & Signup Options

2.8 Admin Analytics, Payments & Security

This module includes the following functional areas:

- - Revenue & Lead Analytics Dashboard
- - Payment Gateways & Transaction Management
- - Compliance and Payment Security

2.9 Pricing Plans & Add-Ons

This module includes the following functional areas:

- - Plan Management
- - Plan Subscription & Upgrade
- - Add-ons and Campaigns

2.10 Bonus Features for Business Growth

This module includes the following functional areas:

- - Invoices & Receipts
- - Listing Customization for Paid Plans
- - Referral System
- - Push Notifications & Email Alerts

3. Detailed Functional Requirements

3.1 Business Listings & Registration

3.1.1 Self-Registration for Hindu Business Owners

1. Requirement 3.1.1.1

Title: Owner can register business details

Description: As a business owner, I can register my profile with details like name, contact, category, etc.

Priority: High

2. Requirement 3.1.1.2

Title: Admin can approve or reject registrations

Description: As an admin, I can review submitted businesses and approve or reject them.

Priority: High

3.1.2 Business Directory & Search

3. Requirement 3.1.2.1

Title: Users can search for businesses

Description: As a user, I can search for businesses by name, category, or location.

Priority: Medium

4. Requirement 3.1.2.2

Title: Users can view business details

Description: As a user, I can view a business's contact info and description.

Priority: Medium

3.2 Lead Management & Monetization

3.2.1 Lead Capture System

5. Requirement 3.2.1.1

Title: Visitor can submit a lead

Description: As a visitor, I can submit a lead inquiry to a business.

Priority: High

6. Requirement 3.2.1.2

Title: Business owner can view received leads

Description: As a business owner, I can view leads submitted to my business.

Priority: Medium

3.2.2 Lead Pricing & Credit System

7. Requirement 3.2.2.1

Title: Admin can define lead pricing

Description: As an admin, I can set prices per lead category/region.

Priority: Medium

8. Requirement 3.2.2.2

Title: Business owner can view and buy credits

Description: As a business owner, I can view my credit balance and purchase more credits.

Priority: Medium

3.3 Optional & Engagement Features

3.3.1 WhatsApp Chat Integration

9. Requirement 3.3.1.1

Title: Enable WhatsApp chat button

Description: As a visitor, I can click a WhatsApp button to contact the business directly.

Priority: Low

3.3.2 Business Greetings with Audio/Video

10. Requirement 3.3.2.1

Title: Business can upload audio/video greetings

Description: As a business owner, I can upload an audio or video message to greet users.

Priority: Low

3.3.3 Hindu Calendar Business Planning

11. Requirement 3.3.3.1

Title: View upcoming muhurta days

Description: As a business owner, I can view recommended muhurta days for launches and events.

Priority: Low

3.3.4 Event & Offer Announcements

12. Requirement 3.3.4.1

Title: Business can post an event or offer

Description: As a business owner, I can create and display events or offers to users.

Priority: Medium

3.3.5 Festival Offers

13. Requirement 3.3.5.1

Title: Highlight festival-specific promotions

Description: As an admin, I can highlight offers during festivals on the homepage or category pages.

Priority: Medium

3.4 Multilingual Support

3.4.1 Language Selection

14. Requirement 3.4.1.1

Title: User can choose preferred language

Description: As a user, I can choose English, Telugu, or Hindi as my preferred language for browsing.

Priority: High

3.4.2 Localized Content Support

15. Requirement 3.4.2.1

Title: Business info can be saved in multiple languages

Description: As a business owner, I can enter my business name and description in English, Telugu, and Hindi.

Priority: High

16. Requirement 3.4.2.2

Title: UI elements change based on language preference

Description: As a user, the interface adjusts labels, menus, and buttons to the selected language.

Priority: High

3.5 Role-Based Access & Permissions

3.5.1 Role Definitions and Assignment

17. Requirement 3.5.1.1

Title: Define role types and their permissions

Description: As a developer, I want to define role types such as super_admin, admin, business, user, moderator, and support with specific permissions.

Priority: High

18. Requirement 3.5.1.2

Title: Assign default role to new signups

Description: As a user signing up, I should be assigned the 'user' role by default.

Priority: High

19. Requirement 3.5.1.3

Title: Upgrade role to 'business' after admin approval

Description: As an admin, I can approve a user's registration and upgrade their role to 'business'.

Priority: High

20. Requirement 3.5.1.4

Title: Restrict access to features based on role

Description: As a developer, I need to enforce access control so only authorized roles can perform specific actions.

Priority: High

21. Requirement 3.5.1.5

Title: Admin can assign or change roles

Description: As a super_admin, I can assign or change the roles of other users such as promoting to admin or support.

Priority: Medium

3.6 Future Revenue Streams & Integrations

3.6.1 Online Appointment Booking

22. Requirement 3.6.1.1

Title: Enable appointment slots for businesses

Description: As a business owner (e.g., astrologer or consultant), I can define my availability and allow users to book appointment slots.

Priority: Low

23. Requirement 3.6.1.2

Title: User can book and get confirmation

Description: As a user, I can choose a time slot, book an appointment, and receive confirmation with contact details.

Priority: Low

3.6.2 eCommerce Micro-Store Integration

24. Requirement 3.6.2.1

Title: Businesses can list products for sale

Description: As a business owner, I can create a mini store with products, prices, and stock.

Priority: Low

25. Requirement 3.6.2.2

Title: Users can view and purchase products

Description: As a user, I can browse products from a business profile and place an order.

Priority: Low

3.6.3 Training, Workshops, and Events Listing

26. Requirement 3.6.3.1

Title: Business can publish training/event details

Description: As a business owner, I can publish details about an upcoming training, workshop, or dharmic event.

Priority: Low

27. Requirement 3.6.3.2

Title: Users can view and register for events

Description: As a user, I can view events and optionally register to attend.

Priority: Low

3.6.4 Donation Support for Dharmic Causes

28. Requirement 3.6.4.1

Title: Businesses can receive donations

Description: As a dharmic business, I can set up a verified donation link or QR code for contributions.

Priority: Low

29. Requirement 3.6.4.2

Title: Users can donate to verified causes

Description: As a user, I can browse verified causes and donate securely.

Priority: Low

3.7 Authentication & Identity Verification

3.7.1 Login & Signup Options

30. Requirement 3.7.1.1

Title: User can sign up with email and password

Description: As a user, I can sign up using an email address and password to create an account.

Priority: High

31. Requirement 3.7.1.2

Title: User can login using email and password

Description: As a user, I can login with my email and password securely.

Priority: High

32. Requirement 3.7.1.3

Title: User can sign up or login with OTP

Description: As a user, I can choose to sign up or login using an OTP sent to my email address or phone number.

Priority: High

33. Requirement 3.7.1.4

Title: Verify OTP before access

Description: As a user, I must verify the OTP before I can access my account or dashboard.

Priority: High

34. Requirement 3.7.1.5

Title: Show success or error message after login

Description: As a user, I should see clear messages after login attempts succeed or fail.

Priority: Medium

35. Requirement 3.7.1.6

Title: Forgot Password with reset email

Description: As a user, I can request a password reset link via email if I forget my password.

Priority: High

36. Requirement 3.7.1.7

Title: Resend OTP with cooldown

Description: As a user, I can request to resend the OTP but only after a short cooldown to prevent abuse.

Priority: High

37. Requirement 3.7.1.8

Title: Login attempt throttling or Captcha

Description: As a developer, I want to prevent brute force attacks using login attempt limits or captcha verification.

Priority: High

3.8 Admin Analytics, Payments & Security

3.8.1 Revenue & Lead Analytics Dashboard

38. Requirement 3.8.1.1

Title: Admin can view revenue reports

Description: As an admin, I can view monthly and yearly revenue reports by payment type, plan, and category.

Priority: High

39. Requirement 3.8.1.2

Title: Admin can view lead conversion metrics

Description: As an admin, I can view stats like total leads, accepted leads, and business conversions.

Priority: High

40. Requirement 3.8.1.3

Title: Admin dashboard with category-wise insights

Description: As an admin, I can filter analytics by business category, time period, and region.

Priority: Medium

3.8.2 Payment Gateways & Transaction Management

41. Requirement 3.8.2.1

Title: Integrate multiple payment methods

Description: As a business user, I can pay using UPI, cards, wallets, or net banking.

Priority: High

42. Requirement 3.8.2.2

Title: Admin can track transactions and refunds

Description: As an admin, I can view all transactions, refunds, and failed payment logs.

Priority: High

3.8.3 Compliance and Payment Security

43. Requirement 3.8.3.1

Title: Ensure PCI-DSS compliance

Description: As a developer, I must follow PCI-DSS compliance standards when handling card data.

Priority: High

44. Requirement 3.8.3.2

Title: Secure payment-related APIs and webhooks

Description: As a developer, I must secure APIs/webhooks with token validation and HTTPS enforcement.

Priority: High

45. Requirement 3.8.3.3

Title: Add audit logs for payments and admin actions

Description: As an admin, I want to see detailed logs of all financial operations and critical changes.

Priority: Medium

3.9 Pricing Plans & Add-Ons

3.9.1 Plan Management

46. Requirement 3.9.1.1

Title: Define pricing plans for business listings

Description: As an admin, I can create and manage plans like Free, Silver, Gold, and Platinum with different features, prices, and limits.

Priority: High

47. Requirement 3.9.1.2

Title: Display comparison matrix of plans

Description: As a user, I can view a clear matrix comparing the features of each plan before selecting one.

Priority: High

3.9.2 Plan Subscription & Upgrade

48. Requirement 3.9.2.1

Title: User can subscribe to a plan

Description: As a business owner, I can subscribe to a selected plan and activate additional listing features.

Priority: High

49. Requirement 3.9.2.2

Title: User can upgrade or renew plan

Description: As a business owner, I can upgrade my plan to a higher tier or renew my current plan before it expires.

Priority: Medium

3.9.3 Add-ons and Campaigns

50. Requirement 3.9.3.1

Title: Purchase additional lead credits

Description: As a business owner, I can buy extra lead credits in packs like 10 or 50 based on my need.

Priority: Medium

51. Requirement 3.9.3.2

Title: Participate in festival offer campaigns

Description: As a business owner, I can pay to participate in special festival promotions run by the admin.

Priority: Medium

52. Requirement 3.9.3.3

Title: Buy banner ad slots

Description: As a business owner, I can purchase banner ad slots for homepage or category pages for fixed durations.

Priority: Medium

3.10 Bonus Features for Business Growth

3.10.1 Invoices & Receipts

53. Requirement 3.10.1.1

Title: Auto-generate invoice on payment

Description: As a business owner, I automatically receive an invoice PDF after each payment, including GST and billing details.

Priority: Medium

3.10.2 Listing Customization for Paid Plans

54. Requirement 3.10.2.1

Title: Custom colors and logo for listings

Description: As a premium business user, I can customize my listing's background, logo, and badge color to stand out in results.

Priority: Medium

3.10.3 Referral System

55. Requirement 3.10.3.1

Title: Refer and earn credits

Description: As a user or business owner, I can refer others to join HBC and earn lead credits or discounts when they subscribe.

Priority: Medium

3.10.4 Push Notifications & Email Alerts

56. Requirement 3.10.4.1

Title: Notify users of local updates

Description: As a user, I receive alerts for nearby business events, campaigns, or new listings based on my preferences.

Priority: Medium

4. Sign-Off

By signing below, the client agrees to the functional specifications outlined in this document.

Client Name: _____

Signature: _____

Date: _____