

## **Product Requirements Document (PRD)**

### **i. Overview**

Netwify is a mobile-first networking application designed to replace traditional paper business cards at events. It enables professionals to exchange digital business cards via QR code scanning, build verified mutual connections, and leverage AI to remember context and generate high-quality follow-up messages.

The MVP focuses on fast connection exchange, mutual consent, and AI-assisted relationship management.

### **ii. Problem Statement**

Professionals attending events face the following challenges:

- Paper business cards are easily lost or forgotten
- Phone contact saving is slow and error-prone
- No context is retained about where or why a contact was met
- Follow-ups are often delayed, generic, or never sent

### **iii. Solution**

Netwify provides:

- Instant QR-based digital card exchange
- Mutual consent before contacts are saved
- Smart AI-generated summaries to preserve meeting context
- AI-assisted personalized follow-up message generation

### **iv. Vision & Mission**

**Vision:** To become the default global infrastructure for professional networking—replacing paper business cards, fragmented contact saving, and forgotten follow-ups.

**Mission:** Help people turn real-world meetings into meaningful, trackable, and lasting professional relationships using smart identity exchange and AI-powered context.

## **Netwify – Mobile MVP (AI Vibe Coding Ready)**

**Audience:** AI vibe-coding / autonomous development platforms

**Goal:** Generate a fully working React Native (Expo) mobile MVP using Firebase as backend.

This document is explicit, structured, and implementation-oriented. The AI system should not invent features outside this scope.

### **1. Product Summary**

**Product Name:** Netwify

**Product Type:** Mobile networking app (Digital business cards + AI follow-ups)

**Platforms:** iOS & Android (single codebase)

**Framework:** React Native + Expo Go

**Backend:** Firebase (Auth, Firestore, Storage, Cloud Functions)

**AI:** External LLM API (abstracted service)

### **2. Product Objective (MVP)**

Build a mobile app that allows users at events to:

1. Create a digital business card
2. Exchange cards via QR scan
3. Form mutual connections
4. Preserve meeting context automatically
5. Generate AI-powered contact summaries
6. Generate personalized follow-up messages

**Core principle:** Fast, consent-based, and human-controlled networking.

### **3. Target User**

- Professionals attending networking events
- Founders, freelancers, developers, designers, sales reps

### **4. Tech Stack (MANDATORY)**

#### **Frontend**

- React Native
- Expo Go

- TypeScript
- React Navigation

### **Backend (Firebase)**

- Firebase Authentication
- Cloud Firestore
- Firebase Storage
- Firebase Cloud Functions
- Firebase Cloud Messaging (notifications)

### **AI Layer**

- External LLM API (Groq API)
- Accessed ONLY via Cloud Functions

## **5. App Navigation Structure**

Bottom Tab Navigation:

- Home
- Scan
- Contacts
- Profile

Stack navigation within each tab where needed.

## **6. Screen Requirements (Detailed)**

### **6.1 Splash Screen**

**Purpose:** App initialization

- Logo
- Loading indicator

### **6.2 Onboarding (3 Screens)**

1. Value proposition
2. How it works (QR → Connect → Follow-up)

### 3. Consent & privacy assurance

CTA: **Get Started**

## 6.3 Authentication

- Email + password
- Google Sign-In

**Firebase Auth rules:**

- Email verification optional for MVP

## 6.4 Create Digital Card

Fields:

- Full name
- Job title
- Company
- Phone
- Email
- LinkedIn URL
- Profile photo

Actions:

- Save card
- Generate QR code

QR must be usable offline.

## 6.5 Home Screen

Elements:

- Primary button: Show My QR
- Secondary button: Scan QR
- Recent connections list
- Notification badge

## **6.6 My QR Code Screen**

- Large QR code
- Name + role
- Share QR as image

## **6.7 Scan QR Screen**

- Camera QR scanner
- Flash toggle

Flow:

- Scan → Profile preview → Send connection request

## **6.8 Connection Request Screens**

### **Outgoing Preview:**

- Profile being scanned
- Send request

### **Incoming Request:**

- Accept / Decline

No auto-saving without acceptance.

## **6.9 Contacts Screen**

- List of accepted connections
- Search bar
- Filter by date

## **6.10 Contact Detail Screen (AI-Enhanced)**

Sections:

- Contact info
- Event/context (manual for MVP)

### **Smart Contact Summary (AI)**

- Auto-generated 1–2 sentence summary

- Buttons: Regenerate | Edit | Disable

### **Notes**

- Manual notes input

### **Follow-Up**

- Button: Generate Follow-Up (AI)
- Reminder (local notification)

### **6.11 AI Follow-Up Generator Screen**

Inputs:

- Channel: Email | WhatsApp | LinkedIn
- Tone: Friendly | Professional

Output:

- Editable message text

Actions:

- Regenerate
- Copy

AI must never send messages automatically.

### **6.12 Notifications Screen**

- Connection requests
- Accepted connections
- Reminder alerts

### **6.13 Profile & Settings**

- Edit digital card
- Privacy controls
- Logout

## **7. Firebase Data Models**

**users**

- uid
- fullName
- email
- createdAt

#### **digitalCards**

- cardId
- uid
- jobTitle
- company
- phone
- linkedin

#### **connections**

- connectionId
- requesterId
- receiverId
- status
- createdAt

#### **contactSummaries**

- summaryId
- connectionId
- summaryText
- aiGenerated

#### **followUps**

- followUpId
- connectionId
- channel

- tone
- messageText

## **8. AI Functional Requirements**

### **Smart Summary AI**

**Trigger:** On connection acceptance

**Input:**

- User card
- Contact card
- Notes

**Output:** 1–2 sentence summary

### **Follow-Up AI**

**Trigger:** User clicks Generate Follow-Up

**Input:**

- Summary
- Channel
- Tone

**Output:** Editable message

## **9. AI Prompt Templates**

### **Summary Prompt**

"Summarize who this person is and why they matter professionally based on the meeting context. Keep it to 2 sentences."

### **Follow-Up Prompt**

"Write a {tone} follow-up message suitable for {channel}. Keep it natural and professional."

## **10. Security & Privacy Rules**

- All Firestore access must be user-scoped
- Users can only view their own connections



- AI requests must go through Cloud Functions

### **11. Performance Requirements**

- App launch <2s
- AI response <5s
- QR scan <1s

### **12. Out of Scope (Strict)**

- Web app
- CRM integrations
- Team accounts
- NFC
- Auto-messaging

### **13. Final Instruction to AI Coding Platform**

Build this mobile MVP exactly as specified using React Native (Expo) and Firebase.

Do not add features.

Default to privacy-first, consent-based behavior.

This PRD is the **single source of truth** for Netwify MVP.