

Product Requirements Document

Module 1: User Registration & Login

Project: QuickBites – Food Ordering & Delivery Platform

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Version: 1.0

1. Feature Overview

The User Registration & Login feature enables new users to sign up and existing users to log in securely to QuickBites using phone, email, or social login.

2. Persona & Goals

Primary Persona: Customer (age 18–45)

- Wants fast login
- Wants secure access
- Wants minimal steps

Goals:

- Log in quickly
- Avoid password complexity
- Recover account easily

3. Problem Statement

Users abandon apps when login is slow or requires too many steps. QuickBites must offer a fast, OTP-based login system.

4. Feature Description

The login system will support:

- Phone number + OTP login
- Email login (optional)
- Google/Apple social login (future)
- Profile creation after login

5. User Stories

US1 – Phone Login

As a user, I want to log in using my phone number so I can access the app quickly.

US2 – OTP Verification

As a user, I want to receive an OTP to verify my identity securely.

US3 – Profile Setup

As a user, I want to add my name, email, and address during profile creation.

US4 – Auto-Login

As a user, I want the app to remember my login so I don't have to log in every time.

6. Acceptance Criteria

AC1: OTP Delivery

Given a user enters a valid mobile number

When they request OTP

Then system must send OTP within 5 seconds

AC2: Incorrect OTP

Given user enters wrong OTP

When verifying

Then system must show validation error

AC3: Auto-Login

User should remain logged in for 30 days unless manually logged out.

7. Functional Requirements

FR1: Phone Number Input

- Must validate 10-digit mobile number
- Show error for invalid format

FR2: OTP Handling

- Generate OTP
- Send OTP
- Validate OTP
- Retry option after 30 seconds

FR3: Login Session

- Maintain secure session
- Auto-login token stored locally (encrypted)

FR4: Profile Creation

- User must provide name & email
- Optional: Address during onboarding

8. Non-Functional Requirements

- OTP delivery success rate must be > **95%**
- OTP expiry: **5 minutes**
- Response time: < **3 seconds** per request
- System uptime: **99.5%**

9. User Flow

1. User enters mobile number
2. System validates number
3. OTP sent
4. User enters OTP
5. System verifies OTP
6. If new user → profile setup
7. User enters app home screen

10. Assumptions

- User provides valid mobile number
- SMS provider is functioning
- User has stable internet

11. Dependencies

- SMS gateway provider
- Backend auth service
- Device OS permissions

12. Success Metrics

- Login success rate > 90%
- OTP delivery < 5 seconds
- Onboarding completion > 70%
- Drop-off from login < 15%

13. Risks & Mitigations

Risk	Mitigation
OTP delay	Use backup SMS provider
User enters wrong number	Add number confirmation step
Auto-login failure	Refresh session tokens automatically

14. Out of Scope

- Password-based login
- Multi-factor authentication
- Social login (future release)