

HelloAgain - Product Requirements Document (PRD)

Document Information

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Product Overview

Product Name

HelloAgain

Product Vision

HelloAgain is a personalized connection management application that helps users maintain meaningful relationships with friends, family, and acquaintances by storing important information, tracking life updates, and facilitating thoughtful, timely communication through AI-assisted reminders and conversation starters.

Target Audience

- Individuals looking to maintain connections with friends and family
- Professionals managing personal networks
- People who want to be more thoughtful and deliberate about personal relationships
- Users who struggle to remember important dates and personal details

Key Value Propositions

- Never forget an important birthday or milestone
- Keep track of friends' life updates and significant events
- Receive AI-generated personalized message suggestions for special occasions
- Get intelligent prompts for meaningful check-ins with your connections

Technical Architecture

Frontend

- **Framework:** React

- **Mobile Responsiveness:** Required for all pages
- **Accessibility:** WCAG 2.1 AA compliance
- **Supported Browsers:** Chrome, Firefox, Safari, Edge (latest two versions)
- **Design System:** Material UI or custom component library

Backend

- **Framework:** Python with Flask
- **API:** RESTful API with JSON responses
- **Authentication:** Firebase Authentication
- **Database:** MongoDB
- **Email Service:** Configurable email service integration
- **Scheduling:** Celery for task scheduling
- **AI Integration:** OpenAI API or similar LLM service

Functional Requirements

1. User Authentication and Profile Management

- **1.1** Users shall be able to register using email/password or social authentication
- **1.2** Users shall be able to reset their password via email
- **1.3** Users shall have a profile page with basic information
- **1.4** Users shall be able to manage notification preferences
- **1.5** Users shall be able to set their timezone for accurate reminders

2. Contact Management

- **2.1** Users shall be able to manually add contacts with the following fields:
 - Full Name (required)
 - Nickname (optional)
 - Phone Number (optional)
 - Email Address (optional)
 - Birthday (optional)
 - Relationship type/category (optional)
 - Custom fields (optional)
- **2.2** Users shall be able to edit and delete contacts

- **2.3** Users shall be able to categorize contacts into groups
- **2.4** Users shall be able to search and filter contacts
- **2.5** Users shall be able to add profile pictures for contacts (optional)

3. Life Updates and Events Tracking

- **3.1** Users shall be able to add life events and updates for contacts, including:
 - Event type (predefined options: marriage, new job, graduation, etc. or custom)
 - Date of event
 - Description/notes
 - Associated media (optional)
- **3.2** Users shall be able to view a chronological timeline of events for each contact
- **3.3** Users shall be able to edit and delete events
- **3.4** Users shall receive a notification to add updates after indicating contact with a friend

4. AI-Powered Message Generation

- **4.1** System shall generate personalized birthday messages based on:
 - Contact's personal information
 - Previous life updates and events
 - Relationship context
 - User's communication style
- **4.2** Users shall be able to edit AI-generated messages before sending
- **4.3** Users shall be able to save message templates for future use
- **4.4** System shall learn from user edits to improve future suggestions

5. Check-in Reminders and Conversation Starters

- **5.1** System shall suggest periodic check-ins with contacts based on:
 - User-defined frequency preferences
 - Last contact date
 - Relationship importance (as defined by user)
- **5.2** System shall generate AI-powered conversation starters based on:
 - Previous conversations and updates
 - Shared interests
 - Recent life events

- Seasonal/timely topics
- **5.3** Users shall be able to schedule check-in reminders
- **5.4** Users shall be able to snooze or dismiss check-in suggestions

6. Notification System

- **6.1** System shall send notifications for:
 - Upcoming birthdays (configurable: 1 day, 3 days, 1 week in advance)
 - Scheduled check-in reminders
 - Special occasions (anniversaries, etc.)
- **6.2** Users shall be able to choose notification methods:
 - In-app notifications
 - Email notifications
 - Push notifications (mobile)
- **6.3** Users shall be able to customize notification frequency and timing

Non-Functional Requirements

1. Performance

- **1.1** Page load time shall not exceed 2 seconds on standard connections
- **1.2** API responses shall be returned within 500ms
- **1.3** Email notifications shall be delivered within 5 minutes of trigger
- **1.4** AI-generated content shall be produced within 3 seconds

2. Security and Privacy

- **2.1** All personal data shall be encrypted at rest and in transit
- **2.2** Contact information shall never be shared with third parties
- **2.3** User authentication shall use industry-standard security practices
- **2.4** System shall comply with GDPR and CCPA requirements
- **2.5** Users shall be able to export and delete all their data

3. Scalability

- **3.1** System shall support up to 100,000 users in the initial release
- **3.2** Database shall be designed to efficiently handle up to 1,000 contacts per user

- **3.3** Email service shall support sending up to 50,000 emails per day

4. Reliability

- **4.1** System uptime shall be 99.9% or higher
- **4.2** Scheduled notifications shall have a delivery success rate of 99.5% or higher
- **4.3** Daily backups shall be performed for all user data

User Interface Requirements

1. Dashboard

- **1.1** Overview of upcoming birthdays and events
- **1.2** Suggested check-ins for the day/week
- **1.3** Quick access to recently viewed contacts
- **1.4** Activity summary (messages sent, updates added, etc.)

2. Contact List View

- **2.1** Sortable and filterable list of all contacts
- **2.2** Search functionality by name, group, or tag
- **2.3** Quick action buttons (message, edit, add update, etc.)
- **2.4** Visual indicators for contacts with upcoming birthdays

3. Contact Detail View

- **3.1** Complete contact information display
- **3.2** Timeline of life updates and events
- **3.3** History of interactions and messages
- **3.4** Action buttons for communication and reminders

4. Add/Edit Contact Form

- **4.1** Intuitive form for entering all contact information
- **4.2** Field validation with helpful error messages
- **4.3** Option to add custom fields based on contact type

5. Message Generation Interface

- **5.1** Preview of AI-generated message

- **5.2** Editing capabilities with rich text formatting
- **5.3** Option to save as template or send immediately
- **5.4** Access to previous message history

Integration Requirements

1. Email Service Integration

- **1.1** Support for multiple email service providers
- **1.2** Configurable templates for different message types
- **1.3** Email tracking and delivery status reporting

2. LLM/AI Integration

- **2.1** Integration with OpenAI API or similar service
- **2.2** Context management for personalized content generation
- **2.3** Feedback loop for improving AI suggestions

3. Calendar Integration (Future Enhancement)

- **3.1** Optional integration with Google Calendar, Apple Calendar, etc.
- **3.2** Two-way sync of important dates and reminders

Analytics and Reporting

1. User Engagement Metrics

- **1.1** Contact addition and update frequency
- **1.2** Message send rates and patterns
- **1.3** Feature usage statistics

2. Personal Connection Insights

- **2.1** Visualization of contact frequency by person/group
- **2.2** Relationship strength indicators based on interaction
- **2.3** Suggested connections that may need attention

Milestone Plan

Phase 1: MVP Release (3 months)

- Basic user authentication and profile

- Manual contact management
- Birthday tracking and simple reminders
- Fundamental AI message generation

Phase 2: Enhanced Features (3 months post-MVP)

- Life updates and event tracking
- Improved AI message personalization
- Check-in suggestions with conversation starters
- Advanced notification preferences

Phase 3: Advanced Features (6 months post-MVP)

- Analytics and relationship insights
- Calendar integrations
- Advanced AI personalization
- Mobile app development

Evaluation Criteria

The success of HelloAgain will be measured by:

- User retention rates (>70% after 3 months)
- Message send rates (>60% of suggested messages)
- User satisfaction scores (>4.2/5 in surveys)
- Growth in contact additions and updates per user
- Completion rate of AI-suggested check-ins

Open Issues and Questions

- LLM provider selection and cost structure
- Data retention policies and compliance requirements
- Push notification implementation approach for web application
- Potential social features for future releases