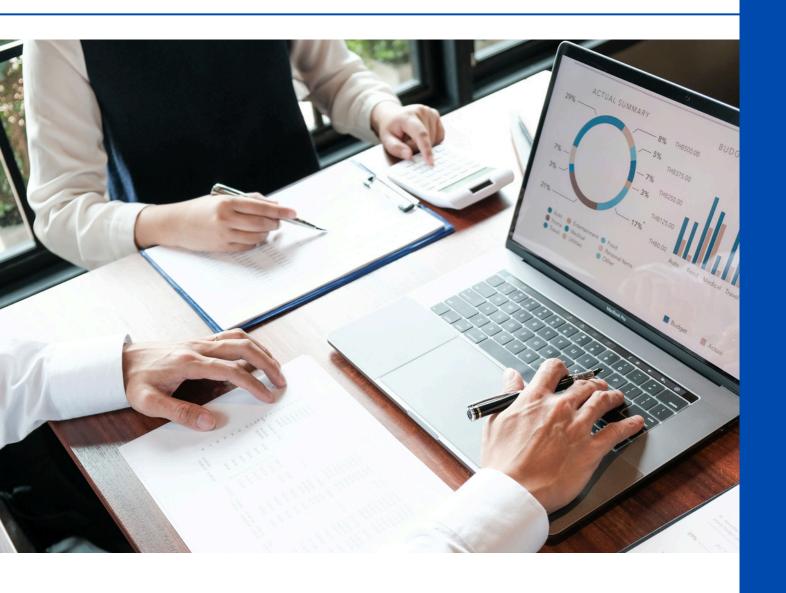# Web Application Proposal

Blaze Web Application Proposal

1. Executive Summary

This proposal outlines the development of **Blaze**, a cutting-edge web application designed to connect individuals seeking co-founders for their entrepreneurial and innovative projects. The platform will incorporate a robust user authentication system, an intelligent matching algorithm, and a real-time chat system. Utilizing modern technology stacks, this application will ensure seamless scalability, security, and performance to meet corporate standards.

2. Project Scope

Blaze will provide a dynamic environment for professionals, students, and entrepreneurs to collaborate effectively. The primary components include:

2.1 User Authentication System
- Secure email and password-based login
- Password recovery and reset functionality
- Two-Factor Authentication (2FA) for enhanced security (Not Included)
- Role-based access control and user session management

2.2 Matching Algorithm
- Intelligent matching based on skills, interests, and preferences
- Uses multi-parameter filtering: tags, locations, industry, and academic background
- Assigns unique user ID at sign-up for identification and tracking
- Weighted scoring system for compatibility (out of 10):
    - Major - 15% (complementary matching)
    - Location - 30% (proximity-based matching)
    - Interest - 15% (similarity-based matching)
    - Relevant Skills - 30% (complementary matching)
    - Co-Founder Requirements - 10% (specific needs alignment)
- Dynamic ranking to optimize best possible matches
- Empty fields are excluded from the matching process to maintain accuracy

2.3 Real-Time Chat System

- Instant messaging functionality with end-to-end encryption
- File-sharing capabilities for efficient document exchange
- Integration of emojis and reactions for enhanced user engagement
- Read receipts to track communication status

3. Core Application Features and Pages

3.1 Homepage

- Engaging tagline: "Find your co-founder and build the next big thing."
- Quick access to sign-up and login options
- Overview of platform capabilities and benefits

3.2 Sign-Up / Log-In Page

- Collects essential user details including:
  - Name
  - Year of Study
  - Major
  - Institution
  - Relevant skills/certifications
  - Industry interests
  - Location
  - Email and phone number
  - Specific co-founder requirements

3.3 My Profile Page

- Displays user experience, expertise, and projects
- Option to upload portfolio/resume
- Visibility settings for public and private profiles

3.4 Matching Page

- Displays suggested connections based on compatibility score
- Ability to send, accept, or decline co-founder requests
- Filtering options for refining search results

3.5 Messaging Page
- Seamless communication with matched users
- Ability to initiate conversations and collaborate
- Archive and search message history

3.6 Settings Page
- Customization dashboard for user preferences
- Notification and privacy settings
- Profile visibility controls for enhanced security
- Data export/import functionality

4. Technology Stack

Blaze will be developed using the following technology stack:

4.1 Frontend Technologies
- React.js for a responsive and dynamic UI
- Tailwind CSS for modern, scalable styling
- WebSockets for real-time interactions

4.2 Backend Technologies
- Node.js with Express.js for high-performance server handling
- Mysql or MongoDB for scalable database management
- Firebase Authentication for secure user verification (Not Included)

4.3 Additional Integrations
- AWS or Google Cloud for cloud storage and hosting
- Twilio for SMS-based Two-Factor Authentication (Not Included)
- Redis for session management and caching

5. Development Timeline and Pricing

5.1 Development Timeline

Phase	Duration
Requirments Gathering & Planning	1 Week
Backend & Database Development	2 Weeks
Frontend Development	1 Week
Integration & Testing	1 Week
Deployment & Maintenance	Ongoing

5.2 Pricing
The estimated cost for the development of this application varies based on features and timeline:
- As per Above Features: $2500
- Additional Features charged based on complexity

6. Terms & Conditions

6.1 General Terms
- The project will be developed as per the agreed scope and timeline
- Additional features beyond the scope will incur extra charges
- The client must provide the domain and cloud infrastructure for deployment

6.2 Payment Terms
- $1,500 upfront payment required to begin development
- A functional demo will be presented before the final payment
- $1,000 final payment due within 15-20 days after the demo
- Bug fixing and final optimizations will be included in the initial development package

6.3 Intellectual Property Rights
- Upon full payment, the client owns the final product and source code
- The development team may showcase the project in portfolios unless explicitly restricted

6.4 Security & Compliance
- Blaze will adhere to global security standards
- Data encryption and GDPR compliance will be implemented
- End-to-end encryption can be provided upon request

6.5 Future Updates & Maintenance
- Updates start at $500 (due to required data migration and security enhancements)
- Support and maintenance contracts can be purchased separately
- System scalability and future feature integration will be planned in advance

6.6 Deployment Responsibilities
- Domain & cloud hosting must be provided by the client before deployment
- The development team will ensure a smooth migration and setup

6.7 Support & Maintenance
- One month of free support after deployment
- Post-support, maintenance is available at $250 per month

7. Conclusion

Blaze is a next-generation collaboration platform designed to connect entrepreneurs and professionals seamlessly. With an intelligent matching algorithm, real-time chat, and secure authentication, this solution will empower users to find the perfect co-founder and turn their ideas into reality.

We look forward to bringing this innovative platform to life and delivering an industry-standard product.

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