

SYSTEM REQUIREMENT GUIDE FOR ELIMU SPACE WEB SYSTEM

1. Project Overview

ELIMU SPACE is a digital platform designed to provide skills development for employability, career guidance, and entrepreneurship skills. The system will serve as an online learning hub where users can access training materials, mentorship, and career support resources.

2. System Objectives

- Provide users with skill-based courses for career development.
- Offer career guidance resources such as mentorship programs and industry insights.
- Support entrepreneurship training with relevant tools and knowledge.
- Facilitate interactive learning through video content, quizzes, and discussion forums.
- Allow users to track their learning progress and certifications.

3. Target Users

- Job seekers looking for employability skills.
- Students and graduates seeking career guidance.
- Aspiring and existing entrepreneurs looking for business skills.
- Mentors and trainers providing educational content.

4. Core Features and Functionalities

4.1 User Management

- User registration and login (email, phone, and social media integration).
- Role-based access (Learners, Mentors, Admins).
- User profile management (Bio, Skills, Progress Tracking).

4.2 Learning Modules

- Courses categorized into Employability, Career Guidance, and Entrepreneurship.
- Video tutorials, PDFs, and interactive lessons.
- Assessments (Quizzes, Assignments, and Certifications).
- Progress tracking dashboard for users.

4.3 Career Guidance & Mentorship

- Mentor directory with expert profiles.
- Live chat and appointment booking for mentorship sessions.

- Career roadmap tools (Resume building, Interview tips, etc.).

4.4 Entrepreneurship Support

- Business idea validation tools.
- Financial literacy and business management courses.
- Networking and funding opportunities.

4.5 Community & Discussion Forum

- Q&A forums for learners and mentors.
- Peer-to-peer discussions and knowledge sharing.
- Comment and review sections on courses.

4.6 Admin Dashboard

- Course and user management.
- Data analytics and reporting.
- Content moderation and approval system.

5. Technical Requirements

5.1 Frontend Requirements

- Responsive UI design for web and mobile accessibility.
- HTML, CSS, JavaScript (React or Angular recommended).

5.2 Backend Requirements

- Secure authentication and user management (JWT, OAuth).
- Backend framework: Node.js, Django, or Laravel.
- Database: MySQL, PostgreSQL, or MongoDB.

5.3 Security & Performance

- SSL encryption and secure user authentication.
- Scalable architecture to handle high user traffic.
- Data backup and recovery mechanisms.

6. Integration & APIs

- Payment gateway integration for premium courses.
- Integration with job portals for employability opportunities.

- Video conferencing API for live mentorship sessions.

7. Deployment & Maintenance

- Hosting on cloud services (AWS, Google Cloud, or DigitalOcean).
- Regular updates and feature enhancements.
- User feedback system for continuous improvement.

8. Expected Deliverables

- Fully functional web platform with all listed features.
- Admin panel for managing content and users.
- User documentation and tutorial guides.