

Product Requirements Document (PRD): E-Africa Platform (6-Month MVP)

Project: E-Africa – Career & Mentorship Platform

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1. Vision & Scope:

- Career direction and mentorship
- Job postings and applications
- Accountability partners
- Video-based interview/mentorship sessions
- Counselor access

The MVP will be delivered in **6 months**, prioritizing user onboarding, mentorship features, job functionality, and payments.

2. Month-by-Month Features

Month 1 - Landing Page & Onboarding Foundation

Feature 1: Landing Page

- **User Story:** As a visitor, I want to see what E-Africa offers so I can decide whether to sign up.
- **Designer Acceptance Criteria:** Hero section, Problem/Solution, Features overview, How It works, User testimonials, Feedback, CTA, FAQs, Footer; responsive across devices.

- **Frontend Acceptance Criteria:** Responsive build, SEO optimized, CTAs linked to Sign-Up/Login.
 - **Backend Acceptance Criteria:** Serve static content, enable dynamic testimonials if API is ready.
 - **Handoff Timeline:**
 - **Designer → Week 1**
 - **Frontend Dev → Week 2**
 - **Backend Dev → Week 2 (if dynamic testimonials integrated)**
 - **Dependencies:** None.
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Feature 2: Sign-Up

- **User Story:** As a new user, I want to create an account so I can access platform features.
 - **Designer Acceptance Criteria:** Wireframes + high-fidelity designs (email, password, OAuth signup). Error states included.
 - **Frontend Acceptance Criteria:** Signup form validation, redirect to Profile Setup.
 - **Backend Acceptance Criteria:** User schema, account creation logic, OAuth integration, token generation.
 - **Handoff Timeline:**
 - **Designer → Week 1**
 - **Backend Dev → Week 2 (user schema + auth APIs)**
 - **Frontend Dev → Week 2-3.**
 - **Dependencies:** Requires DB schema (users) + backend auth APIs.
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Feature 3: Sign-In

- **User Story:** As a returning user, I want to log in securely so I can access my dashboard.
 - **Designer Acceptance Criteria:** Login screen (email/password, OAuth), error state designs.
 - **Frontend Acceptance Criteria:** Login form, API connection, redirect to dashboard.
 - **Backend Acceptance Criteria:** Authentication APIs, session management, JWT/refresh tokens.
 - **HaHandoff Timeline:**
 - **Designer** → Week 1
 - **Backend Dev** → Week 2
 - **Frontend Dev** → Week 2-3.
 - **Dependencies:** User account must exist (Sign-Up complete).
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Feature 4: Forgot Password

- **User Story:** As a user, I want to reset my password if I forget it.
 - **Designer Acceptance Criteria:** Forgot password + reset confirmation screens.
 - **Frontend Acceptance Criteria:** Form triggers reset API, shows success/error states.
 - **Backend Acceptance Criteria:** Reset token generation, email sending, password update endpoint.
 - **HandHandoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 2-3
 - **Frontend Dev** → Week 3
 - **Dependencies:** Email service provider (SendGrid/Mailgun).
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Feature 5: Profile Setup

- **User Story:** As a new user, I want to complete my profile to personalize my experience.
 - **Designer Acceptance Criteria:** Form designs (bio, skills, career goals). Clear hierarchy and tooltips.
 - **Frontend Acceptance Criteria:** Build profile setup form UI, validation, error handling.
 - **Backend Acceptance Criteria:** Save profile data in DB, APIs to save/update/retrieve profile.
 - **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 3
 - **Frontend Dev** → Week 3-4
 - **Dependencies:** Requires Sign-Up/Sign-In flow.
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Feature 6: Basic Dashboard

- **User Story:** As a logged-in user, I want a dashboard to view my activities and navigate the platform.
- **Designer Acceptance Criteria:** Dashboard wireframes + high-fidelity (cards, nav, CTAs).
- **Frontend Acceptance Criteria:** Static dashboard UI, responsive layout.
- **Backend Acceptance Criteria:** Provide placeholder endpoints/ APIs for dashboard content.
- **Handoff Timeline:**
 - **Designer** → Week 3
 - **Backend Dev** → Week 3-4
 - **Frontend Dev** → Week 4
- **Dependencies:** Requires login flow to access.

Month 2 – Core UI/UX & Backend Setup

Feature 1: Design System & UI Components

- **User Story:** As a developer, I need a reusable design system to ensure consistency.
- **Designer Criteria:** Complete component library (buttons, modals, cards).
- **Frontend Dev Criteria:** Convert design system into React components.
- **Backend Dev Criteria:** N/A.
- **Handoff Timeline:**
 - **Designer** → Week 1
 - **Frontend Dev** → Week 2
- **Dependencies:** Landing page + onboarding flows (Month 1) for design reference.

Feature 2: Cloud Infrastructure Setup

- **User Story:** As a dev, I want cloud hosting so the app is accessible.
- **Designer Criteria:** N/A.
- **Frontend Dev Criteria:** Verify deployment environment is accessible.
- **Backend Dev Criteria:** Provision cloud (AWS/GCP), configure CI/CD.
- **Handoff Timeline:**
 - **Backend Dev** → Week 1-2
 - **Frontend Dev verification** → Week 2
- **Dependencies:** None (base infrastructure).

Feature 3: Database Schema

- **User Story:** As a dev, I need structured data storage for users, sessions, reviews, payments.
 - **Designer Criteria:** Provide data structure references (user persona fields).
 - **Frontend Dev Criteria:** Consume endpoints once available.
 - **Backend Dev Criteria:** Create schema, migrations, and seed data.
 - **Handoff Timeline:**
 - **Designer** → Week 1
 - **Backend Dev** → Week 2
 - **Frontend Dev** → Week 3
 - **Dependencies:** Cloud infrastructure must be ready.
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Feature 4: Authentication Frontend Integration

- **User Story:** As a user, I want a login/signup UI connected to the backend.
 - **Designer Criteria:** High-fidelity auth screens.
 - **Frontend Dev Criteria:** Implement UI → backend API connection.
 - **Backend Dev Criteria:** Auth APIs available (JWT, sessions).
 - **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 2-3
 - **Frontend Dev** → Week 3
 - **Dependencies:** Database schema + backend auth API must exist.
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Month 3 - Mentorship & Video Features

Feature 1: Mentor Profiles

- **User Story:** As a user, I want to browse mentors for guidance.
 - **Designer Criteria:** Directory and profile designs.
 - **Frontend Dev Criteria:** Mentor listing UI + profile detail page.
 - **Backend Dev Criteria:** Mentor schema + APIs (list, fetch).
 - **Handoff Timeline:**
 - **Designer** → Week 1
 - **Backend Dev** → Week 1-2
 - **Frontend Dev** → Week 2
 - **Dependencies:** Profile setup (Month 1), database schema (Month 2).
 - **Testing:** Basic mentor listing + profile API tested with sample data.
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Feature 2: Accountability Partner Matching

- **User Story:** As a graduate, I want to be matched with an accountability partner.
 - **Designer Criteria:** Matching flow screens.
 - **Frontend Dev Criteria:** Implement pairing UI.
 - **Backend Dev Criteria:** Matching logic & DB schema.
 - **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 2-3
 - **Frontend Dev** → Week 3
 - **Dependencies:** Profile setup (Month 1), DB schema (Month 2).
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Feature 3: Video Calling

- **User Story:** As a user, I want to have 1:1 video sessions.
- **Designer Criteria:** Video UI (call controls, end call, mute).
- **Frontend Dev Criteria:** Integrate WebRTC/Agora SDK.
- **Backend Dev Criteria:** Signaling server setup.
- **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 3
 - **Frontend Dev** → Week 3-4

Testing

Month 4 - Job Board & Applications

Feature 1: Job Posting (Employer)

- **User Story:** As an employer, I want to post job listings.
 - **Designer Criteria:** Job form design.
 - **Frontend Dev Criteria:** Job creation UI.
 - **Backend Dev Criteria:** Job posting CRUD API.
 - **Dependencies:** Dashboard (Month 1), DB schema (Month 2).
 - **Handoff Timeline:**
 - **Designer** → Week 1
 - **Backend Dev** → Week 1-2
 - **Frontend Dev** → Week 2
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Feature 2: Job Search & Apply (Graduate)

- **User Story:** As a graduate, I want to search and apply for jobs.
 - **Designer Criteria:** Search filters, application flow.
 - **Frontend Dev Criteria:** Job listings UI, apply button.
 - **Backend Dev Criteria:** Job search API, application API.
 - **Dependencies:** Job posting must exist.
 - **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 2-3
 - **Frontend Dev** → Week 3
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Month 5 - Payments & Credits

Feature 1: Payment Gateway

- **User Story:** As a user, I want to pay for sessions securely.
 - **Designer Criteria:** Payment screens, wallet UI.
 - **Frontend Dev Criteria:** Payment form integration.
 - **Backend Dev Criteria:** Gateway integration (Paystack/Stripe).
 - **Dependencies:** Mentor booking or credit system must exist.
 - **Handoff Timeline:**
 - **Designer** → Week 1
 - **Backend Dev** → Week 1-2
 - **Frontend Dev** → Week 2
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Feature 2: Credit System

- **User Story:** As a user, I want credits to pay for services.
- **Designer Criteria:** Credit balance indicators.
- **Frontend Dev Criteria:** Credit top-up UI.
- **Backend Dev Criteria:** Credit logic + DB model.
- **Dependencies:** Payment gateway integration.
- **Handoff Timeline:**
 - **Designer** → Week 2
 - **Backend Dev** → Week 3
 - **Frontend Dev** → Week 3-4

Testing

Month 6 - QA, Testing & Launch

Feature 1: QA & Feedback Loop

- **User Story:** As a PM, I want to track and fix bugs early.
- **Designer Criteria:** Iterate on feedback for UX.
- **Frontend Dev Criteria:** Fix bugs from QA tests.
- **Backend Dev Criteria:** Optimize APIs and DB performance.
- **Dependencies:** All core features must be in place.
- **Handoff Timeline:**
 - **QA testing** → Ongoing all month
 - **Designers** → Fix feedback (as needed)
 - **Backend & Frontend** → Sprint-based fixes

Feature 2: Beta Testing & Launch

- **User Story:** As a stakeholder, I want a stable MVP launched for early users.
- **Designer Criteria:** Final design QA signoff.
- **Frontend Dev Criteria:** Deploy stable frontend.
- **Backend Dev Criteria:** Secure, optimized backend deployed.
- **Dependencies:** QA complete.
- **Handoff Timeline:**
 - **Designers** → Week 3
 - **Backend Dev** → Week 4
 - **Frontend Dev** → Week 4

Success Metrics

- **Onboarding Completion Rate:** 85%
- **Profile Completion:** 80% of signups complete setup
- **Mentor Engagement:** 50% of users matched to a mentor
- **Video Call Success Rate:** 90%
- **Job Application Conversion:** 30%
- **Payment Success Rate:** 95%
- **Bug Resolution Before Launch:** 90% critical issues resolved