



Prep Platform Developer Brief

Project Name: Prep by Daramola Adesuyi Foundation (DAF)

Project Overview:

Prep is an e-learning platform designed as a digital learning hub for primary and secondary school education to improve education access and aid in exam preparations. It will have two primary offerings:

1. **Prep Tutor:** A collection of high-quality pre-recorded video lessons in core subjects like Mathematics, English, and Science.
2. **Prep Practice Questions (PPQ):** A repository of past questions, mock tests, and quizzes to help students self-assess their readiness for exams such as WAEC NECO etc.

The platform will be developed in phases. Prep Tutor feature will be developed in phase 1 and PPQ in Phase 2 including any other advanced features.

Key Goals:

- Provide free and low-cost access to quality learning materials
- Build digital literacy among students
- Support educational equality with adaptive learning tools
- This platform should be very user friendly, fun and engaging for primary and secondary school students. It should be easy to use without any ambiguity.

Platform Structure and Navigation

Menu Structure (Navbar/Menu Tabs)

- Home
- About Prep
- Prep Tutor
 - Browse by Subject
 - Browse by Class (e.g., JSS1, SS2)
- Prep Practice Questions (Coming Soon)
- Rewards
 - Streak Tracker
 - View and Redeem Points
- My Account
 - Dashboard
 - My Progress
 - Bookmarked Lessons
 - Subscription Details
- Donate
 - One-time and recurring donation options

- Contact/Support
- Login/Sign Up

A. Phase 1 (Prep Tutor Focused):

Core Features and Functional Requirements

#	Feature	Description
1	Sign Up & Login	Sign up using phone/email; verify via OTP. Password reset and login history tracking.
2	Dashboard (User)	View watched videos, streak status, earned points, subscription status.
3	Subject Categorisation	Users select subject, level (e.g., SS1), then see available videos.
4	Bookmarking	Save favorite lessons to watch later.
5	Streak Tracker	Visual tracker showing consecutive study days to earn points.
6	Points and Reward System	<ul style="list-style-type: none"> - Earn points for logging in, watching videos, completing playlists. - Points redeemable for free mobile data (partner with MTN, Airtel).
7	Subscription Management	<ul style="list-style-type: none"> - Free Preview Plan: Access 5 videos in one subject. - Standard Plan (N500/mo): Unlimited video access. - Scholar Plan: Free access with voucher code.
8	Admin Panel	Upload/manage video content, categorize by subject/class, monitor student progress, manage subscriptions.
9	Payment Integration	Paystack

Non Functional Requirements

- **Mobile-first Design:** Fully responsive layout.
- **Low Data Consumption:** Compress videos, offline-ready UI, adaptive streaming.
- **Analytics:** Admin dashboard showing usage stats (e.g., daily logins, video watch rate)

Admin Panel Features

- Secure admin login
- GUI to upload videos by subject/class
- Tag and categorise lessons
- Monitor user engagement
- Approve reward disbursements (e.g., data vouchers)
- View and analyse admin dashboard showing usage stats etc.

Competitor Research & UI Inspiration:

Note: This is not a comprehensive list – please feel free to take inspirations from any other related website that fits into Prep’s vision.

#	Company	Web link	Key Features we like
1	Ulesson	https://ulesson.com/	Interactive video-based lessons, user dashboard, leaderboard for engagement.
2	Khan Academy	https://www.khanacademy.org/	Global nonprofit mission, topic-based breakdown, and lesson summaries. Love their simple and effective user interface, nonprofit model, and motivational student dashboard.

Next Steps:

- Develop wireframes/UI mockups

Deliverables

- Full working web app (mobile-first design)
- Admin dashboard
- Live staging link
- Full source code + credentials
- Basic walkthrough documentation

Proposed Development Timeline (Phase 1)

#	Milestone	Timeline
1	UI Design	
2	Core Feature Dev (Phase 1)	
3	Internal Testing	
4	Beta Launch and UAT	
5	Feedback & Adjustments	
6	Final Launch	

B. Phase 2 (Advanced Features)

#	Feature	Description
1	Prep Practice Questions (PPQ)	Timed practice tests (WAEC, NECO past questions) and mock exams, performance insights.
2	AI-Personalized Learning	Recommend videos/questions based on weak areas.
3	Live Tutoring Integration	Scheduled live classes using Zoom/Agora API.
4	Gamification	Badges, leaderboards, class-wide challenges.