# **RG QUIZ REINFORCED LEARNING SYSTEM**

## **Application overview and features**

**Features of the Application**

The RG Quiz Reinforced Learning System is a robust digital tool tailored to enhance learning across Nigerian schools. With curriculum-aligned content, interactive feedback mechanisms and AI-powered learning support, it provides an enriched educational experience for children.

1. **Comprehensive subject coverage**

* Covers 11 subjects from Primary 1 to 6.
* 20 questions per class, per subject, per term (1st to 3rd) and per topic.
* Designed in line with the Nigerian Primary School Curriculum or the school’s customized curriculum.

1. **Interactive multiple-choice format**

* Students select answers from multiple-choice options.
* Correct answers are marked green; incorrect ones are marked red.
* Immediate visual feedback improves learning retention.

1. **Explanation and AI-Powered deep learning**

* Displays basic explanation for correct answers.
* AI-driven in-depth explanations simplify complex topics.

1. **Intelligent score tracking**

* Records student name, date, number of attempts and average score.
* Generates remarks based on performance (e.g., Excellent, Fair, Need Improvement).
* Ideal for review, performance monitoring, and academic evaluation.

1. **Reinforcement-driven learning model**

* Schools, parents, or guardians can track performance and reward students.
* Encourages motivation and repeated learning engagement.

f) Child-Friendly UI/UX Design

Simple, intuitive navigation designed with children in mind.

Fun, engaging, and interactive interface with colorful illustrations.

g) Responsive Design

Compatible across all devices: phones, tablets, desktops, and laptops.

Automatically adjusts to screen sizes.

h) Built-in Sound Library

Includes cheerful sound effects for actions like clicking and scoring.

Allows students to choose background audio for immersive study.

Page 2: Architecture, Scalability & Values

2. Architectural Design for Visual Understanding

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| Student Interface |

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| Setup Page | Quiz Page | Score Page |

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| JSON Server (Mock API) |

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| AI Explanation Engine (Local) |

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Begins from student setup

Progresses to quizzes and result tracking

Backed by intelligent mock API and local AI support

3. Scalability & Adaptability

Scalability

Initially designed for Primary 1 to 6

Easily extendable to:

Junior Secondary (JSS 1 – JSS 3)

Senior Secondary (SS 1 – SS 3)

More subjects and questions can be added as required

Adaptability

Can be customized to suit any school curriculum

Parents can request tailored question sets for their children

Flexibility in question count per topic (advised max: 50)

4. Values You Stand to Gain

Improved Academic Performance – Aligned with school curriculum for maximum impact.

Progress Monitoring – Parents and teachers can easily track and evaluate performance.

Child Engagement – Game-like learning structure to hold attention.

Reward System – Performance-based reinforcement encourages continual learning.

Cost-Effectiveness – One-time investment with long-term academic benefits.

Page 3: Pricing & Contact Information

5. Pricing

The RG Quiz App is a comprehensive educational system designed with attention to detail. It includes structured content across subjects, smart feedback, scoring systems, and adaptable functionality.

Pricing for Schools

Primary 1 to 6: ₦200,000

JSS 1 to 3: ₦300,000

SS 1 to 3: ₦400,000

Pricing for Parents/Guardians

Per class: ₦70,000

Discounts available for parents/guardians with multiple wards.

Pricing varies based on subject coverage, number of questions, and customization.

6. Office Address & Contact Information

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