# jamb\_coach\_per\_subject\_limits

## JAMB Coach PWA - Per-Subject Subscription Limits Implementation

### Task Overview

Successfully updated the JAMB Coach PWA to implement strict per-subject subscription limits, changing from a global 25-question limit to 20 free questions per subject.

### Execution Process

1. **Analysis & Planning**: Analyzed current subscription system and created implementation plan
2. **Code Modifications**: Updated core subscription logic, components, and UI elements
3. **Database Alignment**: Fixed subject name mismatches between database and application code
4. **Build & Deployment**: Successfully built and deployed updated application
5. **Testing & Verification**: Tested functionality and verified proper implementation

### Key Changes Implemented

#### Core Subscription System (useSubscription.ts)

* Modified from global 25-question limit to **20 questions per subject**
* Updated checkQuestionAccess() to require subject parameter and enforce per-subject limits
* Enhanced getRemainingFreeQuestions() to support subject-specific queries
* Implemented per-subject status checking in getSubscriptionStatus()

#### User Interface Components

* **SubscriptionBadge**: Now displays per-subject remaining counts (e.g., “15/20”)
* **PaywallModal**: Shows subject-specific limit messaging
* **Dashboard**: Displays per-subject progress with lock icons for exceeded limits
* **Practice Pages**: Enforces strict access control per subject

#### Database Optimization

* Fixed subject name consistency (changed “English” to “English Language”)
* Verified question availability across all 5 JAMB subjects

### Final Implementation Details

* **Free Limit**: 20 questions per subject (100 total across 5 subjects)
* **Enforcement**: Strict blocking of practice features when subject limits exceeded
* **UI Feedback**: Clear per-subject progress indicators and upgrade prompts
* **User Experience**: Seamless transition between free and premium states

### Verification Status

✅ **Successfully Implemented**: Per-subject limit tracking and enforcement ✅ **UI/UX Updated**: All components reflect new per-subject model  
✅ **Database Aligned**: Subject names consistent across system ✅ **Build & Deploy**: Application successfully deployed to production

### Deployment Information

* **New App URL**: https://m3l9rrqghkjk.space.minimax.io
* **Status**: Live and operational with per-subject limits enforced
* **Functionality**: Users must subscribe to access content beyond 20 free questions per subject

The JAMB Coach PWA now operates with strict per-subject subscription limits, ensuring maximum conversion potential while providing users with substantial free content (100 total questions across subjects) to evaluate the platform’s value.

## Key Files

* jamb-coaching-app/src/hooks/useSubscription.ts: Updated subscription hook with per-subject limit tracking and enforcement logic
* jamb-coaching-app/src/components/PaywallModal.tsx: Enhanced paywall modal to display subject-specific limit messaging
* jamb-coaching-app/src/components/SubscriptionBadge.tsx: Updated subscription badge to show per-subject remaining question counts
* jamb-coaching-app/src/pages/SubjectPage.tsx: Modified subject practice page to enforce per-subject access control
* jamb-coaching-app/src/pages/DashboardPage.tsx: Enhanced dashboard to display per-subject progress and subscription status