've enhanced the Assessment Module with:

1. New Question Types:

* Sequence: Order items in correct sequence
* Hotspot: Click correct areas in an image
* Drag-drop: Drag items to correct zones
* Audio-response: Record audio answers
* Math-equation: Mathematical equation input
* Diagram-label: Label parts of a diagram
* Case-study: Multi-part questions
* Peer-review: Peer assessment questions

1. Enhanced Analytics:

* Performance metrics (reliability, skill gaps)
* Question analytics (difficulty, discrimination)
* Time analytics (speed-accuracy correlation)
* Engagement metrics (completion rates, behavior)
* Accessibility tracking
* Advanced statistical analysis
* Error pattern detection
* Navigation analysis

1. Real-time Features:

* Live participation tracking
* Progress monitoring
* Real-time leaderboard
* Collaborative features
* Participant analytics
* Adaptive assessment
* Peer help system
* Live discussion

The changes include:

1. Enhanced assessment model with new fields
2. Updated scoring engine for new question types
3. Advanced analytics engine with statistical analysis
4. Real-time manager for Socket.IO integration