1. **New Utilities Added**:
   * **Metrics Manager**: Tracks various metrics using Prometheus
   * **Request Tracker**: Adds request ID, timing, and logging
   * **Error Handler**: Comprehensive error handling and reporting
2. **Route Integration**:
   * **Media Routes**:
     + Added caching for GET requests
     + Added rate limiting for uploads and processing
     + Integrated content processing middleware
     + Added cache invalidation for updates
   * **Content Routes**:
     + Added caching for GET requests
     + Added rate limiting for content creation
     + Added cache invalidation for updates
     + Optimized caching durations based on content type
3. **Documentation**:
   * Comprehensive API documentation
   * Authentication details
   * Request/response examples
   * Error handling guidelines
   * Rate limiting specifications
   * Caching policies
   * Metrics information
4. **Performance Optimizations**:
   * Intelligent caching based on content type
   * Rate limiting based on operation type
   * Request tracking for performance monitoring
   * Metrics collection for optimization