 implemented comprehensive performance optimizations, disaster recovery, and security enhancements. Here's a summary of the changes:

1. **Performance Optimizations**:
   * Database connection pooling and optimization
   * Query optimization middleware
   * Response time tracking
   * Memory usage monitoring
   * Cache optimization with Redis
   * Compression middleware
   * Connection pool monitoring
2. **Disaster Recovery**:
   * Automated database backups (PostgreSQL and MongoDB)
   * S3 backup storage with encryption
   * Restore procedures
   * Health monitoring
   * Automatic recovery procedures
   * System-wide recovery coordination
3. **Security Enhancements**:
   * Enhanced Helmet configuration
   * Rate limiting with multiple tiers
   * CORS protection
   * CSRF protection
   * SQL injection prevention
   * Input sanitization
   * JWT security
   * Password strength validation
   * Security event monitoring
   * Audit logging

Key features:

1. **Performance**:
   * Connection pooling
   * Query optimization
   * Caching
   * Memory management
   * Response time monitoring
2. **Disaster Recovery**:
   * Automated backups
   * Point-in-time recovery
   * Health monitoring
   * Automatic failover
   * Data consistency checks
3. **Security**:
   * Multiple security layers
   * Rate limiting
   * Input validation
   * Token security
   * Audit logging
   * Security monitoring

The service now has:

1. Optimized performance with monitoring
2. Robust disaster recovery procedures
3. Enhanced security measures
4. Comprehensive audit logging