1. **Base Service**:
   * Common CRUD operations
   * Transaction handling
   * Error handling
   * Pagination support
2. **User Service**:
   * User CRUD with caching
   * Role management
   * Profile management
   * Status management
   * Institution-based queries
   * Event publishing
3. **Profile Service**:
   * Profile management
   * Avatar handling with image processing
   * Preferences management
   * Metadata management
   * Caching
4. **Role Service**:
   * Role CRUD with caching
   * Permission management
   * Role hierarchy
   * User association
   * Event publishing
5. **Permission Service**:
   * Permission CRUD with caching
   * Resource-based queries
   * Role-based queries
   * Condition checking
   * Bulk operations
6. **Redis Service**:
   * Connection management
   * Key-value operations
   * Hash operations
   * List operations
   * Set operations
   * Error handling
   * Logging