Database Users

Actors on the Scene

1. **Database Administrators (DBAs)**:
   - Manage the database system, authorize access, ensure efficiency, and handle backup and recovery.
2. **Database Designers**:
   - Design the database schema and structure, working with DBAs and users to meet requirements.
3. **End Users**:
   - **Casual Users**: Occasionally query the database.
   - **Naive Users**: Use standard queries via predefined interfaces (e.g., bank tellers).
   - **Sophisticated Users**: Write complex queries and use advanced database functionalities.
   - **Standalone Users**: Maintain personal or small business databases with off-the-shelf software.
4. **Application Programmers**:
   - Develop software applications that interact with the database, ensuring efficient data handling.

Workers Behind the Scene

1. **System Designers and Implementers**:
   - Develop the DBMS software, including components like query processors and transaction managers.
2. **Tool Developers**:
   - Create utilities for database design, performance monitoring, and management (e.g., data modeling tools).
3. **Operators and Maintenance Personnel**:
   - Perform daily operations, handle system backups, and maintain hardware to ensure continuous database availability.