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Project Name: Feature-rich Desktop Calendar Software

Using Layered Architecture for our project “Feature-rich Desktop Calendar”

1. Presentation Layer:

• Responsibility: Handling user interaction and displaying the user interface for the calendar app.

• Components: Calendar UI, Event Details UI, Settings UI.

• Interaction: Communicates with the application layer to retrieve data and execute user actions.

2. Application Layer:

• Responsibility: Contains the business logic of the calendar application.

• Components: Calendar Service, Event Service, Date Service.

• Interaction: Interacts with the domain layer to perform business operations and with the presentation layer to handle user input and provide output.

4. Data Access Layer:

• Responsibility: Handles data retrieval and manipulation operations with the underlying storage.

• Components: Data Access Objects (DAOs), Database Connection Management.

• Interaction: Interacts with the storage layer to perform READ/WRITE operations on data entities.

5. Storage Layer:

• Responsibility: Stores and retrieves data in a persistent format, such as a database or file system.

• Components: Database, File System.

• Interaction: Stores and retrieves data according to requests from the data access layer.

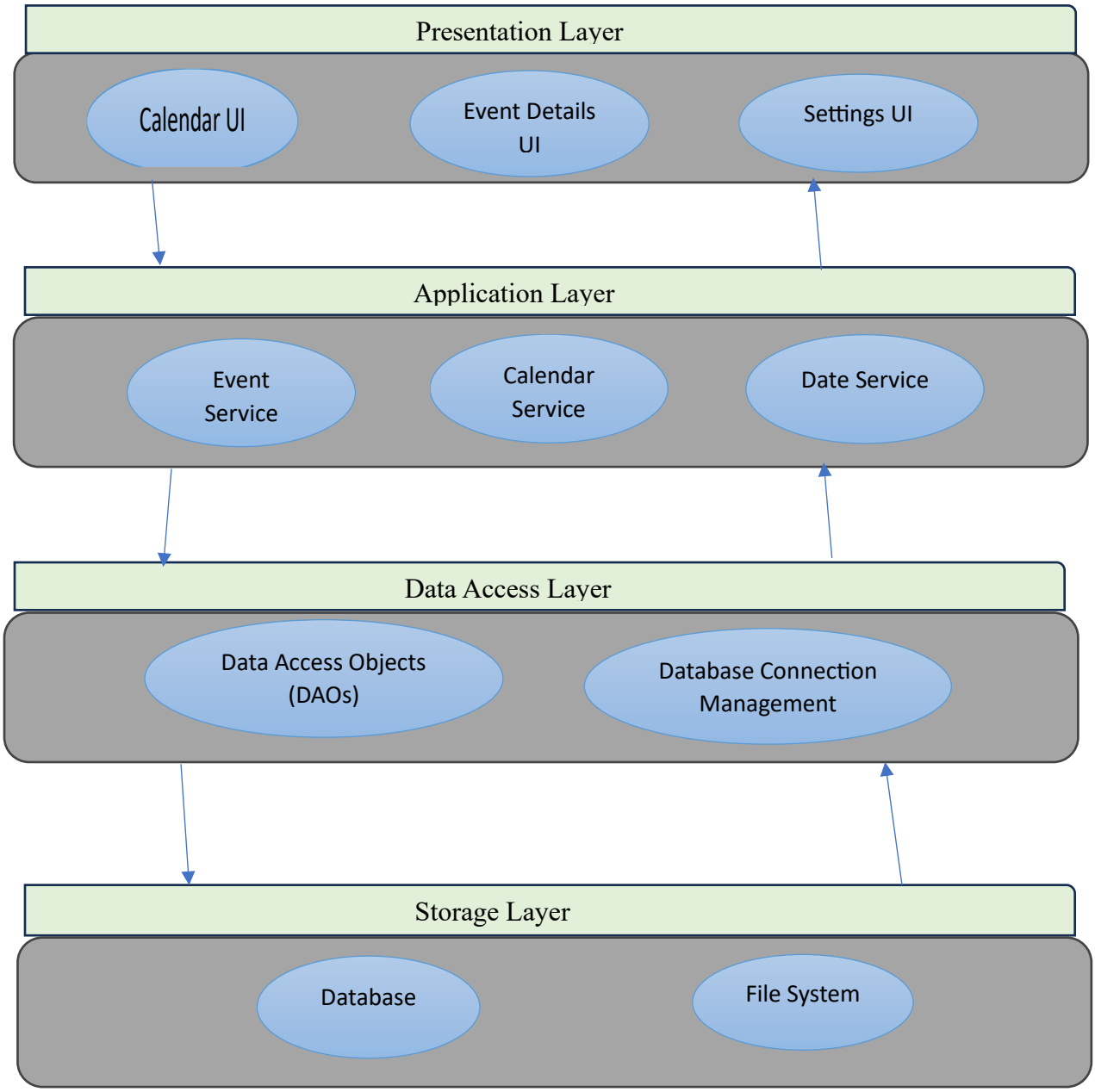

Fig: Layered Architecture of Feature-Rich Desktop Calendar

Feature & Architecture: