Your Answer UML Components Diagram:
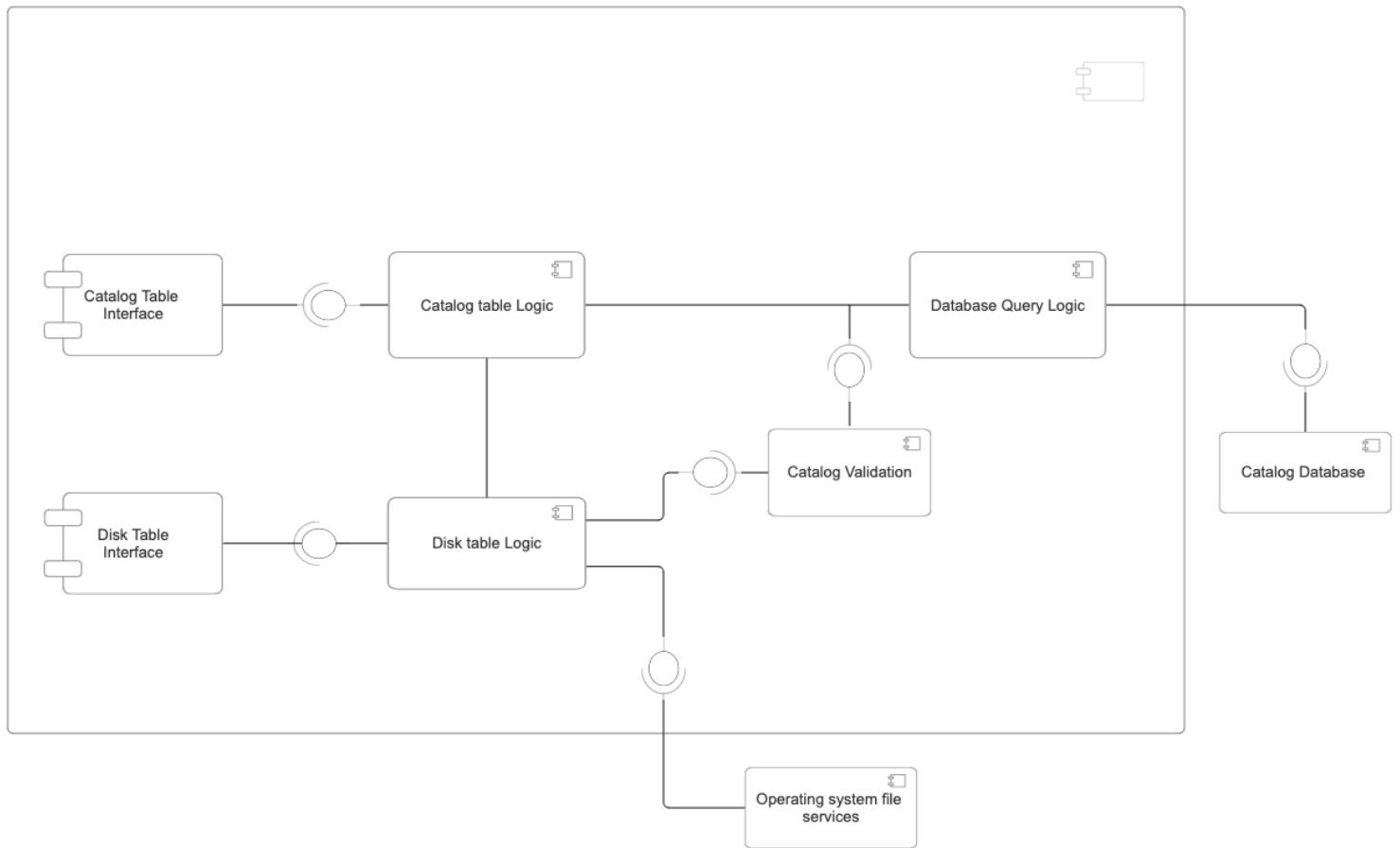
Component	Responsibilities	Interacts with
Catalog Table Interface	Displays a table of files, that are equivalent to files stored in the database, including their details. Displays fields for user inputs like search options, and buttons for catalog management functions	Catalog Table Logic
Disk Table Interface	Displays a table of files that are populated from the disk, as well as shows the current directories and buttons to navigate through directories. Also displays buttons to curate the catalog and interact with source files on disk.	Disk Table Logic
Catalog Database	Stores and keeps track of metadata about files (annotations, modification date, etc.) Allows data to be queried and transferred	Database Query Logic
Catalog Table Logic	Manages search functionality for files in the catalog based on user input. Supports operations like searching by annotations, dates, file types, or names. Allows users to edit annotations, view file content, and delete files from the catalog. This component also interacts with the Database Query Logic to pull data from the database to populate the catalog.	Disk Table Logic, Database Query Logic
Disk Table Logic	Provides functions to interact with the physical	Catalog Validation, Operating system file

	files on disk. Enables actions like moving files to another location, opening files, renaming files, and adding them (with annotations) to the catalog. This component also interacts with Operating system file services to access all the files on the disk.	services, Catalog Table Logic
Database Query Logic	Processes and executes queries to retrieve or update metadata in the catalog database. Converts user requests into database operations.	Catalog Database, Catalog Validation
Catalog Validation	Ensures that catalog metadata accurately reflects the current state of files on disk. Handles consistency checks, such as verifying file existence, detecting changes, or resolving discrepancies.	Disk table logic, Database Query Logic
Operating system file services	Interacts directly with the file system to perform low-level operations, such as reading, writing, or deleting files, and retrieving file properties (size, modification date, etc.).	Disk Table Logic