

## Client Level



Client

HTTP Request

## Application Level

### Presentation Layer

Session Handling



Message Handling

Chat Resource

### Business Logic Layer

ChatSessionController

ChatMessageController

Calling  
Transactional  
Functions  
from DAO

File Handling

Calling  
Transactional  
Functions  
from DAO

FileStorageService

### Data Access Layer

ChatSessionRepository

ChatMessageRepository

## Database Level



MinIO Object Storage

Upload/Download/Delete



Database

(Query, Insertion and Deletion)

(Query, Insertion and Deletion)