Bussiness Logic - Ticket Marketplace

1. Client Request

   User (Client) Create Request -> Communication (Create communication message for consistent protocols) -> Server receiving request

2. Server Receiving Request from Client

   Server receiving request -> Parsing communication to processable data -> sending data to process

3. Processing Data

   Server sending data -> app logic -> send request to access database -> accessing database

4. Accessing Database

   Accessing Database -> Requesting DAO (Data Access Object) to communicate with Database -> Connected to Database (DatabaseConnection - similar to MyModel)

5. Database Process

   Connected to Database -> selecting function that required for business logic (Choosing command) -> DAO Runs the command

6. Data Access Object

   DAO Runs the command -> Sending Query to Database -> Database receiving query

7. Data Manipulation in Database

   Database receiving query -> Database running query -> Database sending response

8. Database Response

   Database sending response -> DAO receving response -> DAO sending response to business logic

9. Server Response

   DAO sending response to business logic -> Server receiving response -> Server doing business logic (if needed) -> Server sending response

10. Client Response

    Server sending response - client receiving response -> client create request (depending on user)

Diagram

User (Client)	Communication	Server	Application Logic	Data Access Object (DAO)	Database

Bussiness Logic

User (Client) → Communication: Create Request

Communication → Server: Send formatted message

2. Server Receiving Request

Server → Server: Parse communication to processable data

Server → Application Logic: Send data for processing

3. Processing Data

Application Logic → Data Access Object (DAO): Send database access request

4. Accessing Database

Data Access Object (DAO) → Database: Establish connection (DatabaseConnection)

5. Database Process

Database ⇢ Data Access Object (DAO): Connection established

Data Access Object (DAO) ⇢ Application Logic: Sending response (established connection)

Application Logic → Application Logic: Select required data transaction

Application Logic → Data Access Object (DAO): Sending required data transaction

6. Data Access Object

Data Access Object (DAO) → Database: Send query

7. Data Manipulation

Database → Database: Execute query

Database → Data Access Object (DAO): Send response

8. Database Response

Data Access Object (DAO) → Application Logic: Forward response

9. Server Response

Application Logic → Application Logic: Processing data

Application Logic → Server: Send processed response

Server → Communication: Format response

Communication → User (Client): Deliver response

10. Client Response

User (Client) → User (Client): Process response and decide next action

User (Client)	Communication	Server	Application Logic	Data Access Object (DAO)	Database