A

Architecture Documentation On

Cinematic Movies Prediction System

Submitted in completion of internship at

INEURON INTELLIGENCE PRIVATE LIMITED

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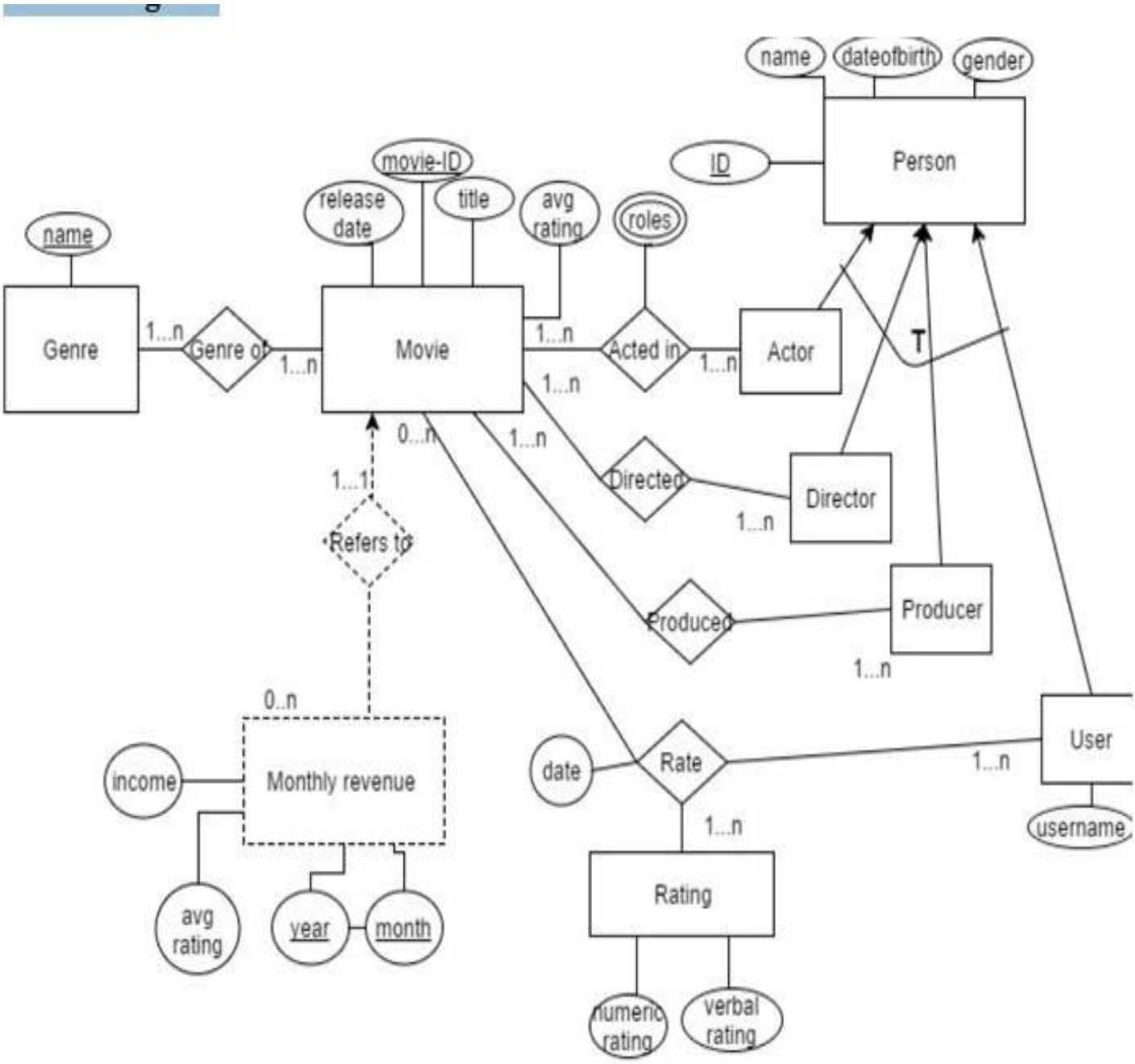
List of Graphs

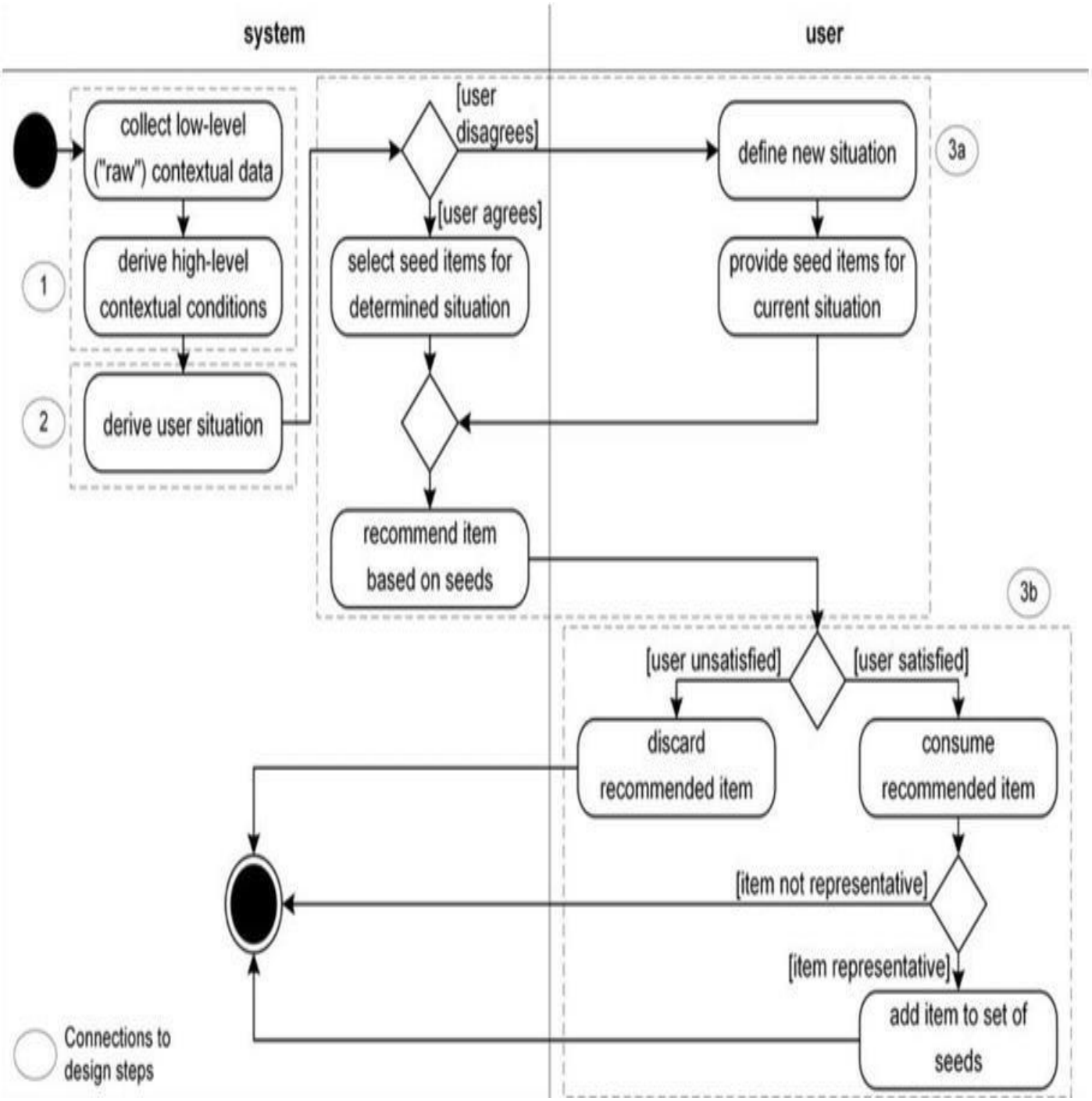
Class Diagram

In the project report for our movie prediction system, the class diagram illustrates the essential components and relationships within the system. It comprises classes such as User, Movie, Prediction, Rating, Genre, Admin, Database, Logger, Prediction Engine, and Recommendation Engine. Each class encapsulates relevant attributes and methods to perform various functionalities, such as user authentication, movie management, prediction generation, and recommendation generation.



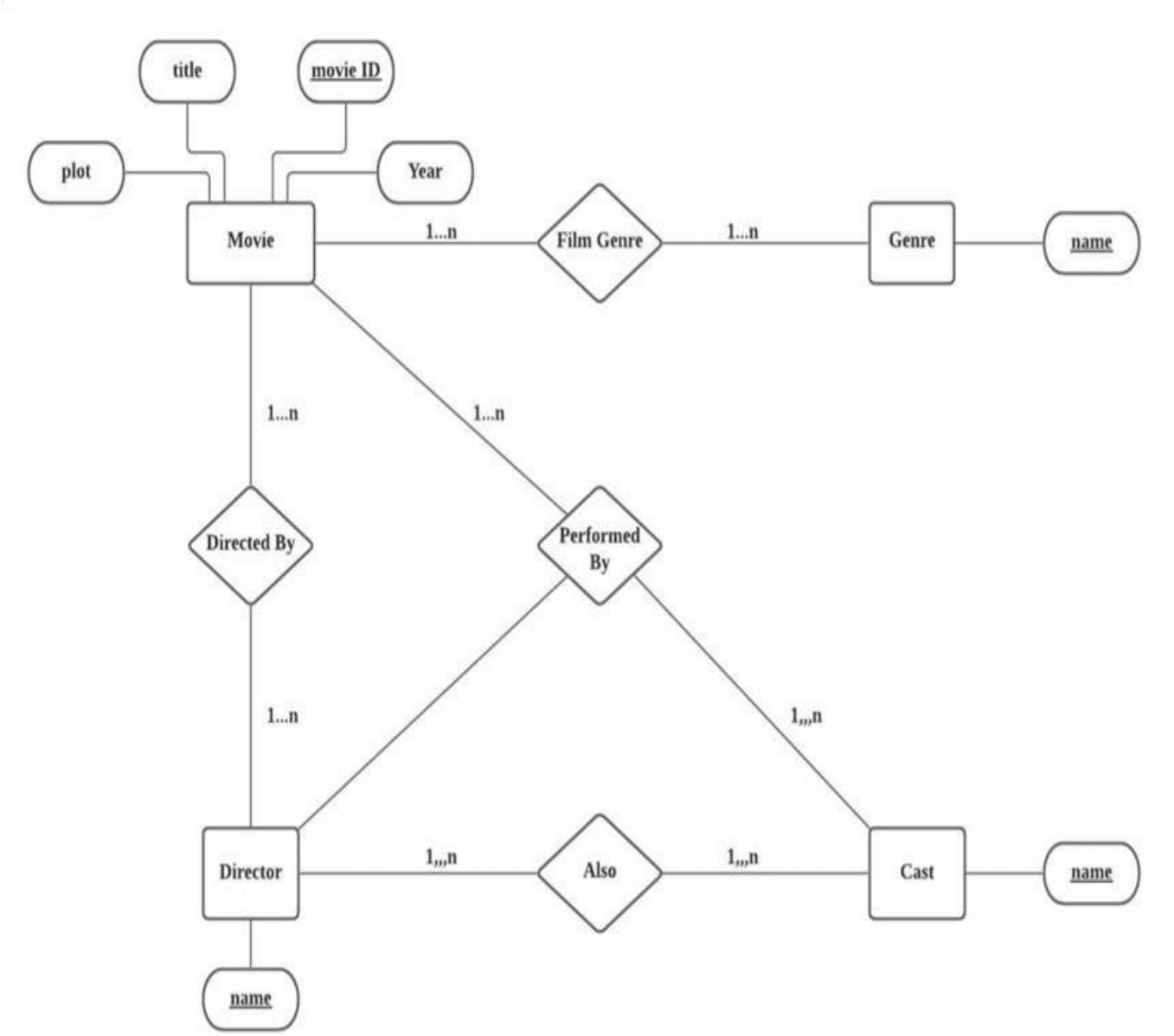
Activity Diagram

The activity diagram typically includes activities, decision points, and transitions between different states or actions. For example, it might depict the process of a user logging into the system, searching for a movie, rating a movie, or receiving predictions. Decision points could include user choices such as selecting a genre or confirming a prediction.



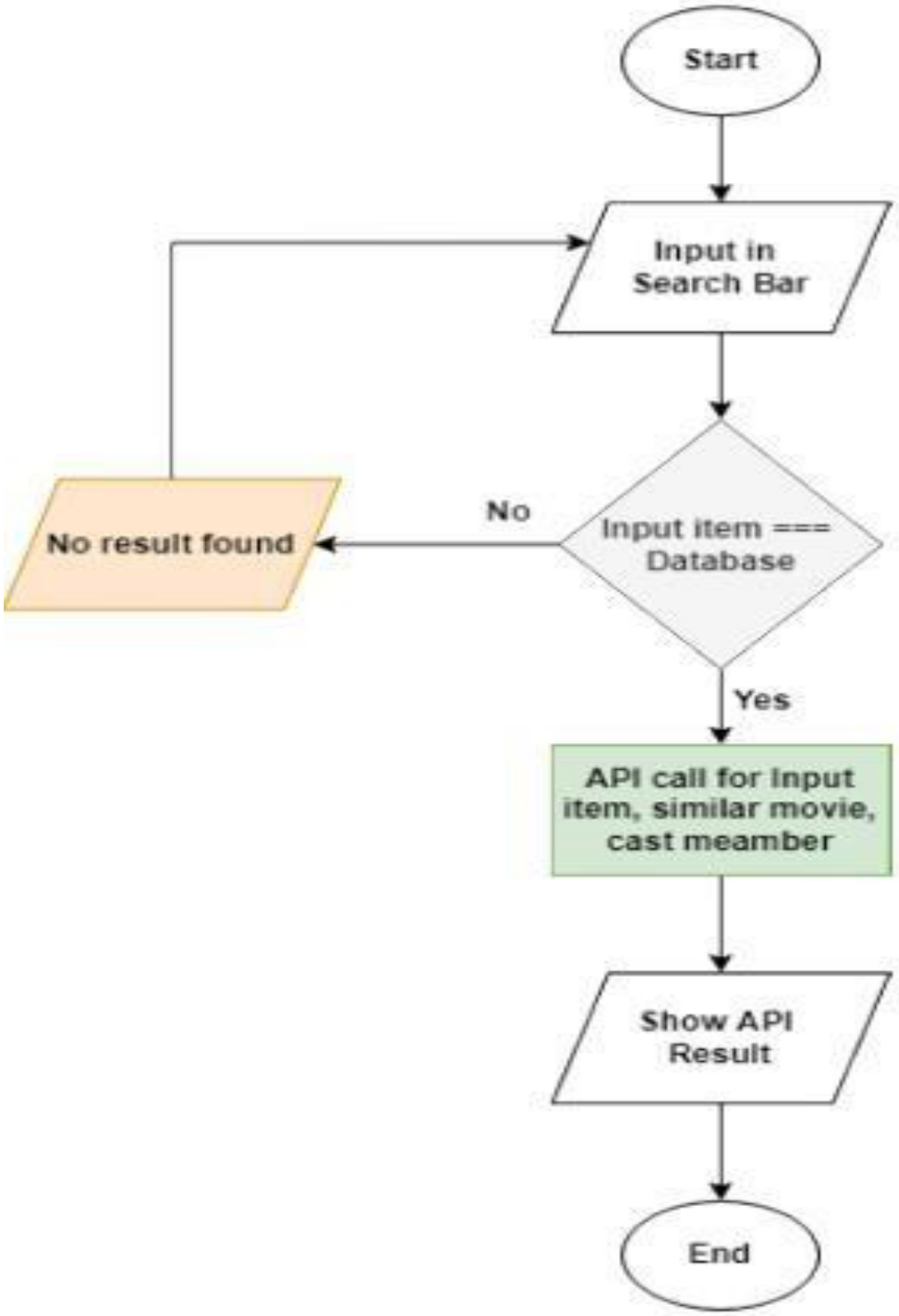
Entities And Attributes

The entities and attributes diagram provides a structured representation of the key entities and their associated attributes within the system's database. This diagram serves to define the data model and relationships between entities, laying the foundation for database design and implementation.



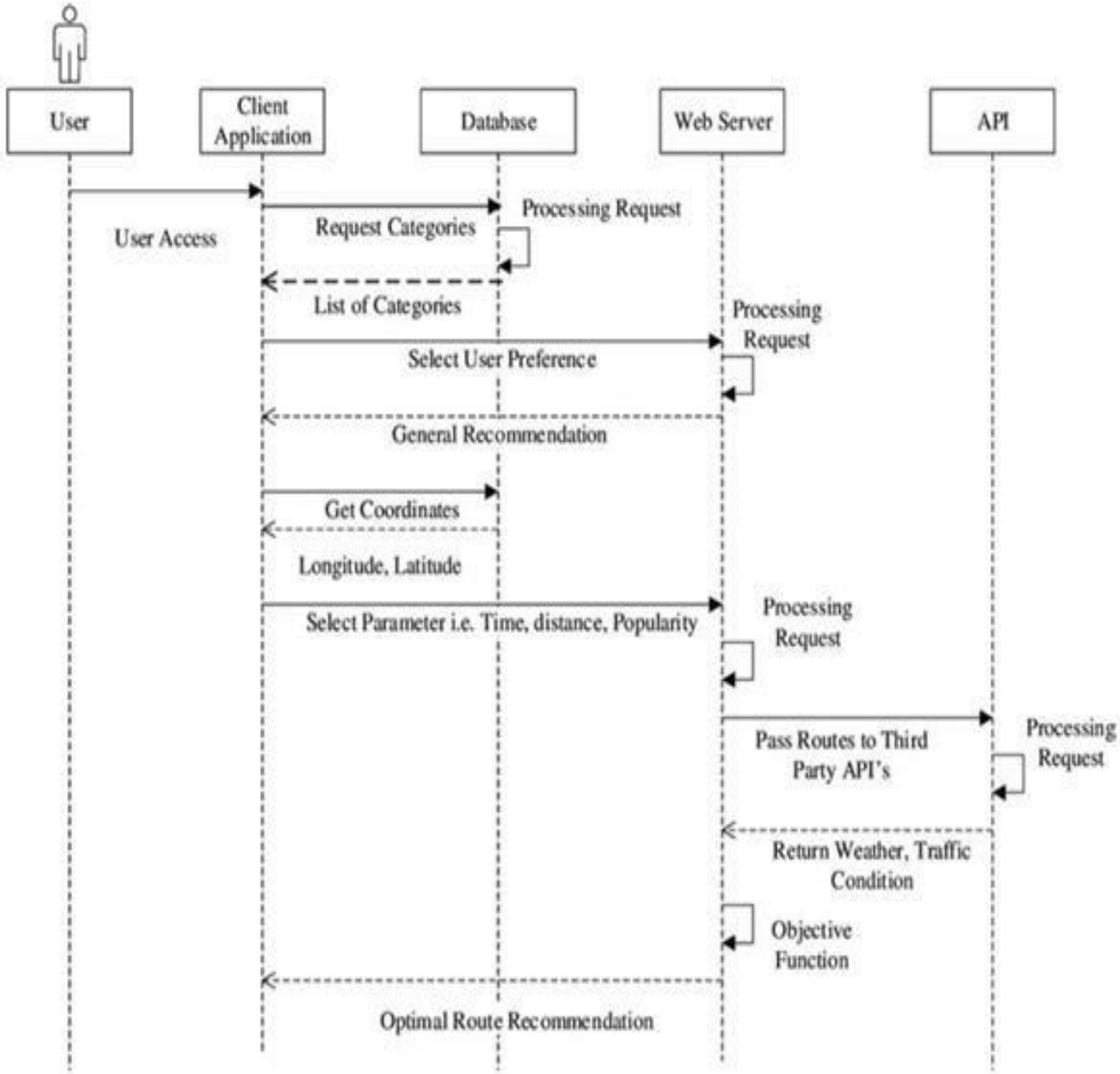
System Flow Chart

The system flowchart diagram depicts the high-level flow of operations and interactions between various components within the system. This diagram provides an overview of how data and control flow through the system, from input to output, illustrating the sequence of steps involved in performing key tasks.



Sequence Diagram

The sequence diagram serves the purpose of visually representing the interactions between different components of the system and illustrating the flow of control during user scenarios. It offers an overview of the main actors involved, clarifying their roles within the system and how they contribute to fulfilling user requests. The sequence of interactions depicted in the diagram follows a chronological order, detailing messages exchanged, method calls, and responses passed between components.



DFD Diagram

The Data Flow Diagram (DFD) serves as a crucial visual representation of how data traverses the system and the various processes responsible for handling it. This section begins by elucidating the diagram's purpose, emphasizing its role in illustrating data flow dynamics and process interactions. It outlines the different levels of DFD utilized in the report, ranging from broad overviews to more detailed depictions of specific processes.

DFD Level-0

DFD Level-1