SOFTWARE REQUIREMENT SPECIFICATION

FILM INDUSTRY DATABASE

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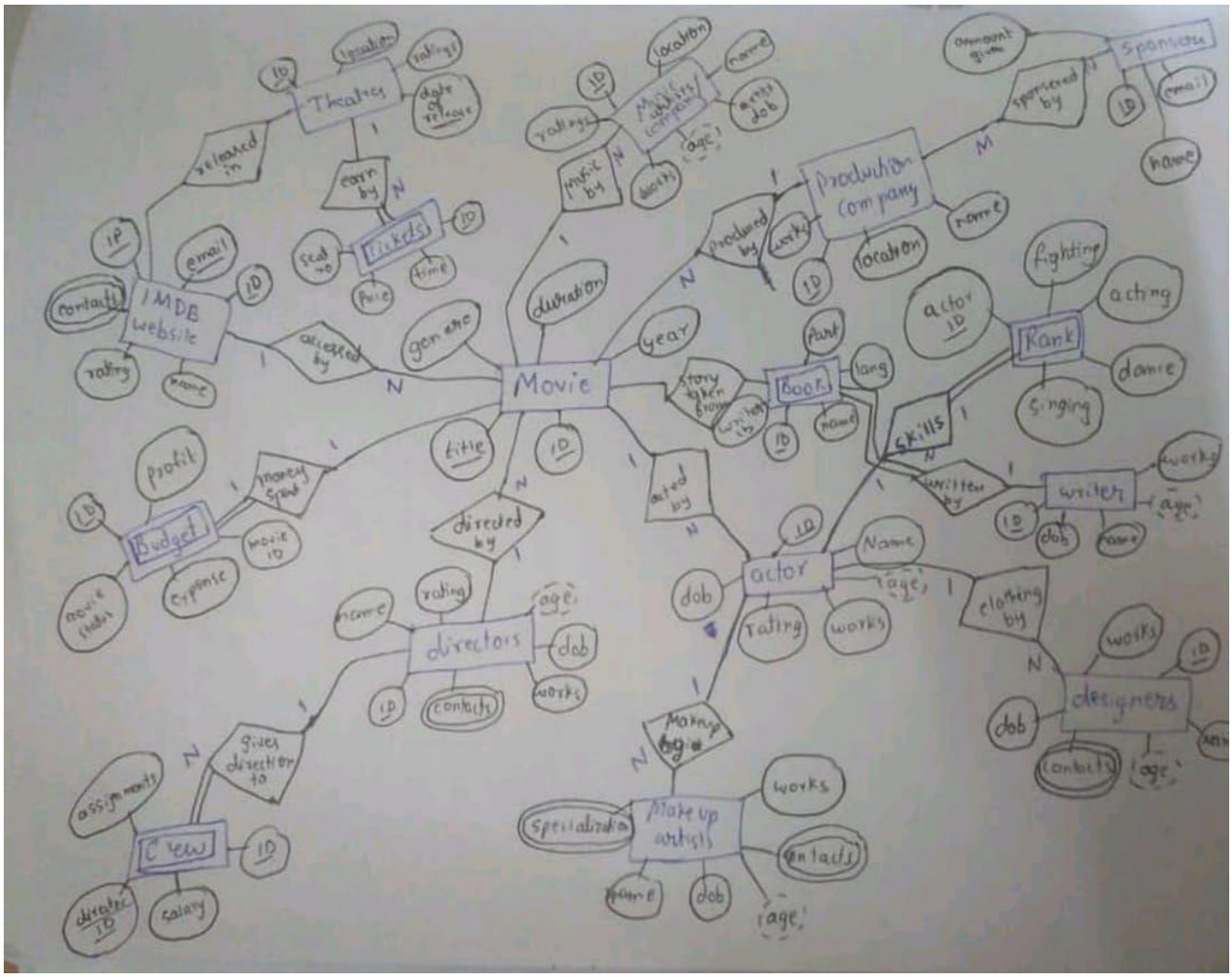
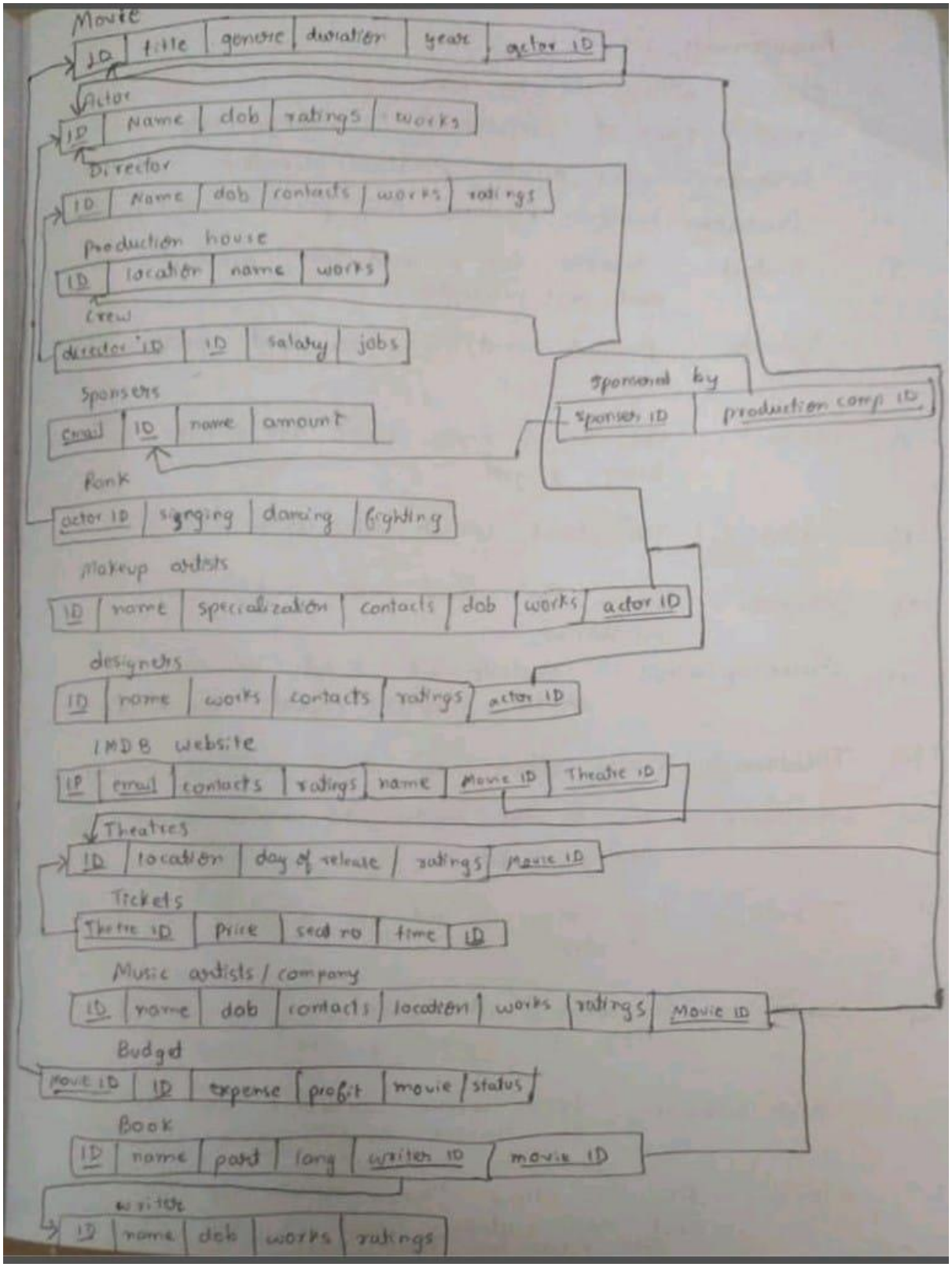
Software Requirement Specification (SRS) Document

Entity-Relationship (ER) Diagram: An Entity-Relationship (ER) diagram is a visual representation of the data model that depicts entities, attributes, and relationships among them in a database. ER diagrams are commonly used in database design and systems analysis to illustrate the logical structure of a database.



Relational Schema: A relational schema is a framework for organizing and representing data in a relational database. It defines the structure and organization of the database, including tables, columns, data types, and relationships between tables.



1. Introduction:

1.1 Objective:

The purpose of this film management system is to effectively run its economy making it easier to hire directors/actors, publish movies, and write books about the story.

1.2 Scope:

The Film Management System is intended to facilitate the management of films, user interactions, and transactions related to film rentals and purchases.

1.3 Document Conventions:

User: General public

Admins: moderate and validate the data

2. Overall Description

2.1 Product Perspective:

The system will function as an independent Web Server keeping track of all the individuals present in the industry along with the productions like music and films.

2.2 Product Features :

1. Easy access to careers individuals:
2. Ease of access to sponsors
3. Budget management
4. Derived entertainment materials like books
5. Collaboration with other companies (eg for music production)
6. Access to data of all the movies ever made.

2.3 User Classes and Characteristics:

User- can access movies, and publicly available data of individuals

Admin: can access and delete all present data

3. System Features:

3.1: Easy access to careers individuals:

-Users can access all actors present in the particular movie

-Users can see all movies worked on by the actors

3.2: Ease of access to sponsors:

-Directors can easily search of sponsors in the initial stages of the movie

3.3: Budget management:

-Sponsors can keep a track on how the given budget was used

3.4: Derived entertainment materials like books:

-Users can find and buy written material based on the movie

3.5: Collaboration with other companies:

-Entities currently working on the movie can contact other entities for music, props etc

3.6: Access to data of all the movies ever made:

-Users can scroll through an unlimited set of movies

-Users can rate and report movies

4. External Interface Requirements:

4.1 User Interfaces:

The system will have an intuitive and user-friendly web interface accessible via web browsers on desktop.

4.2 Hardware Interfaces:

- Processor: Intel(R) Core(TM) i5
- Minimum Installed memory (RAM): 4.00GB
- Minimum Storage of 15GB
- System type: 32-bit Operating System, x32-based processor
- Web server and database server

4.3 Software Interfaces:

- Operating System: Microsoft windows 7 and above.
- Database: MySql
- Frontend: HTML,CSS

5. Non-functional Requirements

5.1 Performance:

The system should handle simultaneous users without performance degradation.

5.2 Security:

Private data of Actors should be hidden and user connections should be secured.

5.3 Scalability:

The system architecture should be scalable to handle increased loads and additional features in the future.

6. Conclusion:

This document, the Software Requirement Specification, delineates the requisites and functionalities of the Film Industry Management System. It acts as an exhaustive roadmap for the development team, ensuring the system is

constructed in alignment with designated functionalities and quality benchmarks.