

# Chalanachitram : Tollywood Film Industry

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**Introduction:** Our database is dedicated to the Telugu film industry, popularly known as Tollywood. We meticulously gather and organize comprehensive information on movies, including details about the cast and crew involved in their production. It is important to note that our database is rooted in real-world data, not a fictional creation. Our primary objective is to create meaningful connections and relationships between movies, actors, directors, producers, and other key figures in the Tollywood film industry.

**Purpose:** Cinema stands as a powerful medium for storytelling, offering a unique and immersive method to communicate intricate narratives and elicit profound emotions. Recognizing the captivating nature of this medium, we embarked on the journey to create a database dedicated to cinema. We understand that in the pursuit of crafting exceptional films, individuals invest their utmost dedication and creativity. Through this database, we aim to meticulously document their efforts, serving as a valuable resource for newcomers to the industry. Our database caters to a diverse range of users, offering distinct perspectives to cater to their specific needs.

## **Users:**

- We the team members are the designers and administrators for this database. We also update the database.
- Recognised Social media partners are the NAIVE users who constantly keep updating the database. These people have access to add / update data from the database.
- Sophisticated : critics, Movie makers and reviewers etc. these people can have access to view the database in different formats. they can request for more requirements for the database.
- Stand-Alone users : Rating platforms, OTT platforms and social media etc. these people can change some data and we will try to consider the average among them (eg : Rating).
- Casual users : Film fans, general audience etc. These people can just view the data they don't have access to edit the database.

## **Applications:**

- People can use our database to know about a movie by its rating, cast and crew.
- We will be showing different types of views to the different types of users. for suppose a movie team wants to release some particular movie on some particular date. they can use our database to check the movies releasing on that day, how powerful it is?
- as we give write rights to only trusted people so the data is accurate.
- the way of storing data is different from other existing database. our database works faster for the above mentioned requirements only.

## Database Requirements:

### Assumptions:

- 1) Our database is related to recent Telugu cinemas only.
- 2) No movie exists without a director.
- 3) Actors may not be acted in animation movies.
- 4) In auto-biography, characters play their own character.

### Entity Types :

Entity type	Attributes	Attribute type	Keys	Data type
Actors	Name Original Name Role Experience Upcoming Hits : Flops	Composite Composite Multi valued - Multi valued Derived	Original Name Name	CHAR CHAR CHAR INT CHAR FLOAT
Directors	Name #Films Upcoming Best movie Experience Hits : Flops	Composite - Multi Valued - - Derived	Name	CHAR INT CHAR CHAR INT FLOAT
Producers	Name Max_Investment Production Experience Hits : Flops	Composite - - - -	Name Production	CHAR INT CHAR INT FLOAT
Movies	Name Duration Sensor Year Languages Budget Collections	- Composite - - Multi Valued - -	Name Year *Director	CHAR INT CHAR INT CHAR INT INT
Songs	Name Singer Lyrics Music Director Media	- Multi Valued Multi Valued - Multi Valued	Name Music Director	CHAR CHAR CHAR CHAR CHAR
Distributions	Name #Theaters OTT Release Data	Composite - Multi Valued -	Name	CHAR INT CHAR INT
Awards	Name Level Since Year Films	- - - - -	Name Year	CHAR CHAR INT INT CHAR
Crew team	Name Department Company	Composite - -	Name *Movie	CHAR CHAR CHAR

	Work	-		CHAR
Characters	Name	-	Name	CHAR
	Specials	Multi	*Actor, *Movie	CHAR
Events	Name	-	Name	CHAR
	Date	-	*Movie	INT
	Budget	-		INT
	Location	-		CHAR
	Guest	Multi		CHAR

\*Represents that the partial key requires it for Identification. Grey colour entities are Weak and White colour entities are strong.

### Relationships :

Type	Degree	Definition	Cardinality
Direction	2	*Director   Directs   *Movies	N:1
Acting	2	Actors   Acting   Movies	M:N
Work	2	Crew Team   Works   *Movies	M:N
Promotion	2	*Events   Promote   Movies	1:N
Music	2	Movies   Music   Songs	1 : N
Media	2	*Movie   Media   *Distribution	N:1
Production	2	Producer   Produces   Movies	N : M
Honors	2	Movies   Honoured   *Awards	N : M
Story Telling	3	*Directors   *Actors   *Producers	1 : N : M
Remuneration	4	Producer   Director   Actors   *Crew Team	1 : 1 : N : M
Clash	2	Movie   Movie	1 : N

\*Marked Entity types participate in total participation in Relation

### Functional Requirements :

#### Functional Requirement 1 - Insertion:

Our database should allow team members and recognized social media partners to insert new data, including movie information, cast and crew details, and other related information. Data entry should be straightforward and user-friendly, ensuring that accurate and comprehensive data can be added to the database.

#### Functional Requirement 2 - Deletion:

Authorized users should be able to delete records or information from the database when necessary. This feature ensures that outdated or incorrect data can be removed to maintain the accuracy and relevance of the database.

#### Functional Requirement 3 - Updating:

Team members and recognized social media partners should have the capability to update existing data in the database. This functionality is vital for keeping movie and industry-related information up to date and reflective of real-world developments.

#### Functional Requirement 4 - View Top 10 according to Rating, Budget:

The database should provide a feature that allows sophisticated users, movie makers, and reviewers to view the top 10 movies based on criteria such as rating and budget. This feature enables users to quickly identify successful movies and make informed decisions.

#### Functional Requirement 5 - Genre View:

Users, especially film fans and critics, should be able to access the database and view movies by genre. This allows users to explore films based on their specific interests and preferences.

**Functional Requirement 6 - Actor Perspective View:**

The database should offer a view that allows users to explore an actor's filmography, making it easier for fans and industry professionals to understand an actor's career and contributions.

**Functional Requirement 7 - Sorting:**

Users should have the ability to sort movie and industry-related data based on various criteria. This feature provides flexibility in how users interact with the database, enabling them to organize and find information as needed.

**Functional Requirement 8 - Searching:**

The database should include a robust search feature that allows users to search for specific movies, actors, directors, or any other relevant data. This feature makes it easy for users to find specific information quickly.

**Summary :**

The database introduced in this document is dedicated to the Telugu film industry, known as Tollywood, and is rooted in real-world data, offering comprehensive information on movies and the cast and crew involved in their production. The primary purpose of this database is to create meaningful connections and relationships within the Tollywood film industry. It caters to a diverse range of users, including the database administrators, recognized social media partners, sophisticated users like critics and movie makers, as well as standalone users such as rating platforms and casual users.

The database's applications include providing information about movies by their rating, cast, and crew, helping movie teams plan releases, and ensuring data accuracy by granting write access only to trusted individuals. This database distinguishes itself by its unique data storage approach, which enables faster retrieval for specific requirements. The strong entity types include actors, directors, producers, songs, distributions, and awards, while weak entity types encompass movies, crew teams, and events. The database relies on various relationship types, such as direction, acting, work, promotion, music, media, production, honours, story-telling, and remuneration, to establish connections. Its functional requirements include insertion, deletion, updating, viewing top movies based on rating and budget, genre-specific views, actor perspective views, sorting, and searching.

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