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## D.B.M.S Project

### (D.D.L. Queries for creation of tables)

– *By Group 2*



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## *D.D.L. Queries for all the tables*

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### **DDL QUERIES:**

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-- Table 1: User
CREATE TABLE User (
    User_ID INT PRIMARY KEY,
    username VARCHAR (255) NOT NULL,
    password VARCHAR(255) NOT NULL,
    email VARCHAR(255) NOT NULL,
    free_trial_start_date DATE,
    date_of_birth DATE,
    UNIQUE (email, username)
);

-- Table 2: Age_limit
CREATE TABLE Age_limit (
    date_of_birth DATE PRIMARY KEY,
    age_restrictions INT NOT NULL
);

-- Table 3: Movie
CREATE TABLE Movie (
    Movie_name VARCHAR(255) PRIMARY KEY,
    movie_imdb_rating DECIMAL(3, 1),
    movie_rotten_tomatoes_rating DECIMAL(3, 1),
    movie_earnings DECIMAL(10, 2),
    movie_age_limit DATE,
    FOREIGN KEY (movie_age_limit) REFERENCES Age_limit(date_of_birth)
);

-- Table 4: MovieLanguage
CREATE TABLE MovieLanguage (
    Movie_name VARCHAR(255),
    movie_language VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 5: MovieGenre
CREATE TABLE MovieGenre (
    Movie_name VARCHAR(255),
    movie_genre VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);
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-- Table 6: MovieAward
CREATE TABLE MovieAward (
    Movie_name VARCHAR(255),
    movie_award VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 7: MoviePlatform
CREATE TABLE MoviePlatform (
    Movie_name VARCHAR(255),
    Platform_name VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 8: Director
CREATE TABLE Director (
    Movie_name VARCHAR(255),
    director_name VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 9: Actor
CREATE TABLE Actor (
    Movie_name VARCHAR(255),
    actor_name VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 10: Actress
CREATE TABLE Actress (
    Movie_name VARCHAR(255),
    actress_name VARCHAR(255),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

-- Table 11: WebSeries
CREATE TABLE WebSeries (
    WebSeries_name VARCHAR(255) PRIMARY KEY,
    webseries_imdb_rating DECIMAL(3, 1),
    webseries_rotten_tomatoes_rating DECIMAL(3, 1),
    webseries_earnings DECIMAL(10, 2),
    webseries_age_limit DATE,
    FOREIGN KEY (webseries_age_limit) REFERENCES Age_limit(date_of_birth)
);

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-- Table 12: WebSeriesLanguage
CREATE TABLE WebSeriesLanguage (
    WebSeries_name VARCHAR(255),
    webseries_language VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 13: WebSeriesGenre
CREATE TABLE WebSeriesGenre (
    WebSeries_name VARCHAR(255),
    webseries_genre VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 14: WebSeriesAward
CREATE TABLE WebSeriesAward (
    WebSeries_name VARCHAR(255),
    webseries_award VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 15: WebSeriesPlatform
CREATE TABLE WebSeriesPlatform (
    WebSeries_name VARCHAR(255),
    Platform_name VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 16: Director (for WebSeries)
CREATE TABLE DirectorWebSeries (
    WebSeries_name VARCHAR(255),
    director_name VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 17: Actor (for WebSeries)
CREATE TABLE ActorWebSeries (
    WebSeries_name VARCHAR(255),
    actor_name VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 18: Actress (for WebSeries)
CREATE TABLE ActressWebSeries (
    WebSeries_name VARCHAR(255),
    actress_name VARCHAR(255),
    FOREIGN KEY (WebSeries_name) REFERENCES WebSeries(WebSeries_name)
);

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-- Table 19: StudentInfo
CREATE TABLE StudentInfo (
    User_ID INT,
    Student_ID INT PRIMARY KEY,
    trial_start_date DATE,
    age_limit DATE,
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (age_limit) REFERENCES Age_limit(date_of_birth)
);

-- Table 20: TrialInfo
CREATE TABLE TrialInfo (
    trial_start_date DATE PRIMARY KEY,
    trial_end_date DATE
);

-- Table 21: User_Subscription
CREATE TABLE User_Subscription (
    User_ID INT,
    subscription_type VARCHAR(255),
    start_date DATE,
    FOREIGN KEY (User_ID) REFERENCES User(User_ID)
);

-- Table 22: Subscription_status
CREATE TABLE Subscription_status (
    start_date DATE,
    end_date DATE,
    subscription_status VARCHAR(255),
    PRIMARY KEY (start_date, end_date),
    FOREIGN KEY (start_date) REFERENCES TrialInfo(trial_start_date)
);

-- Table 23: Gold_user
CREATE TABLE Gold_user (
    User_ID INT,
    Movie_name VARCHAR(255),
    Webseries_name VARCHAR(255),
    time_span INT,
    earnings DECIMAL(10, 2),
    `3-D_view` BOOLEAN,
    Webseries_totalepisodes INT,
    description TEXT,
    PRIMARY KEY (User_ID, Movie_name, Webseries_name),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name),
    FOREIGN KEY (Webseries_name) REFERENCES WebSeries(WebSeries_name)
);

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-- Table 24: Platinum_user
CREATE TABLE Platinum_user (
    User_ID INT,
    Movie_name VARCHAR(255),
    Webseries_name VARCHAR(255),
    download_availability BOOLEAN,
    Quality_available BOOLEAN,
    watch_party BOOLEAN,
    VR_view BOOLEAN,
    PRIMARY KEY (User_ID, Movie_name, Webseries_name),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name),
    FOREIGN KEY (Webseries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 25: User_Device
CREATE TABLE User_Device (
    User_ID INT,
    User_Device_ID INT,
    PRIMARY KEY (User_ID, User_Device_ID),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID)
);

-- Table 26: Favourite_list
CREATE TABLE Favourite_list (
    User_ID INT,
    Movie_name VARCHAR(255),
    Webseries_name VARCHAR(255),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name),
    FOREIGN KEY (Webseries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 27: Add_favourites
CREATE TABLE Add_favourites (
    User_ID INT,
    subscription_type VARCHAR(255),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID)
);

-- Table 28: Has_access (Movie)
CREATE TABLE Has_access_Movie (
    User_ID INT,
    Movie_name VARCHAR(255),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (Movie_name) REFERENCES Movie(Movie_name)
);

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-- Table 29: Has_access (WebSeries)
CREATE TABLE Has_access_WebSeries (
    User_ID INT,
    Webseries_name VARCHAR(255),
    FOREIGN KEY (User_ID) REFERENCES User(User_ID),
    FOREIGN KEY (Webseries_name) REFERENCES WebSeries(WebSeries_name)
);

-- Table 30: Purchases
CREATE TABLE Purchases (
    User_ID INT,
    subscription_type VARCHAR(255),
    start_date DATE,
    FOREIGN KEY (User_ID) REFERENCES User(User_ID)
);

-- Table 31: Timeline
CREATE TABLE Timeline (
    start_date DATE,
    end_date DATE,
    subscription_status VARCHAR(255),
    PRIMARY KEY (start_date, end_date),
    FOREIGN KEY (start_date) REFERENCES Subscription_status(start_date)
);

```