Diagram, schematic

Description automatically generated

|  |  |  |
| --- | --- | --- |
| **TABLE NAME** | **PRIMAY KEY** | **FOREIGN KEY** |
| **Film** | **Film\_Id** | **Language\_Id** |
| **Customer** | **Customer\_Id** | **Store\_Id** |
|  |  | **Address\_Id** |
| **Payment** | **Payment\_Id** | **Customer\_Id** |
|  |  | **Staff\_Id** |
|  |  | **Rental\_Id** |
| **Rental** | **Rental\_Id** | **Inventory\_Id** |
|  |  | **Customer\_Id** |
|  |  | **Staff\_Id** |
| **Inventory** | **Inventory\_Id** | **Film\_Id** |
|  |  | **Store\_Id** |
|  |  |  |
|  |  |  |

**TASK I PART I**

**TASK 2 PART 1**

2 issues with how the table is currently organized

1 The table is not atomic and single valued

2 The Non-key fields which are not functionally dependent included in the table

|  |  |  |  |
| --- | --- | --- | --- |
| **Task 2**  **Part 2 Normalization** | |  |  |
|  |  |  |  |
| **Film** | | |  |
| **Film\_Id** | **Title** | **Length** |  |
| **1** | **ACADEMY DINOSAUR** | **86** |  |
| **2** | **ACE GOLDFINGER** | **48** |  |
| **3** | **ADAPTATION HOLES** | **50** |  |
| **4** | **AFFAIR PREJUDICE** | **117** |  |
| **5** | **AFRICAN EGG** | **130** |  |
| **7** | **AIPORT POLLICK** | **54** |  |
| **6** | **AIRPLANE SIERRA** | **62** |  |
| **9** | **ALADDIN CALENDAR** | **60** |  |
| **8** | **ALADDIN CALENDAR** | **114** |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Features** | | | **Features\_Id** | **Column2** | | **2** | **Behind the Scenes** | | **4** | **Commentaries** | | **1** | **Deleted Scenes** | | **3** | **Trailers** | |  |  | |

|  |  |
| --- | --- |
| **Genre** | |
| **Genre\_Id** | **Genre** |
| **2** | **Action** |
| **4** | **Drama** |
| **1** | **Fantasy** |
| **3** | **Horror** |
| **5** | **Romance** |
|  |  |

|  |  |
| --- | --- |
| **Rating** | |
| **Rating\_Id** | **Rating** |
| **1** | **G** |
| **2** | **PG** |
| **3** | **PG-13** |
| **4** | **NC-17** |
| **5** | **R** |
|  |  |

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| --- | --- | --- | --- |
| **TASK 3 PART 1 CREATE VIEW** | | |  |
|  |  |  |  |
| CREATE VIEW get\_film\_actor |  |  |  |
| AS |  |  |  |
| SELECT f.Film\_id, f.title,f.description, c.name as film\_Category, A.first\_name,A.last\_name | | | |
| FROM film as f JOIN film\_category fC on f.film\_id = fC.film\_id | |  |  |
| JOIN actor A on A.actor\_id = f.film\_id |  |  |  |
| JOIN Category C on C. Category\_id = fc.Category\_id | |  |  |
|  |  |  |  |
|  |  |  |  |
| **TASK 4 PART 1 ADVANCED PROCEDURE** | | | |
|  |  |  |  |
| DELIMITER // |  |  |  |
| CREATE PROCEDURE GetDiscription() |  |  |  |
| BEGIN |  |  |  |
| select title, description from film |  |  |  |
| where description like "%space%"; |  |  |  |
| END // |  |  |  |
| DELIMITER; |  |  |  |
|  |  |  |  |
| **TASK 5** | | | |
| PART I  The table updated to change the password data type to varchar because the length of the password in the insert statement doesn’t match with the binary data type.   |  |  |  |  | | --- | --- | --- | --- | | **PART II** |  |  |  | |  |  |  |  | | # SHA1('movielover1') |  |  |  | | 'b334be0d71b1471724b82204d4be7938fe3d8c9c' |  |  |  | |  |  |  |  | | # SHA1('Bossman99') |  |  |  | | '916eb7ca53a1eefa41df8fbc3e71984da052cd44' |  |  |  |   **TASK 6**  **PART I**  **View**  -- This view created to display film information with actors first and last name  CREATE VIEW get\_film\_actor  AS  SELECT f.Film\_id, f. title,f.description, c.name as film\_Category, A.first\_name,A.last\_name  FROM film as f JOIN film\_category fC on f. film\_id = fC. film\_id  JOIN actor A on A.actor\_id = f.film\_id  JOIN Category C on C. Category\_id = fc. Category\_id.  **Store Procedure**  **-- This Store Procedure created to display specific film description**  DELIMITER //  CREATE PROCEDURE GetDiscription ()  BEGIN  select title, description from film  where description like "%space%";  END //  DELIMITER. | |  |  |
|  |  |  |  |
|  |  |  |  |