-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

-- -----------------------------------------------------

-- Schema mydb

-- -----------------------------------------------------

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-- Schema Mousivand\_SMD

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-- -----------------------------------------------------

-- Schema Mousivand\_SMD

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `Mousivand\_SMD` DEFAULT CHARACTER SET utf8 ;

USE `Mousivand\_SMD` ;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`User`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`User` (

`Username` VARCHAR(45) NOT NULL,

`First\_Name` VARCHAR(45) NOT NULL,

`Last\_Name` VARCHAR(45) NOT NULL,

`Credit\_Card\_No` VARCHAR(45) NOT NULL,

`Billing Address` VARCHAR(100) NULL DEFAULT NULL,

PRIMARY KEY (`Username`),

UNIQUE INDEX `Username\_UNIQUE` (`Username` ASC) VISIBLE)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Account`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Account` (

`Account\_Number` INT NOT NULL,

`Password` VARCHAR(45) NOT NULL,

`Username` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Account\_Number`, `Username`),

INDEX `fk\_Account\_User1\_idx` (`Username` ASC) VISIBLE,

CONSTRAINT `User\_Account\_Fk`

FOREIGN KEY (`Username`)

REFERENCES `Mousivand\_SMD`.`User` (`Username`)

ON DELETE CASCADE

ON UPDATE CASCADE,

CONSTRAINT `User\_Delete\_Casc`

FOREIGN KEY (`Username`)

REFERENCES `Mousivand\_SMD`.`User` (`Username`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Movie`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Movie` (

`ID` INT NOT NULL,

`Title` VARCHAR(45) NOT NULL,

`Genre` VARCHAR(45) NULL DEFAULT NULL,

`Description` VARCHAR(1500) NULL DEFAULT NULL,

`Director` VARCHAR(45) NULL DEFAULT NULL,

`Actors` VARCHAR(145) NULL DEFAULT NULL,

`Year` INT NULL DEFAULT NULL,

`Runtime (Minutes)` INT NULL DEFAULT NULL,

`Rating` FLOAT NULL DEFAULT NULL,

`Votes` INT NULL DEFAULT NULL,

`Revenue (Millions)` FLOAT NULL DEFAULT NULL,

`Metascore` FLOAT NULL DEFAULT NULL,

PRIMARY KEY (`ID`),

UNIQUE INDEX `Title\_UNIQUE` (`Title` ASC) VISIBLE,

INDEX `title\_index` USING BTREE (`Title`) VISIBLE)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Adds\_to\_Playlist`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Adds\_to\_Playlist` (

`Account\_Number` INT NOT NULL,

`Username` VARCHAR(45) NOT NULL,

`Movie\_ID` INT NOT NULL,

PRIMARY KEY (`Account\_Number`, `Username`, `Movie\_ID`),

INDEX `fk\_Adds to Playlist\_Movie1\_idx` (`Movie\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Adds to Playlist\_Account1`

FOREIGN KEY (`Account\_Number` , `Username`)

REFERENCES `Mousivand\_SMD`.`Account` (`Account\_Number` , `Username`),

CONSTRAINT `fk\_Adds to Playlist\_Movie1`

FOREIGN KEY (`Movie\_ID`)

REFERENCES `Mousivand\_SMD`.`Movie` (`ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Bill`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Bill` (

`Start\_Date` DATE NOT NULL,

`Monthly\_Fee` FLOAT NOT NULL,

`Username` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Start\_Date`, `Username`),

INDEX `fk\_Suscription\_User1\_idx` (`Username` ASC) VISIBLE,

CONSTRAINT `fk\_Suscription\_User1`

FOREIGN KEY (`Username`)

REFERENCES `Mousivand\_SMD`.`User` (`Username`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Deleted\_Movie`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Deleted\_Movie` (

`ID` INT NOT NULL,

`Title` VARCHAR(45) NOT NULL,

`Genre` VARCHAR(45) NULL DEFAULT NULL,

`Description` VARCHAR(1500) NULL DEFAULT NULL,

`Director` VARCHAR(45) NULL DEFAULT NULL,

`Actors` VARCHAR(145) NULL DEFAULT NULL,

`Year` INT NULL DEFAULT NULL,

`Runtime (Minutes)` INT NULL DEFAULT NULL,

`Rating` FLOAT NULL DEFAULT NULL,

`Votes` INT NULL DEFAULT NULL,

`Revenue (Millions)` FLOAT NULL DEFAULT NULL,

`Metascore` FLOAT NULL DEFAULT NULL)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Report`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Report` (

`Report\_Number` INT NOT NULL,

`Description` VARCHAR(1000) NOT NULL,

`Account\_Number` INT NOT NULL,

`Username` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Report\_Number`),

INDEX `fk\_Report\_Account1\_idx` (`Account\_Number` ASC, `Username` ASC) VISIBLE,

CONSTRAINT `fk\_Report\_Account1`

FOREIGN KEY (`Account\_Number` , `Username`)

REFERENCES `Mousivand\_SMD`.`Account` (`Account\_Number` , `Username`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

-- -----------------------------------------------------

-- Table `Mousivand\_SMD`.`Watches`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`Watches` (

`Date` DATE NOT NULL,

`Movie\_ID` INT NOT NULL,

`Account\_Number` INT NOT NULL,

`Username` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Date`, `Movie\_ID`, `Account\_Number`, `Username`),

INDEX `fk\_Watches\_Movie1\_idx` (`Movie\_ID` ASC) VISIBLE,

INDEX `fk\_Watches\_Account1\_idx` (`Account\_Number` ASC, `Username` ASC) VISIBLE,

CONSTRAINT `fk\_Watches\_Account1`

FOREIGN KEY (`Account\_Number` , `Username`)

REFERENCES `Mousivand\_SMD`.`Account` (`Account\_Number` , `Username`),

CONSTRAINT `fk\_Watches\_Movie1`

FOREIGN KEY (`Movie\_ID`)

REFERENCES `Mousivand\_SMD`.`Movie` (`ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb3;

USE `Mousivand\_SMD` ;

-- -----------------------------------------------------

-- Placeholder table for view `Mousivand\_SMD`.`CA\_Credit\_Card`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `Mousivand\_SMD`.`CA\_Credit\_Card` (`Username` INT, `Credit\_Card\_No` INT);

-- -----------------------------------------------------

-- procedure Actor\_Search

-- -----------------------------------------------------

DELIMITER $$

USE `Mousivand\_SMD`$$

CREATE DEFINER=`root`@`%` PROCEDURE `Actor\_Search`(in A varchar(45))

begin

select \* from Movie

where Actors like CONCAT('%', A ,'%') ;

end$$

DELIMITER ;

-- -----------------------------------------------------

-- procedure Add\_Account

-- -----------------------------------------------------

DELIMITER $$

USE `Mousivand\_SMD`$$

CREATE DEFINER=`root`@`%` PROCEDURE `Add\_Account`(in UN Varchar(45), in P Varchar(45), AN INT)

begin

insert ignore into Account values (US, md5(P), AN);

end$$

DELIMITER ;

-- -----------------------------------------------------

-- procedure Add\_User

-- -----------------------------------------------------

DELIMITER $$

USE `Mousivand\_SMD`$$

CREATE DEFINER=`root`@`%` PROCEDURE `Add\_User`(in UN Varchar(45), in FN Varchar(45) , in LN Varchar(45), in CC\_No Varchar(45),in Ad Varchar(45) ,in P Varchar(45))

begin

insert ignore into User values (UN, FN, LN, CC\_No, Ad);

insert ignore into Account values (UN, md5(P), 1);

end$$

DELIMITER ;

-- -----------------------------------------------------

-- procedure Rating\_Search

-- -----------------------------------------------------

DELIMITER $$

USE `Mousivand\_SMD`$$

CREATE DEFINER=`root`@`%` PROCEDURE `Rating\_Search`(in R Float)

begin

select \* from Movie

where Rating >= R;

end$$

DELIMITER ;

-- -----------------------------------------------------

-- procedure Title\_Search

-- -----------------------------------------------------

DELIMITER $$

USE `Mousivand\_SMD`$$

CREATE DEFINER=`root`@`%` PROCEDURE `Title\_Search`(in T varchar(45))

begin

select \* from Movie

where Title like CONCAT('%', T ,'%') ;

end$$

DELIMITER ;

-- -----------------------------------------------------

-- View `Mousivand\_SMD`.`CA\_Credit\_Card`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `Mousivand\_SMD`.`CA\_Credit\_Card`;

USE `Mousivand\_SMD`;

CREATE OR REPLACE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL SECURITY DEFINER VIEW `Mousivand\_SMD`.`CA\_Credit\_Card` AS select `Mousivand\_SMD`.`User`.`Username` AS `Username`,`Mousivand\_SMD`.`User`.`Credit\_Card\_No` AS `Credit\_Card\_No` from `Mousivand\_SMD`.`User` where ((`Mousivand\_SMD`.`User`.`Billing Address` like '%California%') or (`Mousivand\_SMD`.`User`.`Billing Address` like '%CA%'));

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;