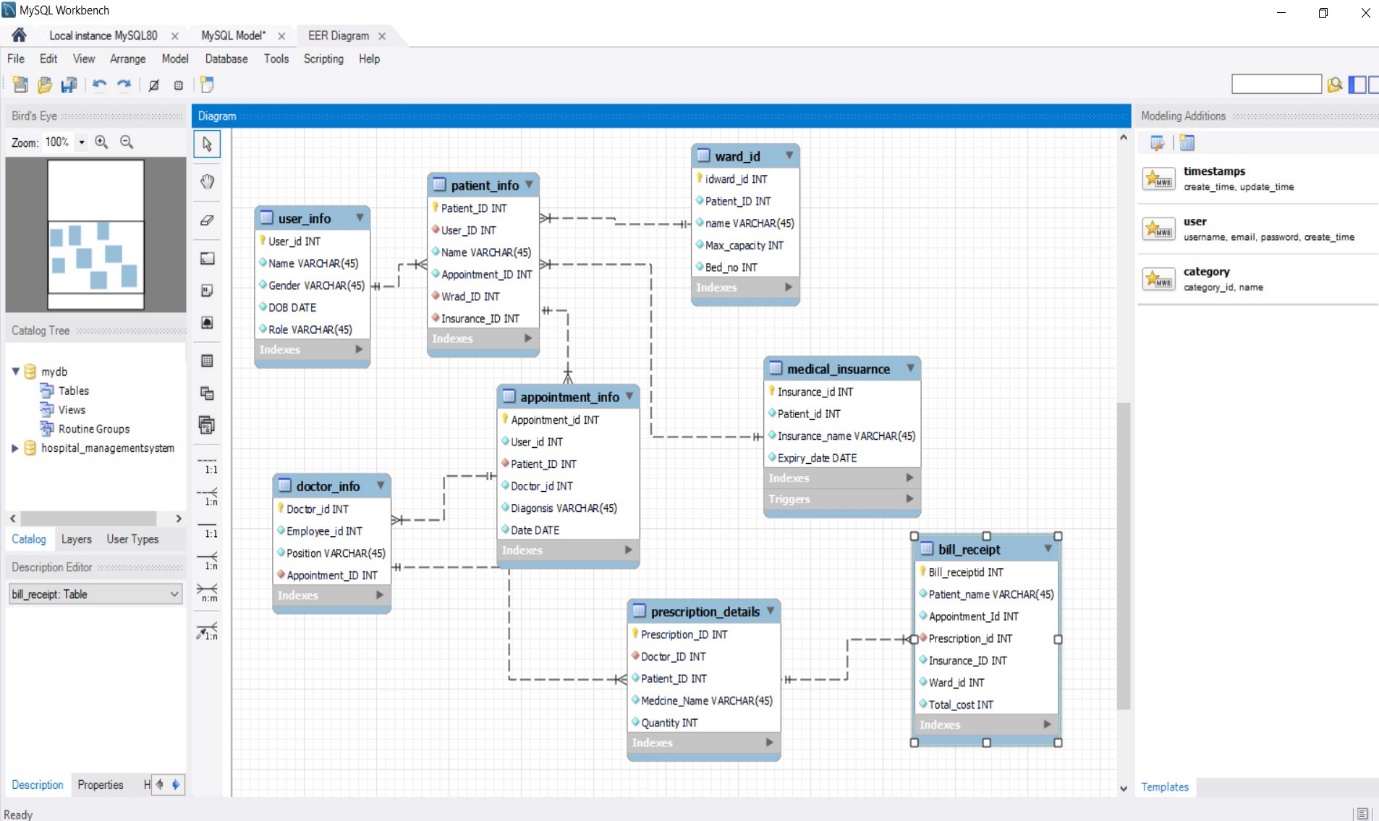
Defining the hospital management schema



Ward\_id

SELECT \* FROM hospital\_managementsystem.ward\_id;

INSERT INTO `hospital\_managementsystem`.`ward\_id` (`idward\_id`, `Patient\_ID`, `name`, `Max\_capacity`, `Bed\_no`) VALUES ('502', '1002', 'PQR', '5', '11');

INSERT INTO `hospital\_managementsystem`.`ward\_id` (`idward\_id`, `Patient\_ID`, `name`, `Max\_capacity`, `Bed\_no`) VALUES ('503', '1003', 'RST', '6', '12');

INSERT INTO `hospital\_managementsystem`.`ward\_id` (`idward\_id`, `Patient\_ID`, `name`, `Max\_capacity`, `Bed\_no`) VALUES ('504', '1004', 'WXY', '5', '13');

Medical\_isnurance

SELECT \* FROM hospital\_managementsystem.medical\_insuarnce;

INSERT INTO `hospital\_managementsystem`.`medical\_insuarnce` (`Insurance\_id`, `Patient\_id`, `Insurance\_name`, `Expiry\_date`) VALUES ('1102', '1002', 'LIC', '2024-02-16');

INSERT INTO `hospital\_managementsystem`.`medical\_insuarnce` (`Insurance\_id`, `Patient\_id`, `Insurance\_name`, `Expiry\_date`) VALUES ('1103', '1003', 'LIC', '2024-02-18');

INSERT INTO `hospital\_managementsystem`.`medical\_insuarnce` (`Insurance\_id`, `Patient\_id`, `Insurance\_name`, `Expiry\_date`) VALUES ('1104', '1004', 'LIC', '2024-02-11');

.user\_info;

SELECT \* FROM hospital\_managementsystem.user\_info;

INSERT INTO `hospital\_managementsystem`.`user\_info` (`User\_id`, `Name`, `Gender`, `DOB`) VALUES ('2002', 'PQR', 'M', '2002-04-20');

INSERT INTO `hospital\_managementsystem`.`user\_info` (`User\_id`, `Name`, `Gender`, `DOB`) VALUES ('2003', 'RST', 'F', '2000-05-09');

INSERT INTO `hospital\_managementsystem`.`user\_info` (`User\_id`, `Name`, `Gender`, `DOB`) VALUES ('2004', 'WXY', 'M', '2001-04-20');

patient\_info;

SELECT \* FROM hospital\_managementsystem.patient\_info;

INSERT INTO `hospital\_managementsystem`.`patient\_info` (`Patient\_ID`, `User\_ID`, `Name`, `Appointment\_ID`, `Wrad\_ID`, `Insurance\_ID`) VALUES ('1002', '2002', 'PQR', '102', '502', '1102');

INSERT INTO `hospital\_managementsystem`.`patient\_info` (`Patient\_ID`, `User\_ID`, `Name`, `Appointment\_ID`, `Wrad\_ID`, `Insurance\_ID`) VALUES ('1003', '2003', 'RST', '103', '503', '1103');

INSERT INTO `hospital\_managementsystem`.`patient\_info` (`Patient\_ID`, `User\_ID`, `Name`, `Appointment\_ID`, `Wrad\_ID`, `Insurance\_ID`) VALUES ('1004', '2004', 'WXY', '104', '504', '1104');

appointment\_info;

SELECT \* FROM hospital\_managementsystem.appointment\_info;

INSERT INTO `hospital\_managementsystem`.`appointment\_info` (`Appointment\_id`, `User\_id`, `Patient\_ID`, `Doctor\_id`, `Diagonsis`, `Date`) VALUES ('102', '2002', '1002', '2', 'Cough', '2024-01-15');

INSERT INTO `hospital\_managementsystem`.`appointment\_info` (`Appointment\_id`, `User\_id`, `Patient\_ID`, `Doctor\_id`, `Diagonsis`, `Date`) VALUES ('103', '2003', '1003', '3', 'Cold', '2024-01-17');

INSERT INTO `hospital\_managementsystem`.`appointment\_info` (`Appointment\_id`, `User\_id`, `Patient\_ID`, `Doctor\_id`, `Diagonsis`, `Date`) VALUES ('104', '2004', '1004', '1', 'Fever', '2024-01-23');

doctor\_info;

SELECT \* FROM hospital\_managementsystem.doctor\_info;

INSERT INTO `hospital\_managementsystem`.`doctor\_info` (`Doctor\_id`, `Employee\_id`, `Position`, `Appointment\_ID`) VALUES ('2', '002', 'Senior', '102');

INSERT INTO `hospital\_managementsystem`.`doctor\_info` (`Doctor\_id`, `Employee\_id`, `Position`, `Appointment\_ID`) VALUES ('3', '003', 'Junior', '103');

INSERT INTO `hospital\_managementsystem`.`doctor\_info` (`Doctor\_id`, `Employee\_id`, `Position`, `Appointment\_ID`) VALUES ('4', '004', 'Senior', '104');

prescription\_details;

SELECT \* FROM hospital\_managementsystem.prescription\_details;

INSERT INTO `hospital\_managementsystem`.`prescription\_details` (`Prescription\_ID`, `Doctor\_ID`, `Patient\_ID`, `Medcine\_Name`, `Quantity`) VALUES ('6666', '2', '1002', 'adderall', '4');

INSERT INTO `hospital\_managementsystem`.`prescription\_details` (`Prescription\_ID`, `Doctor\_ID`, `Patient\_ID`, `Medcine\_Name`, `Quantity`) VALUES ('7777', '3', '1003', 'ativan', '4');

INSERT INTO `hospital\_managementsystem`.`prescription\_details` (`Prescription\_ID`, `Doctor\_ID`, `Patient\_ID`, `Medcine\_Name`, `Quantity`) VALUES ('8888', '4', '1004', 'amoxicillin', '4');

bill\_receipt;

SELECT \* FROM hospital\_managementsystem.bill\_receipt;

INSERT INTO `hospital\_managementsystem`.`bill\_receipt` (`Bill\_receiptid`, `Patient\_name`, `Appointment\_Id`, `Prescription\_id`, `Insurance\_ID`, `Ward\_id`, `Total\_cost`) VALUES ('9902', 'PQR', '102', '6666', '1102', '502', '7000');

INSERT INTO `hospital\_managementsystem`.`bill\_receipt` (`Bill\_receiptid`, `Patient\_name`, `Appointment\_Id`, `Prescription\_id`, `Insurance\_ID`, `Ward\_id`, `Total\_cost`) VALUES ('9903', 'RST', '103', '7777', '1103', '503', '10000');

INSERT INTO `hospital\_managementsystem`.`bill\_receipt` (`Bill\_receiptid`, `Patient\_name`, `Appointment\_Id`, `Prescription\_id`, `Insurance\_ID`, `Ward\_id`, `Total\_cost`) VALUES ('9904', 'WXY', '104', '8888', '1104', '504', '11000');

Queries to perform:

Query to query to register new user role and personas

INSERT INTO `hospital\_managementsystem`.`user\_info` (`User\_id`, `Name`, `Gender`, `DOB`) VALUES ('2002', 'PQR', 'M', '2002-04-20');

INSERT INTO `hospital\_managementsystem`.`user\_info` (`User\_id`, `Name`, `Gender`, `DOB`) VALUES ('2003', 'RST', 'F', '2000-05-09');

upadated query

UPDATE `hospital\_managementsystem`.`user\_info` SET `Role` = 'Patient' WHERE (`User\_id` = '2001');

UPDATE `hospital\_managementsystem`.`user\_info` SET `Role` = 'Doctor' WHERE (`User\_id` = '2002');

UPDATE `hospital\_managementsystem`.`user\_info` SET `Role` = 'Doctor' WHERE (`User\_id` = '2003');

UPDATE `hospital\_managementsystem`.`user\_info` SET `Role` = 'Patient' WHERE (`User\_id` = '2004');

Query to query to add list of patient tagged by date

SELECT \*FROM appointment\_info

WHERE DATE(Date) BETWEEN '2024-01-17' AND '2024-01-23'

Query to fetech required detail of particular patient

Select Appointment\_ID,Name from patient\_info

where Patient\_ID='1001';

Query to prepare bill at end of checkpoint

Select bill\_receiptid,Patient\_name,Appointment\_id,prescription\_id,insurance\_id,ward\_id,total\_cost

from bill\_receipt;

Query to fetech and show related data(JOINS)

#Inner join

SELECT Name

FROM patient\_info

INNER JOIN appointment\_info ON patient\_info.Patient\_ID = appointment\_info.Patient\_ID;

#left outer join

SELECT Doctor\_id

FROM appointment\_info

LEFT JOIN doctor\_info ON appointment\_info.Appointment\_id = doctor\_info.Appointment\_ID;

#right outer join

SELECT Position

FROM appointment\_info

RIGHT JOIN doctor\_info ON appointment\_info.Appointment\_id = doctor\_info.Appointment\_ID;

#self join

SELECT \*

FROM prescription\_details, bill\_receipt

WHERE prescription\_details.Prescription\_id = bill\_receipt.Bill\_receiptid;

CREATE VIEW [appointment\_info] AS

SELECT Patient\_ID,Doctor\_ID

FROM

WHERE Patient\_ID = '100';

Necessary trigger to trigger Expiry limit

CREATE DEFINER=`root`@`localhost` TRIGGER `medical\_insuarnce\_AFTER\_INSERT` AFTER INSERT ON `medical\_insuarnce` FOR EACH ROW BEGIN

IF NEW.Expiry\_date >= DATE\_ADD(CURDATE(), INTERVAL 7 DAY) THEN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT = 'Alert:!';

END IF;

END

optimizing bill using stored procedures

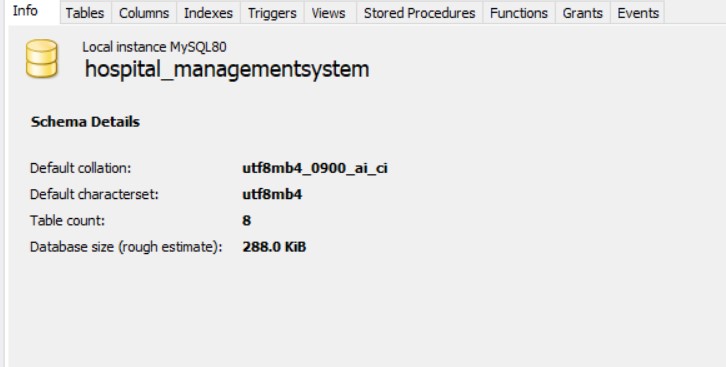
CREATE PROCEDURE optimized\_bill

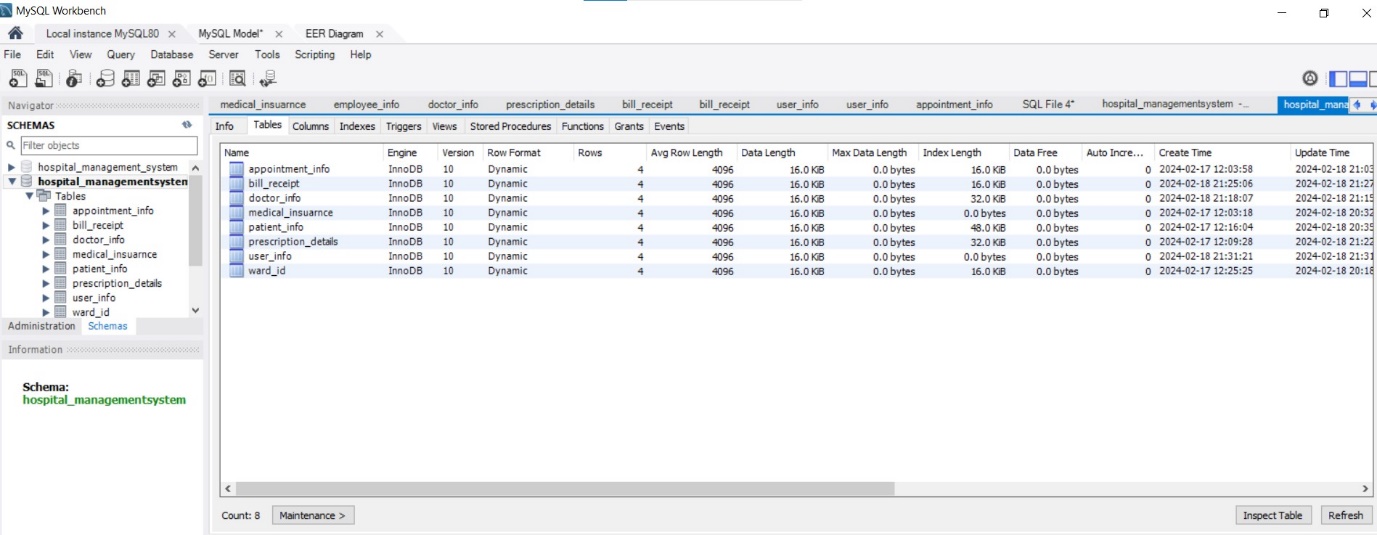
AS

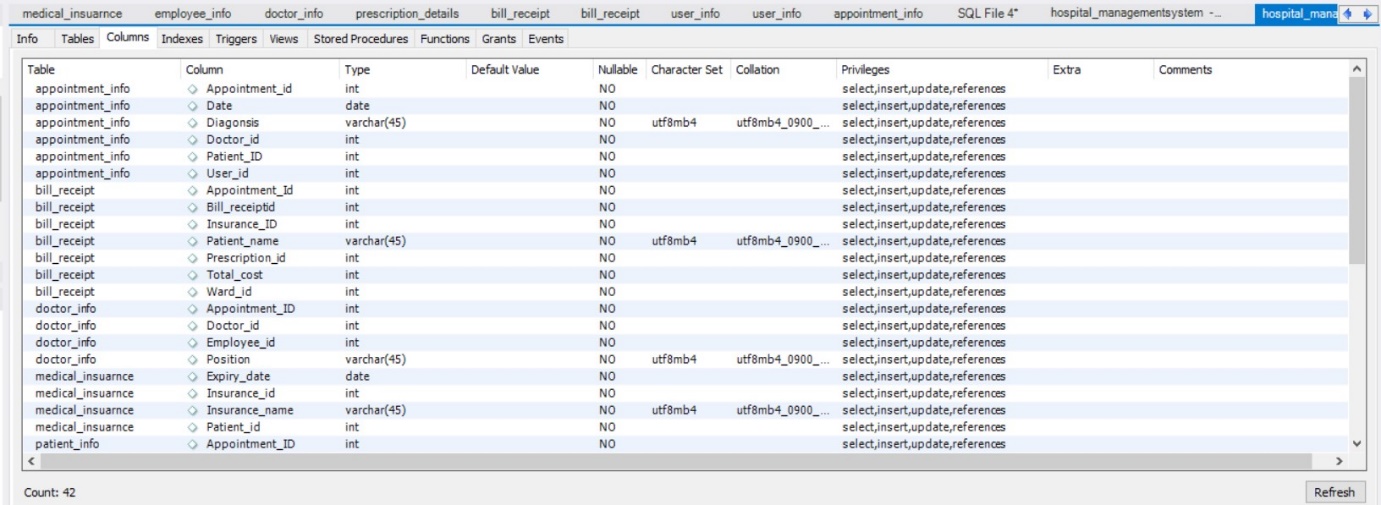
select\*from bill\_details;

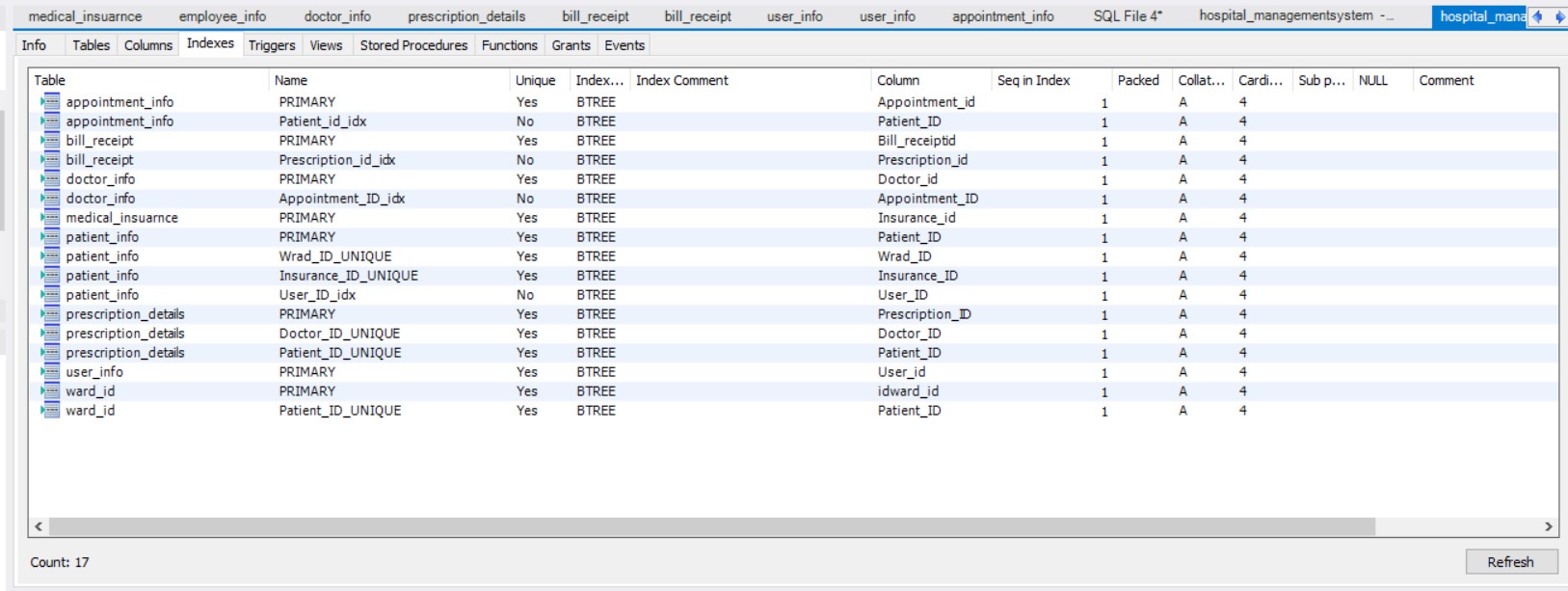
GO;

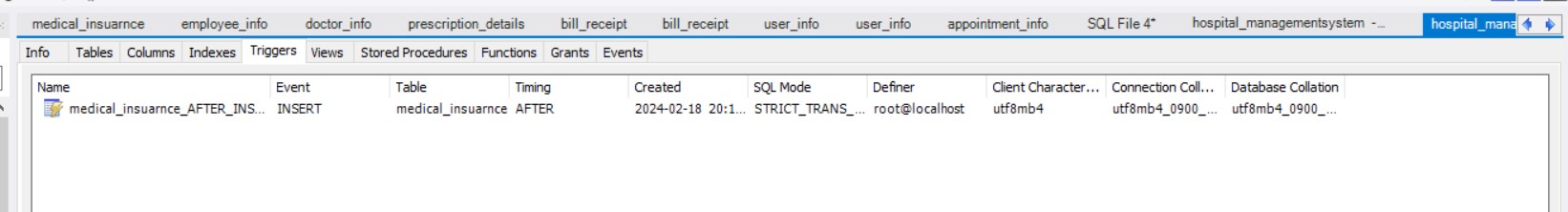
Output Snapshots:











Team collaboration activity:

