CS 4400 Section B

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Project Phase III Group #40 Members:

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**Login:**

* SELECT \* FROM User WHERE USERNAME='" . $username . "'
* SELECT \* FROM User WHERE USERNAME='" . $username . "' AND isManager=1

**USER:**

**Registration:**

* SELECT \* FROM User WHERE USERNAME='" . $username . "'
* SELECT \* FROM User WHERE EMAIL='" . $email . "'
* INSERT INTO User (Username, Password, Email) VALUES ('" . $username . "','". $password . "','" . $email . "')

**Add School Info:**

* UPDATE User SET isStudent = 1 WHERE Username='" . $this->get('security.token\_storage')->getToken()->getUser() . "'

**View Train Schedule:**

* SELECT \* FROM Train\_Route WHERE Train\_Number='" . $trainNumber. "'
* SELECT Train\_Route.Train\_Number, Arrival\_Time, Departure\_Time, Name FROM Train\_Route INNER JOIN Stop ON Train\_Route.Train\_Number=Stop.Train\_Number WHERE Train\_Route.Train\_Number=" . $trainNumber . " ORDER BY Arrival\_Time

//Make Reservation SQL Statements

**Payment Info:**

* SELECT \* FROM Payment\_Info WHERE Username='" . $user . "'
* INSERT INTO Payment\_Info (Card\_Number, Username, CVV, Exp\_Date, nameOnCard) VALUES ('" . $cardNumber . "','" . $user . "','" . $cardCVV . "','" . $date->format('Y-m-d H:i:s') . "','" . $cardName . "')
* SELECT \* FROM Reservation WHERE Card\_Number='" . $cardNumber . "' AND Username='" . $user . "'
* DELETE FROM Payment\_Info WHERE Card\_Number='" . $cardNumber . "' AND Username='" . $user . "'

//Update and Cancel Reservation SQL Statements

**View Review:**

* SELECT \* FROM Train\_Route WHERE Train\_Number='" . $trainNumber . "'
* SELECT Review.Rating, Review.Comment FROM Review WHERE Train\_Number = '" . $trainNumber . "'

**Give Review:**

* SELECT \* FROM Train\_Route WHERE Train\_Number='" . $trainNumber . "'
* SELECT Max(Review.ReviewID) as MaxID FROM Review
* INSERT INTO Review (ReviewID, Username, Train\_Number, Comment, Rating, ReviewDate) VALUES ('" . $new\_id . "','". $username . "','" . $trainNumber . "', '" . $comment . "', '" . $rating . "', '" . $review\_date . "')

**MANAGER:**

**View Revenue Report:**

* Select Month(EarliestMonth) as Months, Sum(Price) From ( SELECT Reservation.ReservationID, Reservation.Username, Reservation.Price, Min(Reserves.Departure\_Date) as EarliestMonth FROM `Reservation` Join Reserves ON Reservation.ReservationID = Reserves.ReservationID GROUP BY Reservation.ReservationID )Prices GROUP By Month(EarliestMonth)

**Popular Route:**

* (Select MONTHNAME(STR\_TO\_DATE(Month(Reserves.Departure\_Date), '%m')) as Months, Reserves.Train\_Number, COUNT(DISTINCT Reserves.ReservationID, Reserves.ReservationID) as Counts, Month(Reserves.Departure\_Date) as Month From Reserves Join Reservation on Reservation.ReservationID = Reserves.ReservationID WHERE Reservation.IsCancelled = 0 and Month(Reserves.Departure\_Date) = Month(Now()) Group By Reserves.Train\_Number, Month Order By Month Asc, Counts desc Limit 3) UNION ALL (Select MONTHNAME(STR\_TO\_DATE(Month(Reserves.Departure\_Date), '%m')) as Months, Reserves.Train\_Number, COUNT(DISTINCT Reserves.ReservationID, Reserves.ReservationID) as Counts, Month(Reserves.Departure\_Date) as Month From Reserves Join Reservation on Reservation.ReservationID = Reserves.ReservationID WHERE Reservation.IsCancelled = 0 and Month(Reserves.Departure\_Date) = (Month(Now()) - 1) Group By Reserves.Train\_Number, Month Order By Month Asc, Counts desc Limit 3) UNION ALL (Select MONTHNAME(STR\_TO\_DATE(Month(Reserves.Departure\_Date), '%m')) as Months, Reserves.Train\_Number, COUNT(DISTINCT Reserves.ReservationID, Reserves.ReservationID) as Counts, Month(Reserves.Departure\_Date) as Month From Reserves Join Reservation on Reservation.ReservationID = Reserves.ReservationID WHERE Reservation.IsCancelled = 0 and Month(Reserves.Departure\_Date) = (Month(Now()) - 2) Group By Reserves.Train\_Number, Month Order By Month Asc, Counts desc Limit 3) Order By Month Asc, Counts desc