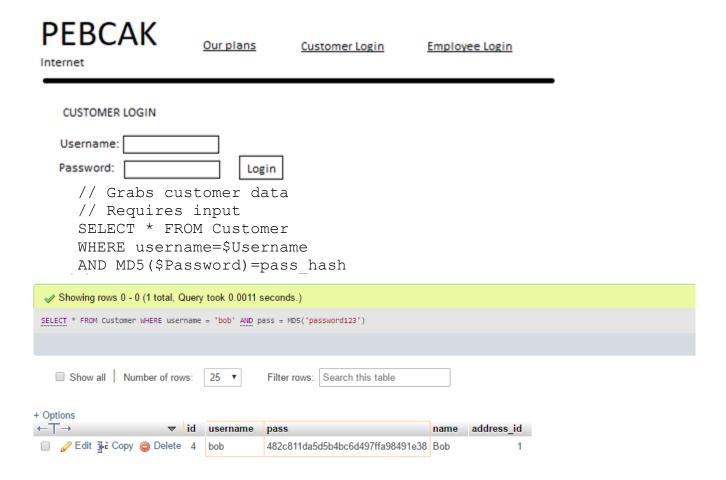
```
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CS 340
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                             Project SQL
Procedures and Triggers:
DROP PROCEDURE IF EXISTS checkValidState;
DELIMITER $$
CREATE PROCEDURE checkValidState(s CHAR(2))
BEGIN
    IF s NOT IN ('AK', 'AL', 'AR', 'AZ', 'CA', 'CO', 'CT', 'DE',
'FL', 'GA', 'HI', 'IA', 'ID', 'IL', 'IN', 'KS', 'KY', 'LA', 'MA',
'MD', 'ME', 'MI', 'MN', 'MO', 'MS', 'MT', 'NC', 'ND', 'NE', 'NH',
'NJ', 'NM', 'NV', 'NY', 'OH', 'OK', 'OR', 'PA', 'RI', 'SC', 'SD',
'TN', 'TX', 'UT', 'VA', 'VT', 'WA', 'WI', 'WV', 'WY') THEN
       SIGNAL SQLSTATE '45000'
            SET MESSAGE TEXT = 'That is not a valid state.';
    END IF;
END;
$$
DROP TRIGGER IF EXISTS triggerAddressState;
CREATE TRIGGER triggerAddressState
BEFORE UPDATE ON addresses
FOR EACH ROW CALL checkValidState (NEW.st);
DROP TRIGGER IF EXISTS triggerAddressState;
CREATE TRIGGER triggerAddressState
BEFORE INSERT ON addresses
FOR EACH ROW CALL checkValidState(NEW.st);
```

DROP PROCEDURE IF EXISTS UpdateAddressPlan; DELIMITER \$\$ CREATE PROCEDURE UpdateAddressPlan(planId INT, addNum INT, addStreet VARCHAR (255), addAptNo INT, addCity VARCHAR (255), addSt CHAR (2), addZip DECIMAL(5)) BEGIN DECLARE addressId INT; IF NOT EXISTS(SELECT * FROM Address WHERE num = addNum AND street = addStreet AND (addAptNo IS NULL OR apt no = addAptNo) AND city = addCity AND state = addSt AND zip = addZip) THEN BEGIN INSERT INTO Address (num, street, apt no, city, state, zip) VALUES (addNum, addStreet, addAptNo, addCity, addSt, addZip); END; END IF; SET addressId = (SELECT id FROM Address WHERE num = addNum AND street = addStreet AND (addAptNo IS NULL OR apt no = addAptNo) AND city = addCity AND state = addSt AND zip = addZip); INSERT INTO Address Plans (plan id, address id) VALUES (planId, addressId); END

\$\$

```
PEBCAK
                      Our plans
                                    Customer Login
                                                     Employee Login
 Add plan
                                                     Employee Portal
                                                     Find customers
                                                     Add plans
 Plan name
                                                     Edit plans
 Price
 Address #1
 Address #2
 (One address per line)
 Add
     // Inserts a new plan into the database.
     // Requires input from the user
     INSERT INTO Plan (name, price, speed, added by)
     VALUES ($planName, $planPrice, $planSpeed, $employeeId)
       1 row inserted.
      Inserted row id: 4 (Query took 0.0030 seconds.)
      INSERT INTO Plan (name, price, speed, added_by) VALUES ('A plan', 4.99, 50, 1)
                                                                  [ Edit inline ] [ Edit ] [ Create PHP code ]
     // For every plan in the plan box:
     // Requires input from the user
     call UpdateAddressPlan($newPlanId, $addressNum, $addressStreet,
     $addressAptNo, $addressCity, $addressState, $addressZip)
      MySQL returned an empty result set (i.e. zero rows). (Query took 0.0014 seconds.)
      call UpdateAddressPlan(1, 4, 'Sweet St', 7, 'Cityton', 'OR', 12345)
                                                                 [ Edit inline ] [ Edit ] [ Create PHP code ]
```



```
PEBCAK
                              Our plans
                                                Customer Login
                                                                        Employee Login
Internet
                                                                   Customer Portal
 EDIT PLAN
                                                                   My account
                                                                   Manage my cards
 Plan Name
                                                                    My plans
 Speed
 Price
 Select billing info (drop down list)
               Unsubscribe
  Update
       // Gets Billing Info for a specific user and updates their
       subscriptions based on
       // new billing info input
       // Requires no input
       SELECT *
       FROM Billing Info
       WHERE user id = $customerId
        SELECT * FROM Billing_Info WHERE user_id = 1
                                                                                                 Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refres
         ☐ Show all Number of rows: 25 ▼ Filter rows: Search this table
       + Options

- T→ ▼ id cc_number cc_type expiration_date name user_id

- Ø Edit 3-i Copy © Delete 1 12345678910 VISA 0000-00-00 Bruce Banner 1
       // Requires input
       UPDATE Subscription
       SET billing id = $newBillingId
       WHERE plan id = @planId
       AND customer id = $customerId

√ 1 row affected. (Query took 0.0031 seconds.)

        UPDATE Subscription SET billing_id = 2 WHERE plan_id = 1 AND customer_id = 1
                                                                                                                  [ Edit inline ] [ Edit ] [ Create PHP code ]
       // Requires no input
       DELETE FROM Subscription
       WHERE plan id = planId
       AND address id = $addressId

√ 1 row affected. (Query took 0.0030 seconds.)

         DELETE FROM Subscription WHERE plan_id = 1 AND address_id = 1
                                                                                                                   [ Edit inline ] [ Edit ] [ Create PHP code ]
```

PEBCAK Our plans **Employee Login** Customer Login Internet Edit plans Employee Portal Find customers Add plans Plan name Edit plans Price Address #1 Address #2 (One address per line) Update Delete Plan name Price Address #1 Address #2 (One address per line) Update Delete Plan name Price Address #1 Address #2 (One address per line) // Allows employees to update the various plan details. // Requires input. UPDATE Plan SET name=\$planName,price=\$planPrice,speed=\$planSpeed WHERE id=\$planId √ 1 row affected. (Query took 0.0033 seconds.) UPDATE Plan SET name='Free plan',price=0.00,speed=0.001 WHERE id=1 [Edit inline] [Edit] [Create PHP code] // For every plan in the plan box: // Requires input (address box) call UpdateAddressPlan(\$planId, \$addressNum, \$addressStreet, \$addressAptNo, \$addressCity, \$addressState, \$addressZip) call UpdateAddressPlan(1, 3, 'my st', 4, 'MyCity', 'AK', 54321) [Edit inline] [Edit] [Create PHP code] **PEBCAK** Our plans Customer Login **Employee Login** Internet EMPLOYEE LOGIN Employee ID: Password: Login // Checks whether an employee exists with the // appropriate password // Requires input SELECT * FROM Employee WHERE username = \$employeeId AND password=MD5(\$password) SELECT * FROM Employee WHERE username='hulk' AND pass=MD5('smash') Show all Number of rows: Filter rows: Search this table + Options +T→ salary name f7917786af90a6d99ea83455f3821337 20000 Bruce Banner



PEBCAK	<u>Our plans</u>	Customer Login	Employee Login	
MY CARDS Name on card Card number Card Type Expiration Date Update Delete			Customer Portal My account Manage my cards My plans	
database.	ne custom user inp j_Info	er to edit d ut	ards they have etails on any c	entered into the ard.
Showing rows 0 - 0 (1 total, Query took 0.1 SELECT * FROM Billing_Info baseE user_id * 2 Show all Number of rows: 25 • + Options + T → Id cc_num ** Edit 3 ± Copy © Delete 2 109876 UPDATE Billi SET name = \$ expiration_C WHERE id=\$ca	Filter rows: Search this tab mber cc_type expiration 54321 MASTERCARD 0000-00-00 .ng_Info .name, cc late=\$exp	number=\$num	ber, cc_type=\$t	□ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh
√ 1 row affected (Query took 0.0035 second UPDATE BILLING_Info SET name = 'updatedname', 1. **The control of the cont		='Debit', expiration_date='5/5/2017' NHERE id=2		[Edit Inline] [Edit] [Create PHP code

DELETE FROM Billing_Info

√ 1 row affected. (Query took 0.0027 seconds.) DELETE FROM 'Billing_Info' WHERE id = 2 [Edit inline] [Edit] [Create PHP code] **PEBCAK** Our plans Customer Login **Employee Login** Internet OUR PLANS Plan name #1 Price Available at address (only when logged in) Speed Plan name #2 Available at address (only when logged in) Speed Price // Shows all plans to non-logged in users. // Does not require input SELECT * FROM Plan Showing rows 0 - 3 (4 total, Query took 0.0007 seconds.) SELECT * FROM Plan Show all Number of rows: 25 ▼ Filter rows: Search this table Sort by key: None + Options $\leftarrow T \rightarrow$ price speed added_by Ø Edit 3 Copy Delete 1 Free plan 0.00 0 1 ☐ Ø Edit ¾ Copy Delete 2 The kitchen Sink 10000.00 9999 2 Ø Edit
 ¾i Copy
 Ø Delete 3 nada 1.00 1000 1 Edit 3 Copy O Delete 4 A plan 4.99 50 Check all With selected: @ Edit 34 Copy Delete Export

```
// When logged in:
// Shows all plans, and whether that plan is available at the
// user's address.
// Does not require input
SELECT p.name, p.price, p.speed
FROM Plan p
LEFT JOIN Address_Plans ap
ON p.id = ap.plan_id
WHERE ap.address_id = (SELECT address_id FROM Customer WHERE id
= 2)

**Showing rows 0-0(1 total, Query took 0.0020 seconds.)

**Options price speed
This Matches Jink Sales Speed
This Matches Jink
```

