Index.js

```
let cost = [5.50, 7.25, 6.80, 9.50, 3.25];
let quantity = [0, 0, 0, 0, 0];
let total_cost = 0;
let tax = 0;
let final_cost = 0;

let firstName = "";
let lastName = "" ;
let street = "";
let city = "";
let phone = "";
let is_delivery = false;

//as soon as document loads
$(document).ready(function (){
   $("p[class='userInfo address']").hide();
   var radios = $("[name='p_or_d']");
   var pickup =  radios[0];
   var deliver = radios[1];
   pickup.addEventListener("click", function (){
       radioCheck(pickup, deliver);
   })
   deliver.addEventListener("click", function (){
       radioCheck(pickup, deliver);
   })

   //add listeners to food
   for(let i = 0; i < 5; i ++) {
       $('select[name="quan' + i.toString() + '"]').change(function (){
           quantity[i] = this.value;
           calculate_costs();
       })
   }

   $('input[name="fname"]').change(function (){
       firstName = this.value;
   })

   $('input[name="lname"]').change(function (){
       lastName = this.value;
   })

   $('input[name="street"]').change(function (){
       street = this.value;
   })

   $('input[name="city"]').change(function (){
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        city = this.value;
    })

    $('input[name="phone"]').change(function (){
        phone = this.value;
    })

    $('input[type=button]').click(function (){
        if(validate()) {
            checkOut();
        }
    })


})


//handles the showing and hiding of street and city
//depending on whether its pickup or delivery
function radioCheck(pick, del){
    if(pick.checked === true) {
        is_delivery = false;
        $("p[class='userInfo address']").fadeOut();
    } else if(del.checked === true){
        is_delivery = true;
        $("p[class='userInfo address']").fadeIn();
    }
}


//to calculate costs...
function calculate_costs(){
    total_cost = 0;
    tax = 0;
    for(let i = 0; i < 5; i++){
        let foodCost = quantity[i] * cost[i];
        $("input[name=cost]").eq(i).val(foodCost.toFixed(2));
        total_cost += quantity[i] * cost[i];
    }
    tax += 0.0625 * total_cost;
    final_cost = total_cost + tax;

    $("input[name=subtotal]").val(total_cost.toFixed(2));
    $("input[name=tax]").val((tax.toFixed(2)));
    $("input[name=total]").val((final_cost.toFixed(2)));
}


// this function returns true if all input boxes are filled
```

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// and total_cost > 0
function validate(){
   if(total_cost === 0) {
       alert("Buy something!");
   }
   let first_name = $('input[name="fname"]');
   let last_name = $('input[name="lname"]');
   let street_el = $('input[name="street"]');
   let city_el = $('input[name="city"]');
   let phone_el = $('input[name="phone"]');

   if(total_cost!==0 && is_delivery && firstName!=="" && lastName!=="" &&
street!=="" &&
       city!=="" && validatePhone(phone)) {
       resetStyle(first_name);
       resetStyle(last_name);
       resetStyle(street_el);
       resetStyle(city_el);
       resetStyle(phone_el);
       alert("Thank you for your order!");
       return true;
   } else if(total_cost!==0 && !is_delivery && firstName!=="" &&
       lastName!=="" && validatePhone(phone)) {
       resetStyle(first_name);
       resetStyle(last_name);
       resetStyle(phone_el);
       alert("Thank you for your order!");
       return true;
   }

   if(firstName === "") {
       first_name.css("border", "1px solid red");
       first_name.effect("shake", {times:2}, 200);
   } else {
       resetStyle(first_name);
   }

   if(lastName === "") {
       last_name.css("border", "1px solid red");
       last_name.effect("shake", {times:2}, 200);
   }
   else {
       resetStyle(last_name);
   }

   if(street === "") {
       street_el.css("border", "1px solid red");
       street_el.effect("shake", {times:2}, 200);
   } else {
```

```
        resetStyle(street_el);
    }

    if(city === "") {
        city_el.css("border", "1px solid red");
        city_el.effect("shake", {times:2}, 200);
    } else {
        resetStyle(city_el);
    }

    if(phone === "") {
        phone_el.css("border", "1px solid red");
        phone_el.effect("shake", {times:2}, 200);
    } else {
        resetStyle(phone_el);
    }

    return false;
}

function validatePhone(num){
    if(num!=="" && (num.length === 7 || num.length === 10)){
        return true;
    } else {
        alert("Please enter a 7 or 10 digit phone number");
    }
}

//resets the boxes to normal color
function resetStyle(element){
    element.css("border", "1px solid black");
}

function calcTime(){
    let now = new Date();
    let fifteenMinutesLater = new Date(now.getTime() + (15 * 60 * 1000));
    let fortyFiveMinutesLater = new Date(now.getTime() + (45 * 60 * 1000));
    if(is_delivery) {
        let hour = fortyFiveMinutesLater.getHours();
        let minute = fortyFiveMinutesLater.getMinutes();
        if(minute.toString().length === 1) {
            minute = "0" + minute;
        }
        return (hour + ":" + minute + " (45 mins)");
    } else {
        let hour = fifteenMinutesLater.getHours();
        let minute = fifteenMinutesLater.getMinutes();
        if(minute.toString().length === 1) {
            minute = "0" + minute;
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        }
        return (hour + ":" + minute + " (15 mins)");
    }

}


//handles check out page
function checkOut(){
    let new_win = window.open('_blank');
    new_win.document.write("<h1>Order Summary</h1>");
    new_win.document.title = 'Order summary';
    new_win.document.write("<link rel='stylesheet' href='style.css'>");
    for (let i = 0; i < 5; i++) {
        new_win.document.write("<h4>" + quantity[i] + ' x ' + menuItems[i].name
+ ": $" +
            (menuItems[i].cost * quantity[i]).toFixed(2) + "</h4>");
    }

    new_win.document.write("<br><br><br><br>")
    new_win.document.write("<h4> Subtotal: $" + total_cost.toFixed(2) +
"</h4>");
    new_win.document.write("<h4> Tax: $" + tax.toFixed(2) + "</h4>");
    new_win.document.write("<h4> Total Cost: $" + final_cost.toFixed(2) +
"</h4>");
    if(is_delivery) {
        new_win.document.write("<h4>Street: " + street + "</h4>");
        new_win.document.write("<h4>City: " + city + "</h4>");
    }
    new_win.document.write("<h4> Estimated time: " + calcTime());
}
```

style.css

```css
body {
   margin: 20px;
   font-family: "Comic Sans MS", sans-serif;
   background: beige;
}

label {
   display: table-cell;
   text-align: left;
   width: 130px;
}

input[type=text] {
   color: black;
   display: table-cell;
   text-align: left;
}

p {
   display: flex;
}

input {
   border: 1px solid black;
   border-radius: 5px;
}
```

Link: https://kerwinteh.github.io/cs20/Assignment6/jade_delight.html

Questions:

1) I would add more items to the menu and make it more condensed.
   I would make the page look nicer using css.

2) The thing I like least about javascript is that sometimes when I'm using javascript functions it returns an array, and I have to play around with it using console.log to figure out what I actually want from that.