Tax-Calculator App

The project is Web app frontend part. In side project work on frontend part. Use the Bootstrap, HTML, CSS, JavaScript and jQuery etc This app created by using JavaScript application based and design is fully responsive.

1. Frontend: -

It's a created using the JavaScript application. In this app bootstrap link is attached. I have also used favicon image. I have also used font-awesome link. I have also used jQuery also. I have also used footer in this extra thing which shows copyright icon with name and year. I have also used port :5501 for local.

This Application is fully

responsive created.

(i) Index.html file:

```
input type="number" id="income" placeholder="Enter gross annual income" name="income
         class="form-control" required>
        <span class="tooltip-content2">Extra income is your additional income that earns
            outside of your regular salary</span>
    <input type="number" id="extraincome"</pre>
       placeholder="Enter extra income from other sources" name="extraincome"
        class="form-control" required>
<div class="form-group mt-3";</pre>
   <label for="age">Enter age group</label>
    <select id="age" name="age" class="form-control" required>
        <option value="<40">less than 40</option>
        coption value=">=40&<60">greater than equal to 40 and less than equal to 60
         <option value=">=60">greater than equal to 60</option>
    <label for="deductions">Enter total applicable deductions
        <\!\!\mathsf{span}\ \mathsf{class}\texttt{=}\mathsf{"tooltip\text{-}content3"}\!\!>\!\!\mathsf{Total}\ \mathsf{applicable}\ \mathsf{deductions}\ \mathsf{is}\ \mathsf{your}\ \mathsf{sum}\ \mathsf{of}\ \mathsf{all}
            deductions that can be subtracted from a gross income to arrive at their taxable
```

```
| Image: Content -->
| Image: Content --->
| Image: Content ---->
| Image: Content ---->
| Image: Content ---->
| Image: Content ------
| Image
```

(ii) Style.css file:

```
# styles.css X Js script.js
# styles.css > ..
       .container {
           align-items: center;
       .question-mark {
    color: ■#b7c7d8; /* color of the question mark icon */
    border-radius: 50%; /* Make the question mark icon rounded */
           background-color: \blacksquare #fff; /* background color of the question mark icon */
           padding: 3px; /* Adjust the padding to control the size of the icon */
       .tooltip-content {
           display: none;
           position: absolute;
background-color: ■#fff;
           border: 1px solid ■#ccc;
           padding: 5px;
           border-radius: 5px;
           z-index: 1;
           width: 150px; /* width of the tooltip content */
font-size: 14px; /* font size of the tooltip content */
       .question-mark:hover + .tooltip-content {
           display: block; /* Show the tooltip content when the question mark icon is hovered over */
           top: 40px; /* Adjust the top position to position the tooltip content below the question mark icon */
left: 230px; /* Align the tooltip content with the left edge of the question mark icon */
       .tooltip-content2 {
           display: none;
           position: absolute;
background-color: ■#fff;
           border: 1px solid ■#ccc;
           padding: 5px;
           border-radius: 5px;
            z-index: 1;
           width: 150px; /* width of the tooltip content */
font-size: 14px; /* font size of the tooltip content */
            display: block; /* Show the tooltip content when the question mark icon is hovered over */
            top: 120px; /* Adjust the top position to position the tooltip content below the question mark icon */
            left: 175px; /* Align the tooltip content with the left edge of the question mark icon */
       .tooltip-content3 {
           display: none;
           background-color: ■#fff;
border: 1px solid ■#ccc;
            padding: 5px;
            border-radius: 5px;
            z-index: 1;
            width: 150px; /* width of the tooltip content */
font-size: 14px; /* font size of the tooltip content */
       .question-mark:hover + .tooltip-content3 {
            \textbf{display: block;} \ /* \ \textbf{Show the tooltip content when the question mark icon is hovered over} \ */
            top: 240px; /* Adjust the top position to position the tooltip content below the question mark icon */
            left: 275px; /* Align the tooltip content with the left edge of the question mark icon */
       .custom-text-color{
           color: purple;
       .btn{
           background-color: □ purple;
           border-color: □purple;
```

(iii) Script.js file:

```
JS script.js X
                    # styles.css
JS script.js > ...
       $(document).ready(function() {
    $("#taxForm").submit(function(event) {
                   event.preventDefault();
                   var income = parseFloat($("#income").val());
                   var extraincome = parseFloat($("#extraincome").val());
                   var age = $("#age").val();
var deductions = parseFloat($("#deductions").val());
                   // Clear previous errors
$(".error-icon").hide();
                   var isValid = true;
if (isNaN(income) || income <= 0) {</pre>
                         $("#incomeErrorIcon").show();
                         $("#incomeErrorTooltip").show();
                   if (isNaN(extraincome) || extraincome < 0) {</pre>
                        $("#extraincomeErrorIcon").show();
$("#extraincomeErrorTooltip").show();
                         isValid = false;
                   if (isNaN(deductions) || deductions < 0) {
    $("#deductionsErrorIcon").show();
    $("#deductionsErrorTooltip").show();</pre>
                   if (age === "") {
                        $("#ageErrorIcon").show();
$("#ageErrorTooltip").show();
                         isValid = false;
                        var totalIncome = income + extraincome - deductions;
                        if (totalIncome > 800000) {
                             if (age === "<40") {
                                   tax = 0.3 * (totalIncome - 800000);
                             } else if (age === ">=40&<60") {
    tax = 0.4 * (totalIncome - 800000);
} else if (age === ">=60") {
                                   tax = 0.1 * (totalIncome - 800000);
                        displayModal(tax);
                 $("#modal").hide();
             $(window).click(function(event) {
   if (event.target == $("#modal")[0]) {
                        $("#modal").hide();
```

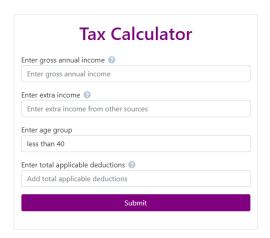
```
function displayModal(tax) {
    var modalResult = $("#modalResult");
    modalResult.html("Tax: ₹" + tax.toFixed(2) + " Lakhs");
    $("#modal").show();

// tooltip content hovering effect code

$(document).ready(function() {
    $('.question-mark').on('mouseover', function() {
        $(this).next('.tooltip-content').show();
    }).on('mouseout', function() {
        $(this).next('.tooltip-content').hide();
    });
});

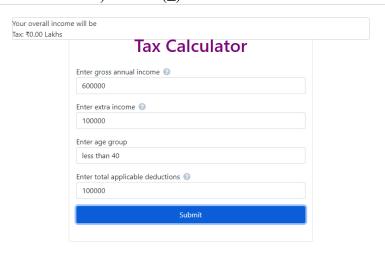
// property in the function of the function of
```

Test-Cases:

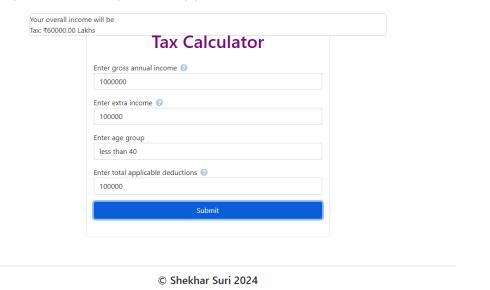


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(i) Overall income (after deductions) under $8 \le Lakhs$ is not taxed.



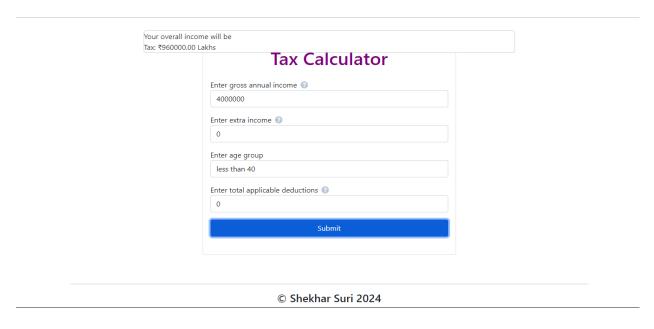
(ii) Overall income (after deductions) above $8 \le Lakhs$ is taxed.



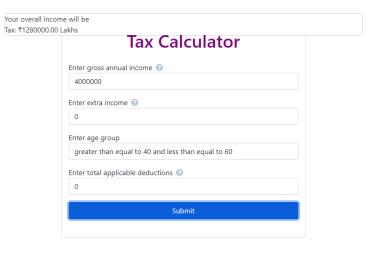
Income over 8 (>) Lakhs, the amount over 8 Lakhs is taxed at

 \circ 30% for people with age < 40

(iii)

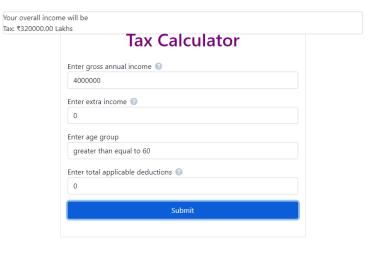


 \circ 40% for people with age \geq 40 but < 60



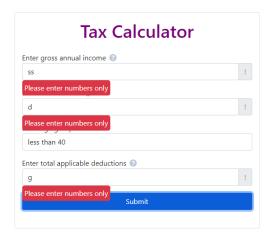
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o 10% for people with age ≥ 60



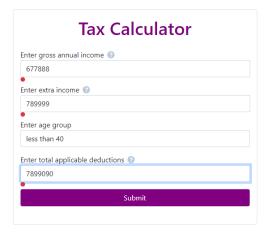
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(iv) Highlight a error icon to the right of the input field. When a user enter characters in the number field then it should show the error.



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(v) If no errors are present, don't show the error icon.



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(vi) The age dropdown field should have 3 values -

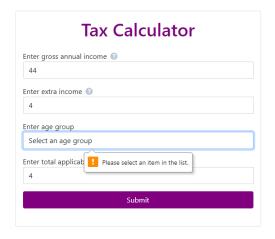
b.
$$\geq 40 \& < 60$$

c.
$$\geq 60$$

	Tax Calculator
Enter gro	oss annual income ②
Enter g	ross annual income
Enter ext	ra income 🔞
Enter e	xtra income from other sources
Enter age	e group
Select	an age group
	an age group
less that greater	an 40 • than equal to 40 and less than equal to 60 • than equal to 60
greate	

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(vii) If user has not entered Age value and clicks on submit, show an error icon which should show that "please select an item in the list."



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(viii) Error icons should not be visible in the form by default.

	Tax Calculator
Enter gro	oss annual income 🔞
Enter g	ross annual income
Enter ext	ra income 🔞
Enter e	extra income from other sources
Enter age	e group
Select	an age group
Enter tot	al applicable deductions 📀
Add to	tal applicable deductions
	Submit
	Submit

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