

## [DAT310] Answer key to the Trial Midterm Exam - Part 2.

### 2. HTML (3 points)

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```

```

- 1p for img tag
- 1p for src attribute with correct value
- 1p for setting alt text and width

### 3. HTML (2 points)

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**Correct answer:** <header>

### 4. HTML (2 points)

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**Correct answer:** input

### 5. CSS (10 points)

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```
h1, h2 {
    font-family: Garamond, serif;
    color: #359636;
}

.quote {
    font-style: italic;
}

#apples, #links {
    width: 300px;
    float: left;
    padding: 20px;
}

#links {
    background-color: #99cc99;
    border: 2px outset #359636;
}

.white-list {
    color: white;
    font-size: 120%;
}

.outer-black-list {
    list-style-type: none;
    padding-left: 0px;
    font-weight: bold;
}

.inner-black-list {
    list-style-type: none;
    font-weight: normal;
    padding-left: 30px;
}
```

- 2p for formatting headers (1p for font, 1p for color)
- 1p for italicizing quote
- 2p for formatting #apples and #links (floating, size, padding; -1p for each that is wrong)
- 1p for setting border and background for #links
- 1p for formatting the white-list (color and size)
- 3p for formatting the black lists (list-style-type, padding, and font-weight)

## 6. CSS (6 points)

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```
<body>
  <div id="joe" ></div>
  <div class="ho"></div>
  <div id="james" class="rp" ></div>
</body>
</html>
```

- 2p for each correct div
  - 1p can be given if either id or class is correct (iff the same id is not used for multiple divs!)

## 7. CSS (2 points)

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**Correct answer:** static positioning

## 8. CSS (2 points)

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**Correct answer:** <footer>

## 9. CSS (2 points)

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**Correct answer:** red

## 10. CSS (2 points)

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**Correct answer:** blue

## 11. JavaScript (3 points)

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**Correct answer:** R-B-A!

## 12. JavaScript (4 points)

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```
<div style="width:200px; height:200px; background-color:blue;" onclick="alert('Double
clicked blue rectangle');"></div>
```

- 1p for displaying the div as specified
- 1p for having the CSS declarations inline
- 1p for displaying the alert (on any event)
- 1p for using the correct event handler (onclick)

### 13. JavaScript (8 points)

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*Solution using jQuery*

```
$(document).ready(function () {
    $("#button").click(function () {
        var rows = $("#rows").val();
        var cols = $("#cols").val();
        // clear board
        $("#board").html("");
        for (var i = 0; i < rows; i++) {
            for (var j = 0; j < cols; j++) {
                // create tile
                var tile = "<div></div>";
                // set color
                if ((i + j) % 2 == 0) {
                    tile.addClass("black");
                }
                else {
                    tile.addClass("white");
                }
                // rightmost in each line
                if (j == 0) {
                    tile.addClass("startrow");
                }
                // add tile to board
                $("#board").append(tile);
            }
        }
    });
});
```

- 1p for getting dimensions
- 1p for assigning event to button click
- 1p for creating at least one tile
- 1p for creating exactly NxM tiles
- 1p for adding tiles to the board
- 1p for correct board layout (using "startrow" correctly)
- 1p for coloring tiles black/white
- 1p for correct checkered pattern

### 14. jQuery (6 points)

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```
<!DOCTYPE html>
<html>
<head lang="en">
  <meta charset="UTF-8">
  <title>jQuery animate</title>
  <script src="//code.jquery.com/jquery-1.10.2.js"></script>
  <style>
    #div1 {
      width: 100px;
      height: 100px;
      background-color: red;
      position: relative;
    }
  </style>
  <script>
    $(document).ready(function(){
      $("#div1").click(function() {
```

```

        $(this).animate({
            width: "+=10px",
            height: "+=10px",
            left: "+=10px"
        }, 500 );
    });
});
</script>
</head>
<body>
    <div id="div1"></div>
</body>
</html>

```

- 1p for correct style: width, height, color
- 1p for script that catches onclick event
- 1p for changing width, height
- 1p for changing position
- 1p for having everything embedded, jQuery included
- 1p for using animate, and w/ 500ms animation

### 15. jQuery (4 points)

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```

$(document).ready(function () {
    $(".animal").click(function () {
        var name = $(this).attr("alt");
        $("#animal_name").val(name);
    });
});

```

- 1p for document.ready(...) (point is not taken if the rest of the solution is OK)
- 1p for capturing clicks on animals (and only on those)
- 1p for getting the name of the animal
- 1p for writing the name of the animal in the input text field

### 16. JavaScript (2 points)

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**Correct answer:** in an external javascript file

### 17. JavaScript (2 points)

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**Correct answer:** true