[DAT310] Answer key to the Trial Midterm Exam - Part 1.

2. HTML (9 points)

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Match results</title>
</head>
<body>

<table>
    <tr style="background-color: #eeeeee">
        <td>29/04/15, 19:10</td>
        <td><a href="http://handball.com/games/1771886.html"
                target="_blank"><strong>Norge</strong> - Kroatien</a></td>
        <td><strong>27 : 26</strong></td>
        <td><img src="images/land/eur.gif"></td>
        <td>Handball EC Qualification Gr.A</td>
    </tr>
    <tr>
        <td>02/11/14, 14:00</td>
        <td><a href="http://handball.com/games/1771884.html"
                target="_blank">Netherlands - <strong>Norge</strong></a></td>
        <td><strong>22 : 30</strong></td>
        <td><img src="images/land/eur.gif"></td>
        <td>Handball EC Qualification Gr.A</td>
    </tr>
    <tr style="background-color: #eeeeee">
        <td>07/06/14, 19:45</td>
        <td><a href="http://handball.com/games/1624555.html"
                target="_blank"><strong>Österrike</strong> - Norge</a></td>
        <td><strong>28 : 26</strong></td>
        <td><img src="images/land/wm.gif"></td>
        <td>World Championship Qualification</td>
    </tr>
</table>

</body>
</html>
```

- 1p for HTML structure (<html>, <head>, <body>)
- 1p for title
- 2p for creating table with the correct structure
- 1p for coloring rows 1 and 3
- 1p for adding links
- 1p for opening links in a new window (target="_blank")
- 1p for boldfacing winning country and match results
- 1p for including images (with correct path!)

3. HTML (7 points)

```html
<form action="feedback.php" method="POST">
    <label>Name <input type="text" name="name" size="30" maxlength="50"></label><br/>
    <label>Email <input type="email" name="email" size="30" maxlength="50"></label><br/>
    <label>Comment <br />
        <textarea name="comment" cols="40" rows="5"></textarea>
    </label><br />
    Notify me about:
```

```
    <label><input type="checkbox" name="notify_news" value="1"> News</label>
    <label><input type="checkbox" name="notify_offers" value="1"> Offers</
label>
    <label><input type="checkbox" name="notify_events" value="1"> Events</
label><br/>
    <input type="submit" value="Send">
</form>
```

- 1p for <form> (including method and action)
- 1p for input text
- 1p for input email (only if input type="email" is used)
- 1p for textarea
- 1p for checkboxes (only if they have different names or values or have the same name with []
  added!)
- 1p for submit button
- 1p for using <label> correctly
- -0.5p for each incorrect attribute (method, action, name, type, size, label, etc.)

4. HTML (2 points)

Correct answer: create a new thumbnail image that links to the larger image

5. HTML (2 points)

Correct answer: Yes

6. CSS (11 points)

```css
@import url('http://fonts.googleapis.com/css?family=Open+Sans');
* {
    font-family: 'Open Sans', sans-serif;
}
.container {
    width: 400px;
    height: 200px;
    border: 1px solid #808080;
    border-radius: 3px;
    box-shadow: 3px 3px 2px #777777;
}
.left, .middle, .right {
    margin-top: 100px;
    height: 50px;
    padding-left: 5px;
    padding-top: 5px;
}
p {
    margin: 0px;
    font-size: 0.6em;
}
.left {
    float: left;
    width: 40%;
    background-color: #3C3C3C;
    color: white;
}
.middle {
    float: left;
}
.right {
    float: right;
```

```css
    width: 20%;
    background-color: #EEEEEE;
    position: relative;
}
#logo {
    height: 80%;
    position: absolute;
    right: 5px;
}
.yellow {
    color: #FFB70B;
}
p.name {
    font-size: 1.1em;
}
```

- 2p for container dimensions and border
- 1p for container rounded corners and shadow
- 2p for left, middle, right dimensions, floating, and padding
- 1p for background color on left and right divs
- 1p for setting font to Open Sans (including import!)
- 2p for font sizes, setting paragraph margin, and for coloring @ sign
- 2p for logo size and alignment

7. CSS (2 points)

Correct answer: relative positioning

8. CSS (2 points)

Correct answer: list-style-type: none

9. CSS (2 points)

Correct answer: 0 pixels

10. JavaScript (5 points)

```javascript
function invcap() {
    var origtext = document.getElementById("mytext").value;
    var newwords = [];
    var words = origtext.split(" ");
    for (var i = 0; i < words.length; i++) {
        var newword = words[i][0].toLowerCase() +
                      words[i].substring(1).toUpperCase();
        newwords.push(newword);
    }
    document.getElementById("mytext").value = newwords.join(" ");
}
```

- 1p for getting the contents of the textarea
- 1p for splitting to words
- 2p for proper inverse capitalization
- 1p for replacing the contents of the textarea with the new text

11. JavaScript (2 points)

Correct answer: jonny

12. JavaScript (2 points)

Correct answer: true

13. jQuery (4 points)

```javascript
$(document).ready(function () {
    $("div:not(.bomb)").css("background-color", "blue");
});
```

Note: $("div[class!='bomb']") and $("div").not(".bomb") also work.

- 1p for document.ready
- 1p for setting divs (but only the divs) blue
- 2p for avoiding the bombs

14. jQuery (2 points)

Correct answer: <div id="foo" class="bar">...</div>

15. JavaScript (2 points)

Correct answer: document.write("Area of rectangle is ", Area);