CSE 190 M, Spring 2007
Final Exam Key

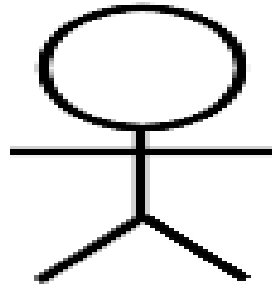## 1. HTML/CSS

Scene

#7

Elizabeth: Captain Barbosa, I am here to negotiate the cessation of hostilities against Port Royal.

Barbossa:

There are a lot of long words in

there, Miss.
What is it that you want?
Elizabeth: I want you to leave and never come back.

Barbossa: I'm disinclined to acquiesce to your request. Means "no."

2. Javascript/DOM

```
window.onload = loadq2;

function loadq2() {
    var del = document.getElementById("del");
    del.onclick = divideAll;
}

function divideAll() {
    var divisor = document.getElementById("divisor").value;
    var div = document.getElementById("q2buttons");
    var buttons = div.getElementsByTagName("button");
    for (var i = 0; i < buttons.length; i++) {
        if (buttons[i].innerHTML % divisor == 0) {
            div.removeChild(buttons[i]);
            i--;
        }
    }
}
```
or:
```
window.onload = loadq2;

function loadq2() {
    var del = document.getElementById("del");
    del.onclick = divideAll;
}

function divideAll() {
    var divisor = document.getElementById("divisor").value;
    var div = document.getElementById("q2buttons");
    while (div.firstChild.innerHTML % divisor == 0) {
        div.removeChild(div.firstChild);
    }
    var button = div.firstChild;
    while (button.nextSibling) {
        if (button.nextSibling.innerHTML % divisor == 0) {
            div.removeChild(button.nextSibling);
        }
    }
}
```

3. Ajax/XML

```
window.onload = loadq3;

function loadq3() {
    ajaxHelper("movie.xml", displayLines);
}

function displayLines(ajax) {
    var q3html = document.getElementById("q3html");
    var character = ajax.responseXML.getElementsByTagName("character")[0];
    var lines = character.getElementsByTagName("line");
    for (var i = 0; i < lines.length; i++) {
        var time = lines[i].getAttribute("time");
        var text = lines[i].firstChild.nodeValue;
        var p = document.createElement("p");
        p.innerHTML = "(" + time + ") " + text;
        q3html.appendChild(p);
    }
}
```

4. PHP

```php
<?php
include("q4top.html");

$name = $_POST["name"];
$cc = $_POST["cc"];
$pw = $_POST["pw"];

if ($name == "" || strlen($pw) < 6 ||
    !preg_match("/^\d{4}[-]?\d{4}[-]?\d{4}[-]?\d{4}$/", $cc)) {
    print("<h1>Denied!  Invalid data.</h1>");
} else {
    print("<h1>Successful.</h1>");
}
$cc = preg_replace("/-/", "", $cc);
$pw = preg_replace("/./", "*", $pw);
print("<p>$name, $pw, $cc</p>");

include("q4bottom.html");
?>
```

5. SQL

```
SELECT DISTINCT c1.Role
FROM     Movie m1, Movie m2, Cast c1, Cast c2
WHERE    c1.Role = c2.Role
AND      c1.mid = m1.id
AND      c2.mid = m2.id
AND      m1.name LIKE "%Pirates of the Caribbean%"
AND      m2.name LIKE "%Pirates of the Caribbean%"
ORDER BY c1.Role;
```

or:

```
SELECT DISTINCT c1.Role
FROM     Movie m1, Movie m2, Cast c1, Cast c2
WHERE    c1.aid = c2.aid
AND      c1.mid = m1.id
AND      c2.mid = m2.id
AND      m1.name LIKE "%Pirates of the Caribbean%"
AND      m2.name LIKE "%Pirates of the Caribbean%"
ORDER BY c1.Role;
```