Announcements

- **Test 1**
  - Average: 68
  - Standard Deviation: 16

- **The proposals are all good. All will need:**
  - The ability to track and manage users
  - A database to keep track of data.

- **Tomorrow’s Demo will be the Design Sketch**
  - A list of pages and the transitions between pages
  - Check that all of the use cases can be done
Potential Project:

- TA hiring system
  - Administrators set up courses, lab times and instructors
  - Students log in and register interest in TAing
  - Instructors select students for TAship
- Access to user base in labs
- May lead to summer job
# New Scrum Masters

<table>
<thead>
<tr>
<th>Team</th>
<th>ZHENYANG</th>
<th>DAI</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.O.D.E.</td>
<td>ROHINI</td>
<td>REGE</td>
</tr>
<tr>
<td>Cellar</td>
<td>LAN</td>
<td>ZHOU</td>
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<tr>
<td>ContraWeb</td>
<td>SANG CHEON</td>
<td>LEE</td>
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<tr>
<td>Hacklemore</td>
<td>YUNPING</td>
<td>SHAO</td>
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<tr>
<td>Lannister</td>
<td>NIKITA</td>
<td>MIROSHNICHENKO</td>
</tr>
<tr>
<td>Llama</td>
<td>MOHAN</td>
<td>LIU</td>
</tr>
<tr>
<td>Sk3m Team</td>
<td>CHI MAN</td>
<td>WONG</td>
</tr>
<tr>
<td>SqlThePrql</td>
<td>PASU</td>
<td>PORAPAKKHAM</td>
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<td>Synapps</td>
<td>TIMOTHY</td>
<td>SEBRING</td>
</tr>
<tr>
<td>Tautology</td>
<td>THOMAS</td>
<td>HOLLOWELL</td>
</tr>
<tr>
<td>Team RNG</td>
<td>ALEX</td>
<td>WILSON</td>
</tr>
</tbody>
</table>
Test Question 1

1. `git clone martin@betaweb.csug.rochester.edu:/p/csc210/csc210TA`
2. `cp –r csc210TA /var/www/html`
3. `git merge martin`
4. `git commit`
   `git push origin master`
Test Question 2

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Title</title>
        <link href="answer.css" ... />
    </head>
    <body>
        <h1>Title</h1>
        <div id="image">
            <img id = "pic" src="pic.png" alt="pic" />
        </div>
        <div id="column1">
            <ul>
                <li>Sentence</li>
            </ul>
        </div>
        <div id="column2">
            <ul>
                <li>Sentence</li>
            </ul>
        </div>
    </body>
</html>
```
Test Question 3

h1 {
    text-align: center;
}

#image {
    float: left;
    width: 33%
}

body {
    color: white;
}

#column1 {
    float: left;
    width: 33%;
    background-color: gray;
}

#column2 {
    float: left;
    width: 33%;
    background-color: black;
}

CSC 210
<?php
$fileName = $_REQUEST['file'];
$sentence = file("$fileName");
$words = explode(" ", $sentence[0]);

<li> <?php print "$sentence[0]" ?> </li>

<?php
foreach ($words as $word) {
    print (<li>$word</li>);
} ?>

<?php
<li> <?php print "$sentence[0]" ?> </li>

<?php
foreach ($words as $word) {
    print (<li>$word</li>);
} ?>
Test Question 5

var count = 0;
var timer = null;

window.onload = function() {
  document.getElementById("begin").onclick = start;
  document.getElementById("end").onclick = stop;
  doEnabling(false);
};
function start() {
    count = 0;
    document.getElementById("total").value = count;
    timer = setInterval(step, 1000);
}

function step() {
    document.getElementById("total").value = count++;
}

function stop() {
    clearInterval(timer);
}
Design Sketch (Pages)

- Login: Users can log in
- Sign-up: Users can create an account
- Home Page: Introduction, Route to rest of site
- Request: Post a request for help
- Requests: See requests for help
- Offer: Offer help
- Offers: See offers for help
Design Sketch (Links)

- Login ➔ Sign-up
- Login, Sign-up ➔ Home Page
- Home Page ➔ Request, Requests, Offer, Offers
- Request ➔ Offers
- Offer ➔ Requests
Design Sketch
Use Case: The last mile

- **Mary**
  - Signup
  - Login ➔ Home: Location ➔ Request: Description ➔ Offers: Search ➔ Contact: Nadine ➔ Talk: with Nadine

- **Nadine**
  - Signup
  - Login ➔ Home: Location ➔ Offer
  - Talk: to Mary
Use Case: Saving the Environment

- Anil
  - Sign-up
  - Log-in ➔ Home: Location ➔ Request: Description
  - Talk: with Ramesh

- Ramesh
  - Sign-up
  - Log-in ➔ Home: Location ➔ Offer: Description ➔ Contact: Anil ➔ Talk: with Anil
Use Case: Stranded in the airport

- **Archana**
  - Sign-up
  - Login ➔ Home ➔ Request: Description
  - Talk: with Jyotsna

- **Jyotsna**
  - Sign-up
  - Login ➔ Home ➔ Requests: Search ➔ Contact: Archana ➔ Talk: with Archana
Web Design
Two Types of Design

- Web Site Design
  - Artistic Design
  - Usability Design
- Software Design
  - Software Architecture
  - Software Design
  - Backlog
Usability: Know your message

- Know what you are saying.
- Lack of clarity is often a symptom of fuzzy thinking
Usability: Be consistent

- Be consistent within your site
  - Different words indicate different results.

- Be consistent with other sites
  - Web design is a language; it will confuse people if you introduce new words.
  - Choose words and designs that expressed the same thing elsewhere.
  - People spend more time looking at other web sites than they do looking at yours.
Usability: Be clear

- Reduce clutter
  - Say what you mean and nothing else
UI Prototyping and User Studies

- Draw picture: paper and pencil, PowerPoint, Illustrator
  - There are free tools on the web for UI design (e.g. Pencil Project)
- Review the screens with users
- Change to take into account user comments
- Repeat
Discuss questions with your Scrum Team
Quiz

1. “User experience” differs from aesthetics because
   a. It involves more than aesthetics
   b. It involves the user, not the designer.
   c. It requires more artistic talent
   d. It deals with unsophisticated users

2. Consistency is important
   a. Within the page.
   b. Within the site
   c. With the entire web
   d. All of the above
Quiz 2

3. A “paper prototype” is
   a. A list of proposed pages.
   b. A drawing of potential pages.
   c. A “blueprint” of the final design.
   d. A diagram of a use case.

4. Widgit Toolkits are
   a. The toolkits available a “Widgit.com”
   b. A toolkit that supports the “$” function.
   c. JQuery
   d. Any toolkit that contains controls.
And the answer is ...
Quiz

1. “User experience” differs from aesthetics because
   a. It involves more than aesthetics
2. Consistency is important
   d. All of the above
3. A “paper prototype” is
   b. A drawing of potential pages.
4. Widgit Toolkits are
   d. Any toolkit that contains controls.