

# WEB DESIGN

Web Design

# Announcements

2

- 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

# Announcements (cont.)

3

- 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

4

|            |            |                |
|------------|------------|----------------|
| Backslash  | ZHENYANG   | DAI            |
| C.O.D.E.   | ROHINI     | REGE           |
| Cellar     | LAN        | ZHOU           |
| ContraWeb  | SANG CHEON | LEE            |
| Hacklemore | YUNPING    | SHAO           |
| Lannister  | NIKITA     | MIROSHNICHENKO |
| Llama      | MOHAN      | LIU            |
| Sk3m Team  | CHI MAN    | WONG           |
| SqlThePrql | PASU       | PORAPAKKHAM    |
| Synapps    | TIMOTHY    | SEBRING        |
| Tautology  | THOMAS     | HOLLOWELL      |
| Team RNG   | ALEX       | WILSON         |

# Test Question 1

5

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

6

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title</title>
    <link href="answer.css" ... />
  </head>

  <body>
    <h1>Title</h1>
    <div id="image">
      
    </div>
```

```
<div id="column1">
  <ul>
    <li>Sentence</li>
  </ul>
</div>

<div id="column2">
  <ul>
    <li>Sentence</li>
  </ul>
</div>
</body>
</html>
```

# Test Question 3

7

```
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;
}
```

# Test Question 4

8

```
<?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>");
    } ?>
```



# Test Question 5

9

```
var count = 0;
```

```
var timer = null;
```

```
window.onload = function() {
```

```
    document.getElementById("begin").onclick = start;
```

```
    document.getElementById("end").onclick = stop;
```

```
    doEnabling(false);
```

```
};
```

# Test Question 5

10

```
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)

11

- 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

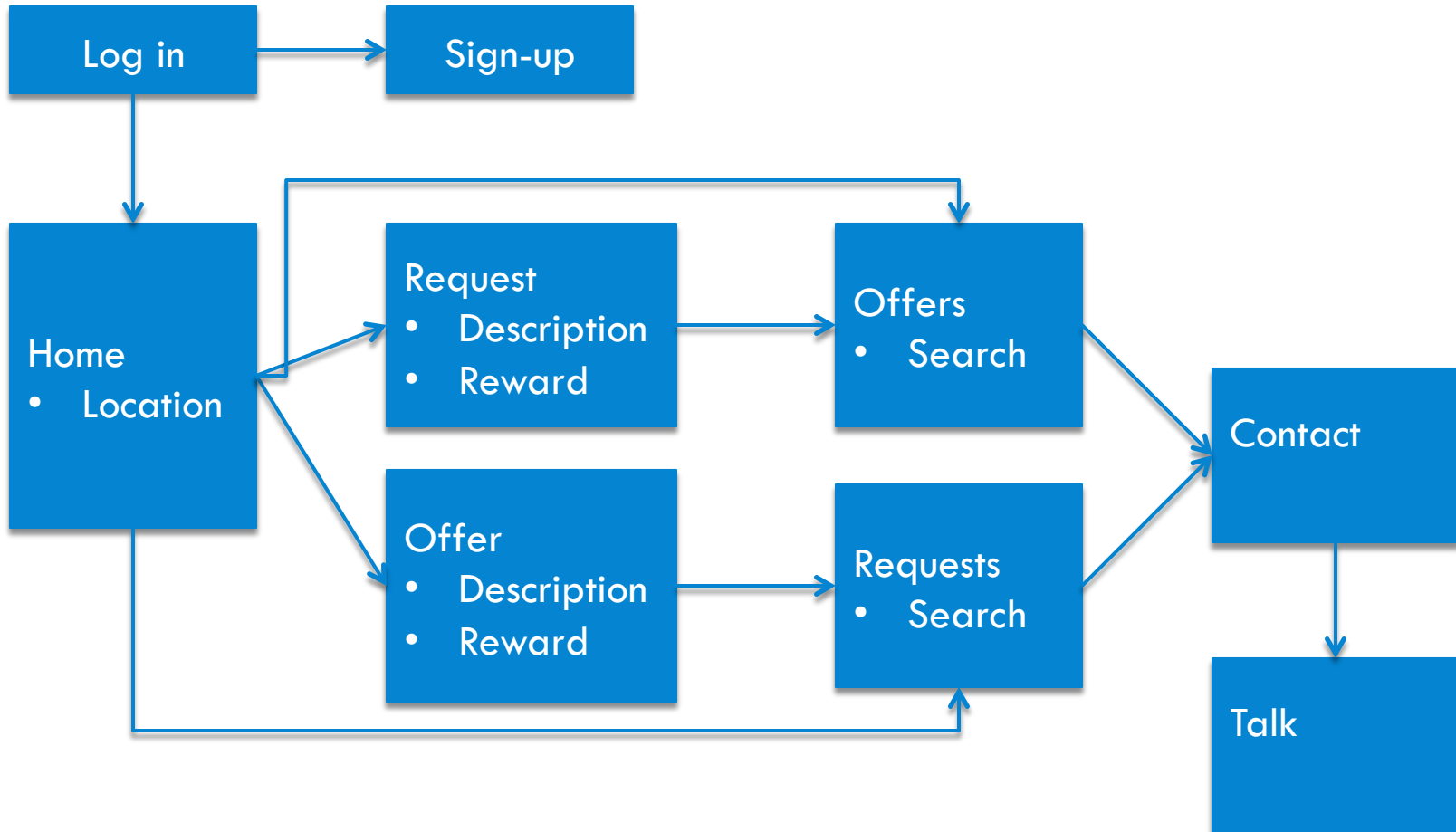
# Design Sketch (Links)

12

- Login → Sign-up
- Login, Sign-up → Home Page
- Home Page → Request, Requests, Offer, Offers
- Request → Offers
- Offer → Requests

# Design Sketch

13



# Use Case: The last mile

14

- 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

15

- 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

16

- Archana
  - ▣ Sign-up
  - ▣ Login → Home → Request: Description
  - ▣ Talk: with Jyotsna
- Jyotsna
  - ▣ Sign-up
  - ▣ Login → Home → Requests: Search → Contact: Archana → Talk: with Archana



17

# Web Design

# Two Types of Design

18

- Web Site Design
  - ▣ Artistic Design
  - ▣ Usability Design
- Software Design
  - ▣ Software Architecture
  - ▣ Software Design
  - ▣ Backlog

# Usability: Know your message

19

- **Know what you are saying.**
- **Lack of clarity is often a symptom of fuzzy thinking**

# Usability: Be consistent

20

- 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

21

- Reduce clutter
  - ▣ Say what you mean and nothing else

# UI Prototyping and User Studies

22

- 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

23

# Standup

Discuss questions with your Scrum Team

# Quiz

24

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

25

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 at “Widgit.com”
  - b. A toolkit that supports the “\$” function.
  - c. JQuery
  - d. Any toolkit that contains controls.

26

And the answer is ...

# Quiz

27

1. “User experience” differs from aesthetics because
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  - d. All of the above
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4. Widgit Toolkits are
  - d. Any toolkit that contains controls.