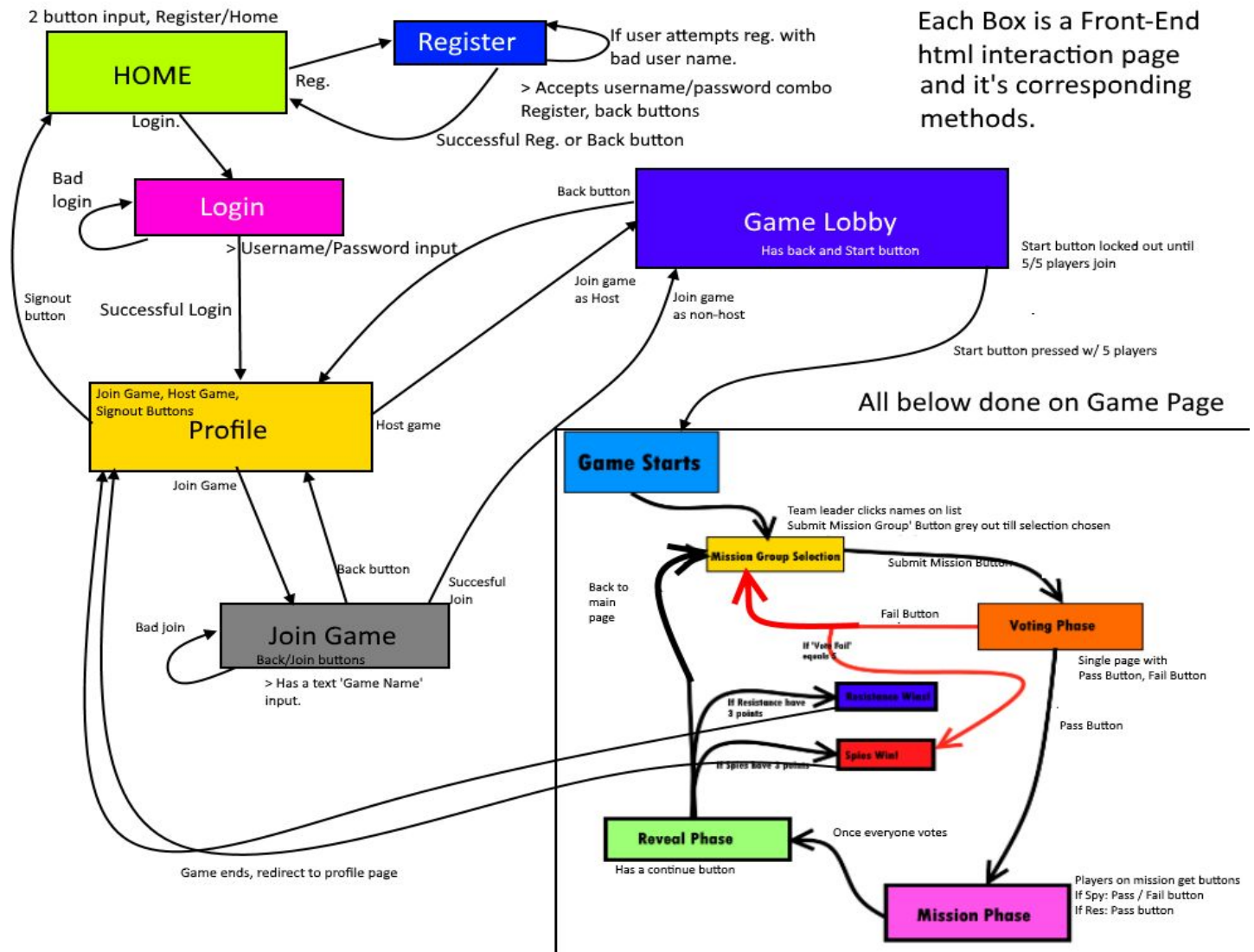


Team Members: Georges, Matt, Simone, Sade, DaShaun, Randy  
Team 20

## Classification of Components

### Component Diagram



### Incremental Testing Explanation

We tested Top-Down for many reasons.

It was much easier to test our project as a whole, then fake players, their history, information, and cookies.

Our program has more chances to break when communicating from module to module, not from modules breaking themselves.

Since our program is linear, doing Bottom-Up would waste valuable time.

## Incremental and Regression Testing

|               |                     |
|---------------|---------------------|
| <b>Module</b> | createGame (George) |
|---------------|---------------------|

### Incremental Testing

| <b>Defect No.</b>  | <b>Severity</b> | <b>How to Correct</b>                                    |
|--|-----------------|--|
| 1 Website should not crash when attempting to create a game          | 1               | Fix function call to socket.io                           |
| 2 The user should receive a code for their new game                  | 2               | Fix print statement in the html                          |
| 3 The code for the game should be associated with the users username | 3               | Get rid of randomization code in favor of simple system. |

### Regression Testing

| <b>Defect No.</b>   | <b>Severity</b> | <b>How to Correct</b>                                  |
|---|-----------------|--|
| 1 Create Model -> Join Model<br>Join game had non updated information       | 3               | Fix html to ask player to input host name, not game ID |
| 2 Create Model -> profile<br>Player could not cancel back to their profile! | 2               | Add back button  |

|               |                   |
|---------------|-------------------|
| <b>Module</b> | joinGame (George) |
|---------------|-------------------|

### Incremental Testing

| Defect No.   | Severity | How to Correct                            |
|--|----------|---|
| 1 Player would join a game even with wrong game name | 1        | Fixed game data structure                 |
| 2 Player could not enter game with capitol game code | 2        | Fixed capitoolization handling in backend |

### Regression Testing

| Defect No.   | Severity | How to Correct           |
|--|----------|--------------------------|
| 1 Join Model -> Profile<br>Player could not go back to profile | 3        | Added back button        |
| 2 Join Model -><br>Creategame<br>Player could not join game    | 1        | Fixed Socket.io handling |

|               |               |
|---------------|---------------|
| <b>Module</b> | Home (Simone) |
|---------------|---------------|

### Incremental Testing

| Defect No.  | Severity | How to Correct   |
|---|----------|--|
| 1 The home page shows options to create game or join game | 2        | Ensure that the buttons are functioning                  |
| 2 Homepage displays correct username                      | 2        | Make sure the username matches the title on the homepage |

|  |  |  |
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|---------------|----------------|
| <b>Module</b> | Login (Simone) |
|---------------|----------------|

### Incremental Testing

| Defect No.  | Severity | How to Correct   |
|---|----------|--|
| 1 Web application should recognize the user's login credentials       | 3        | Test multiple user logins that are correct                     |
| 2 User should not be able to login with incorrect credentials         | 3        | Test multiple logins that are incorrect                        |
| 3 Clicking the login button should redirect user to game creator page | 2        | Ensure that every time login is clicked, user is redirected to |

### Regression Testing

| Defect No.                                   | Severity | How to Correct |
|--|----------|----------------|
| 1 Fixing user login with correct credentials |          |                |
| 2  |          |                |
| 3  |          |                |

|               |                   |
|---------------|-------------------|
| <b>Module</b> | Profile (DaShaun) |
|---------------|-------------------|

### Incremental Testing

| Defect No. | Severity | How to Correct |
|------------|----------|----------------|
| 1          |          |                |
| 2          |          |                |

#### Regression Testing

| Defect No. | Severity | How to Correct |
|------------|----------|----------------|
| 1          |          |                |
| 2          |          |                |

|               |                  |
|---------------|------------------|
| <b>Module</b> | Signup (DaShaun) |
|---------------|------------------|

#### Incremental Testing

| Defect No. | Severity | How to Correct |
|------------|----------|----------------|
| 1          |          |                |
| 2          |          |                |

#### Regression Testing

| Defect No.  | Severity | How to Correct   |
|---|----------|--|
| 1 Home Module -> Signup:<br>Signup page could not be reached from the home page as intended | 2        | Correctly link the register button on the home page to the signup page |
| 2   |          |  |