Assignment 4 – ITC 357 v2

Bugfix- a bug is fixed when a marker, assesses both ITC313 and ITC357 on same machine, the database creation fails. This is fixed. Also, a list of urls where profile picture where obtained is added at bottom of page. And the ‘addition feature’ now includes ‘many recipients’.

**Discussion:**

The Site used a java bean on the session to store information, which is **good except for security**. When logging out the session was invalidated. This should stop other theoretical users from getting on the previous users computer a pressing the back button to take control.

I tried to keep to MVC model to much as possible, not because I had to but because wanted to have semi-challenge of it, to see how I would go. Between arrays/dynamic data and handing new lines screwing it over (and me not knowing how to handle it), I did run out of time but I tried to keep the scriplets to minimum. In this case, servlets would be easier to maintain for **sever administration purposes**, if we were to pretend it’s an actual production service.

**Additional feature:** my project did support use of **sent and inbox pages, many recipients**, also a **profile picture and tooltip.**

**Project:**

The **web layout** was used from a previous assignment of my own, ITC230 Assignment 2, this warrants mention but should not impact the marks the assignment about the delivery of information. It was mostly the sidebar, footer and CSS files.

The **button links** to other parts of the site are using ‘post’ as I decided to reuse code and same page to do multiple tasks. In doing this, I didn’t have to code in separate ‘doGet’ functions but made the side buttons look somewhat slightly.

In line with attempting to make my project run, the **web.xml was modified to allow direct browsing** to the home site without another servlet, it should make things easier.

**Some code was borrowed** and adapted from some of the lecture codes on interact, most notably the bean actions.

In an attempt to have a message actually delete its row and maintain a sent folder. Each message is entered twice in the messages table, differentiated by an owner\_id to each user. However, if email is sent to the sender, the same user, the **message glitches is displayed twice**. I’m not sure how make mysql delete/display one instance if they are same, without extra complicated if statements.

Misc notes:

**SQL setup data was generated** from the SQL workbench using data generated form the website it-self.

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| username | password |

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| **bgraham** | ilikehome |

| **vsmith** | gotoshops |

| **fbee**  | farming |

| sboch | doorsarebad |

| cbridge | windows |

| testAccount | 12345 |

| CourtRulez | court |

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Where bgraham is admin, vsmith and sboch have some notable messages. The way a username is made named is not programed, the first were made this way for ease of understanding and lack of ideas.

As per the subject outline and online recording, the setting for mysql used:  
username: **root**  
password **abc123**  
database: st1149089 (st<student id>) (created by program)

**Running the Assignment**

1. Ensure **MySQL** is running using username: **root** password **abc123** (as per subject outline)
2. Open **Eclipse** IDE for Java EE Developers
3. Open the “**file**” menu
4. Click “**Import**”
5. Expand “**General**”
6. Double click “**Existing projects into workspace**”
7. Browse for the **root directory** (the one with .project files etc.)
8. Import “**ITC357\_assign4**”
9. **Right Click “ITC357\_assign4” folder** on the right hand side
10. click “**run as**”
11. click “**Run on server**”
12. Choose the **apache server**
13. **If it works, great!**

**Troubleshooting: Remove tomcat from eclipse and re-add, Database driver**

1. From **eclipse**, click “**window**” on top toolbar
2. Click **Preferences**
3. Expand “**Server**”
4. Click “**Runtime Environments**”
5. Click **apache tomcat** and then **remove**
6. If a prompt comes up “**remove from affected servers**”, tick it (yes)
7. Click **Add,** choose **apache tomcat** version
8. Next and **Browse for apache installation**
9. **Finish**
10. **Right click project ITC357\_assign4**
11. Click **properties**
12. Click “**Java Build Path”**
13. If any **Apache Tomcat** or **jar** files there**, remove them**.
14. Click **OK**
15. **Right click project ITC357\_assign4**
16. click “**run as**”
17. click “**Run on server**”
18. **Choose** the **apache server**
19. **Hope it works**
20. IF NOT WORK (move apache installation)
21. **Move apache installation** to “**C:\apache**” (my location of apache)
    1. So **structure** is: **C:\apache\lib**
22. Ensure a database driver inside the **lib folder** eg (**mysql-connector-java-5.1.7-bin.jar**).
23. If still not work, use the screenshots below.

References

*Java Beans, (n.d.) ... Retrieved October 1, 2013, from Charles Sturt University website:* <http://interact.csu.edu.au/access/content/group/ITC357_201360_B_D/topic%20wise%20resources/topic%206/Java%20Beans.pdf>

Graham, J. (2013). *ITC230 – Assignment 2*. Retrieved from  
<http://csusap.csu.edu.au/~jgraha50/home.html>

**List of urls of where photos came from:**

http://www.freedigitalphotos.net/images/Business\_People\_g201-Business\_Man\_Water\_Surfing\_p78085.html

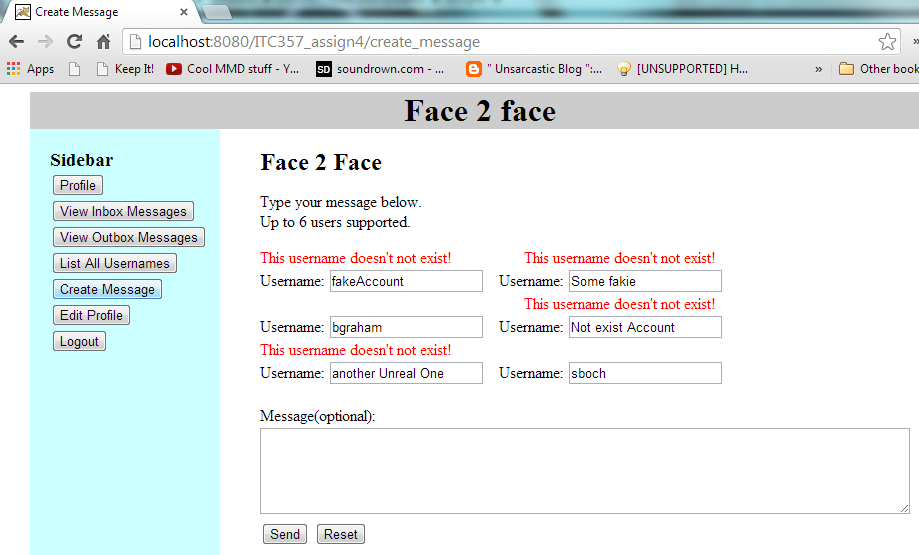
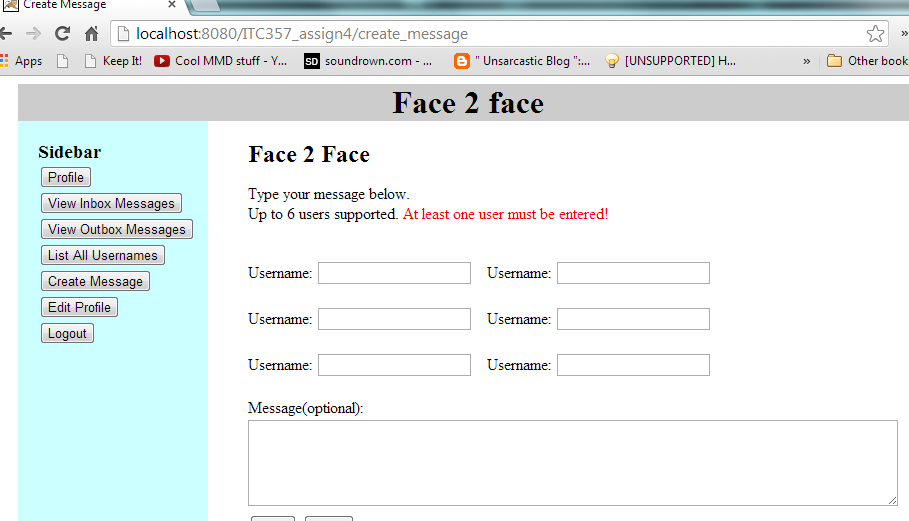
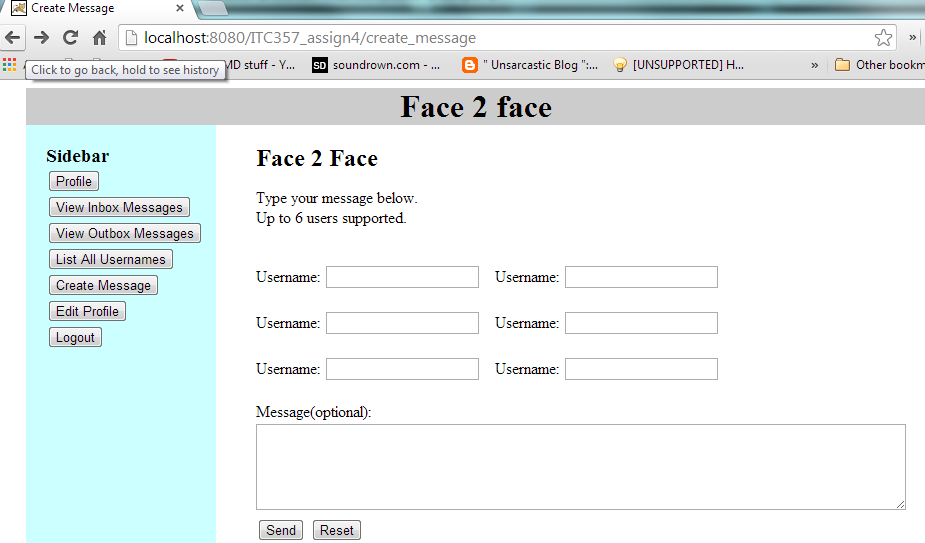
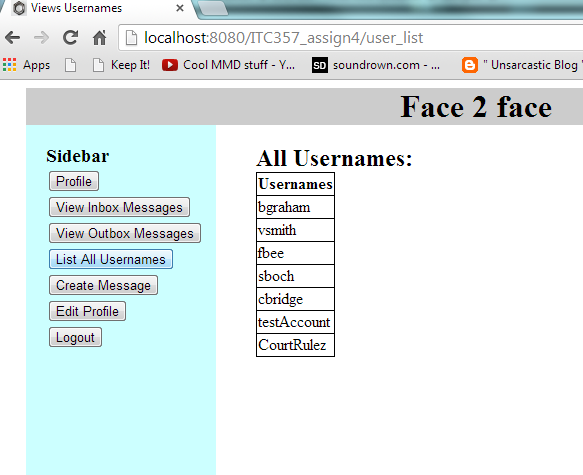
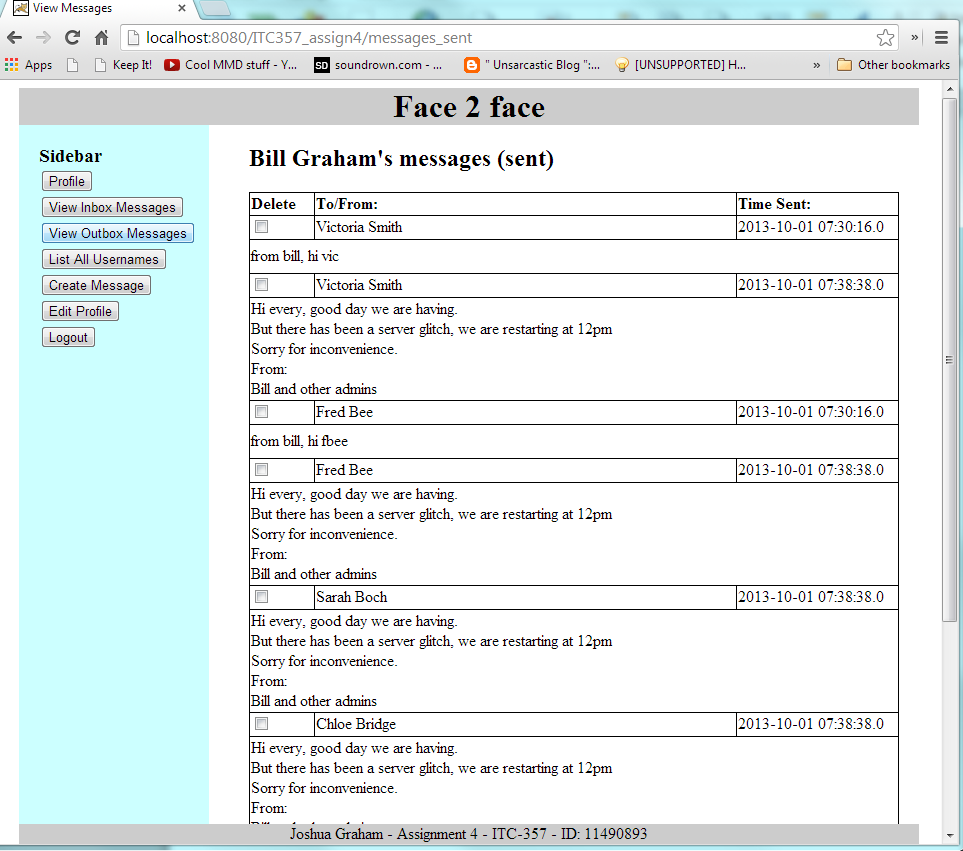
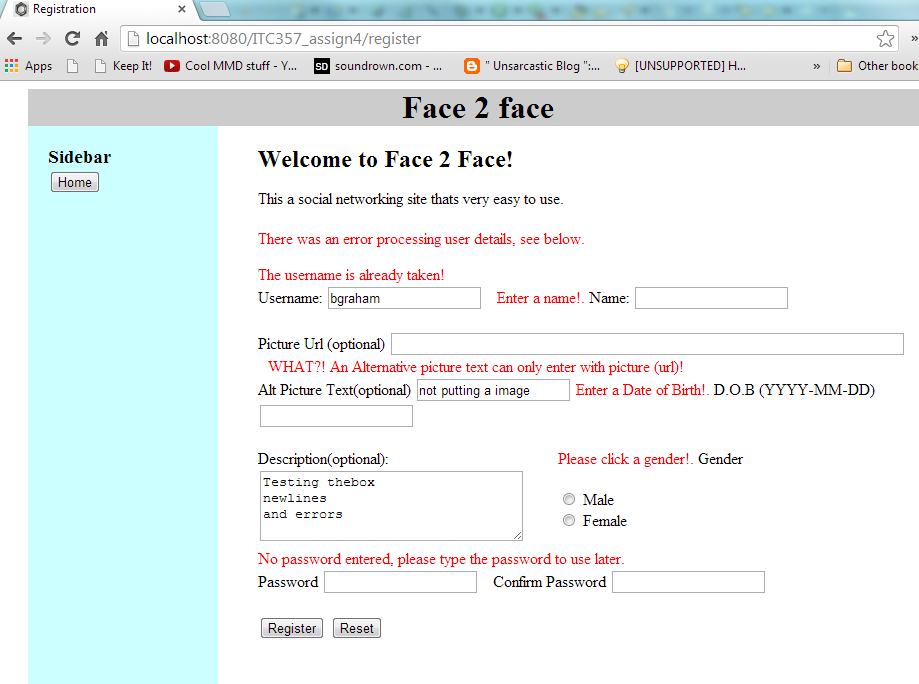
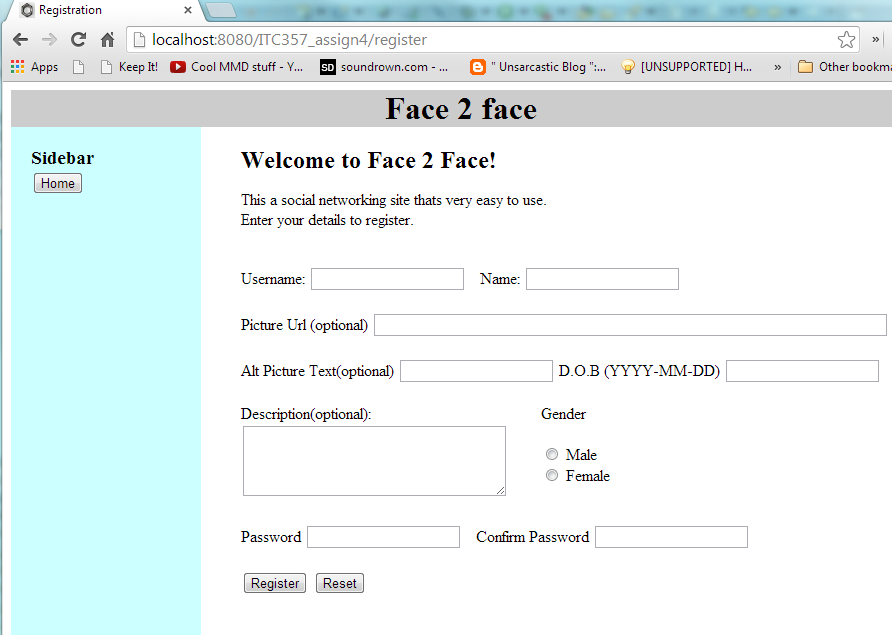
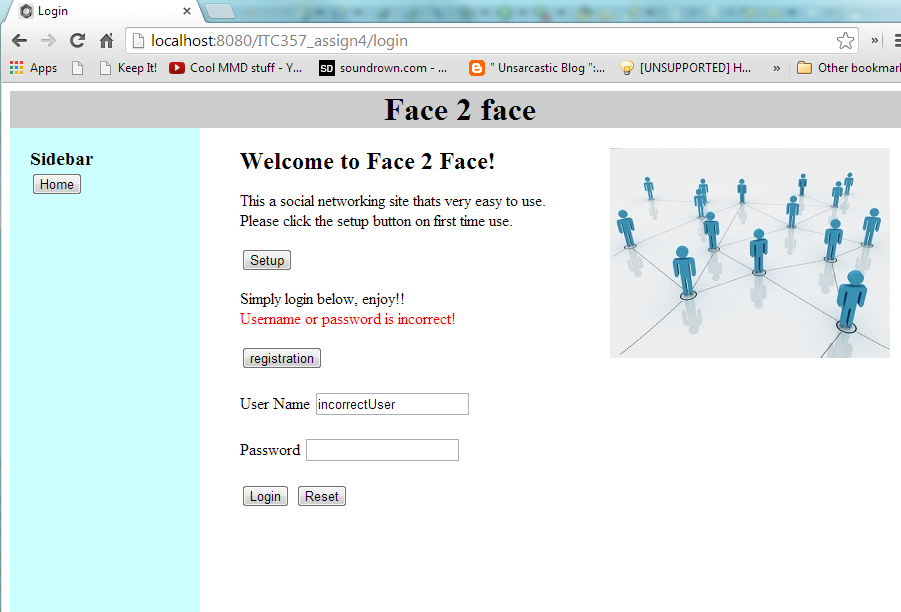
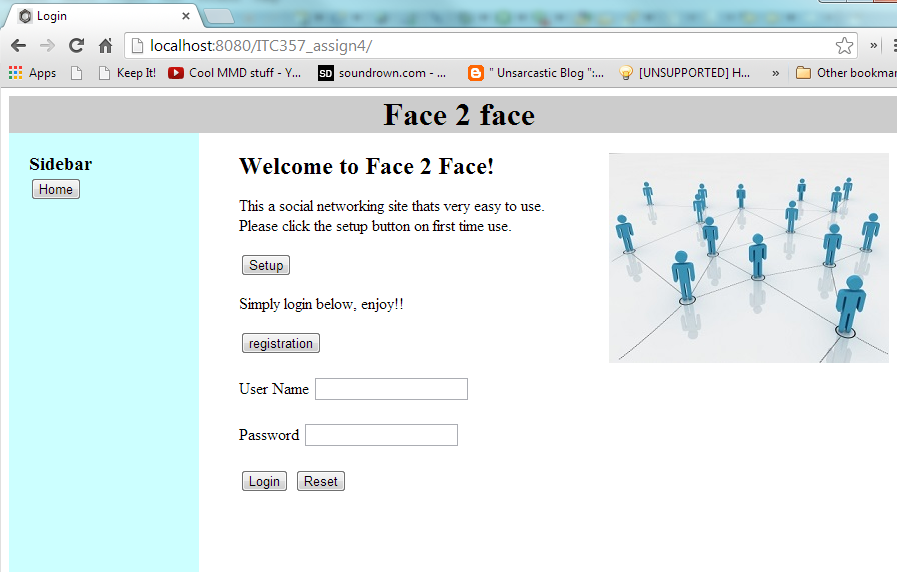
http://www.freedigitalphotos.net/images/Emotions\_g96-Cartoon\_Guy\_Shocked\_p94500.html

http://www.freedigitalphotos.net/images/face-ninja-photo-p197165

http://www.freedigitalphotos.net/images/Sports\_g372-Cartoon\_Skater\_showing\_victory\_p87200.html

http://www.freedigitalphotos.net/images/Funfairs\_Carnivals\_a\_g132-Clown\_p31710.html

http://www.dreamstime.com/royalty-free-stock-photo-no-user-profile-picture-image24185395

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