

FaceChat

LCA Presentation

Brought to you by: ACM Coke Closet,
A-Pizza Mart, and Jimmy John's

Parts

- Our project is broken into 3 groups:
 - User Interface: 2 Members and a Lead
 - Networking: 4 Members and a Lead
 - InYourFaceBook: 2 Members
 - Swinger: 1 Member

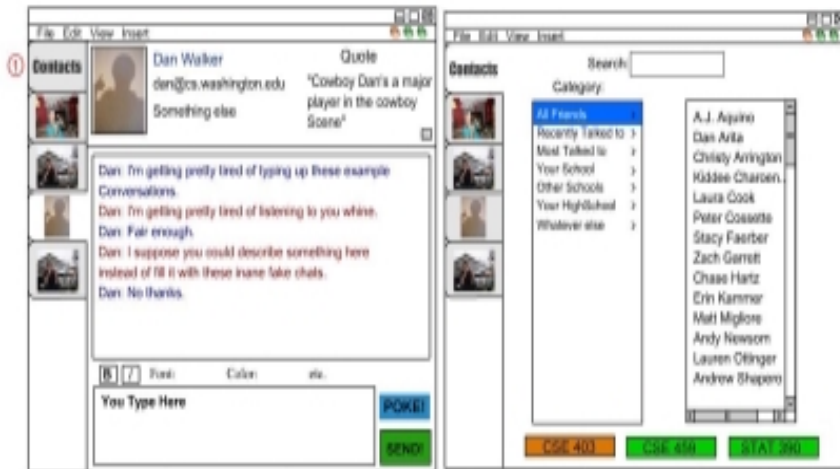
User Interface Group

- UI: In charge of Interface design and implementation as well as control
- Team starts with 3 people and will expand as other groups finish their portions
- Will have support from the Swinger as time permits

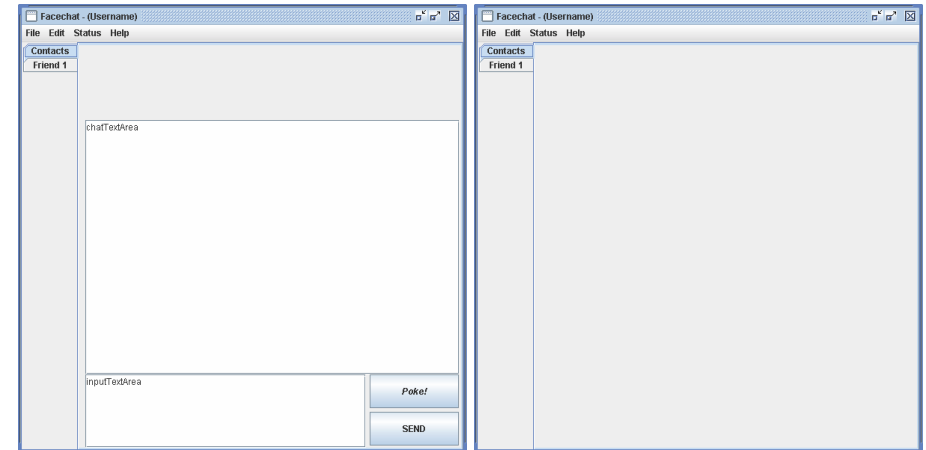
UI Tasks

- Create a useable user interface
- Implement Friends Search Feature, Custom Chat Text, Chat Tabbing, Course Room chat indicators, File Structure, Menu system, Preferences dialogue, Login dialogue, flare driven features
- Communicate with Networking and InYourFacebook Groups

- Interface Design v1.3.5 – Goal Interface



- Currently Implemented GUI Shell
- No control, just layout



UI Flow Chart



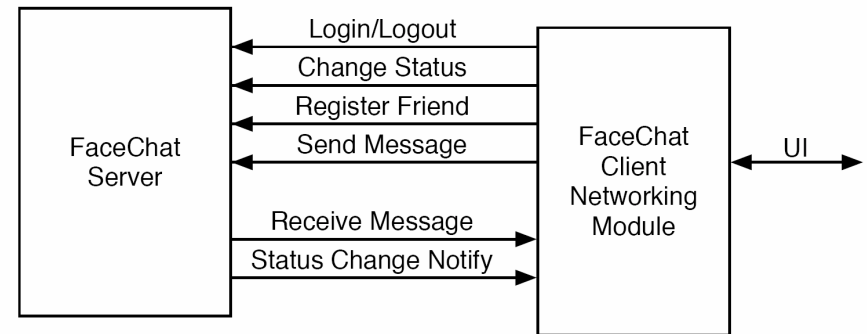
Networking Group

- NW: In charge of the chatting protocol and logging of user status
- Team starts with 5 members and will shrink over time to add support to UI
- NW Lead will have continuous communication with Swinger and UI Lead for cross integration

NW Tasks

- Create Server program to accept and forward messages and maintain chat protocol
- Maintain database on users status
- Maintain indicators on chat room traffic and information
- Communicate Extensively with UI and IYF

Client Server Communication



InYourFacebook Group

- IYF: In charge of crawling the Facebook and extracting information, and log in functionality
- Team starts with 2 people and will end up joining UI group

IYF Tasks

- Create Relationship with Facebook
- Extract information from Facebook, create data structure for passing Facebook information, maintaining cookie and log in protocol
- Communicate with Networking and UI Groups

InYourFacebook API

Package Facechat.IYF

Class Summary	
FaceBookCourse	A Simple, Course Data Storage Class, for use with all classes in the Facechat.IYF package
FaceBookFriend	This Class stores some information about a specific friend.
FaceBookUser	A Simple, User Data Storage Class, for use with all classes in the Facechat.IYF classes
InterFaceBook	The Standard FaceBook interface class for Facechat.
LoggedOnUser	A Logged On FaceBookUser, used to support interface with Facebook's servers.

Exception Summary	
FaceBookLoginException	Represents a Facebook login error(usually an incorrect password or username)

Risk Management

Problem	Gravity	Resolution
Finite Number of Chats	Not critical, Low chance of desire	V 2.0 fix with improved chat list
Saved Custom Away Message	Not critical, design Choise	V 2.0
Customizable Text	Not Critical, aesthetics	More research needed. UI group will determine
'x' phobia (user not knowing if they may accidentally close the entire program instead of just a chat window)	Not critical, User fear problem	Find an alternative to an 'x' for closing
Independent Executable file vs. needing the JVM pre-installed	Not critical, saves user from need to have java installed	Try it
OSX has issues w 1.5 getting installed	Cumbersome, added user stress	Build in 1.4.2 additionally
Facebook not Cooperating	Critical, but manageable	Use shadow accounts, client side login so server isn't blocked. Testing on remote accounts.
Blocking waiting for messages	Critical	Some research into using threads
Unsure if messages sent over network will be received as one piece, or in multiple pieces	Probably not an issue for small scale, but would be critical for large scale release	Testing is needed
Nolan killing the group with flatulence	Critical, members passing out will cramp productivity	Restricted diet with herbal vitamins

How we are tying it together

- Using open methods to pass information
- Well documented API
- Thorough Communication between groups and later integration
- Rope