



The Best



The Best Chat Ever



Team Members

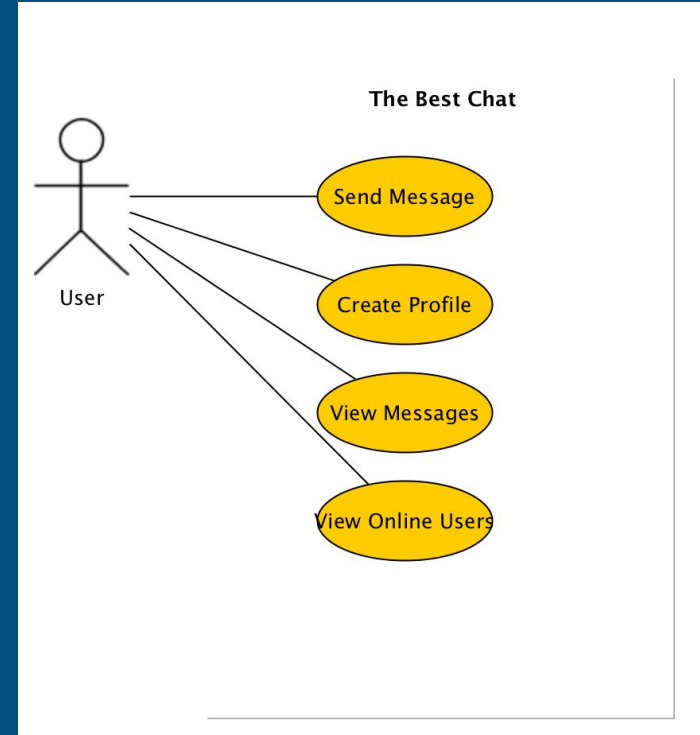
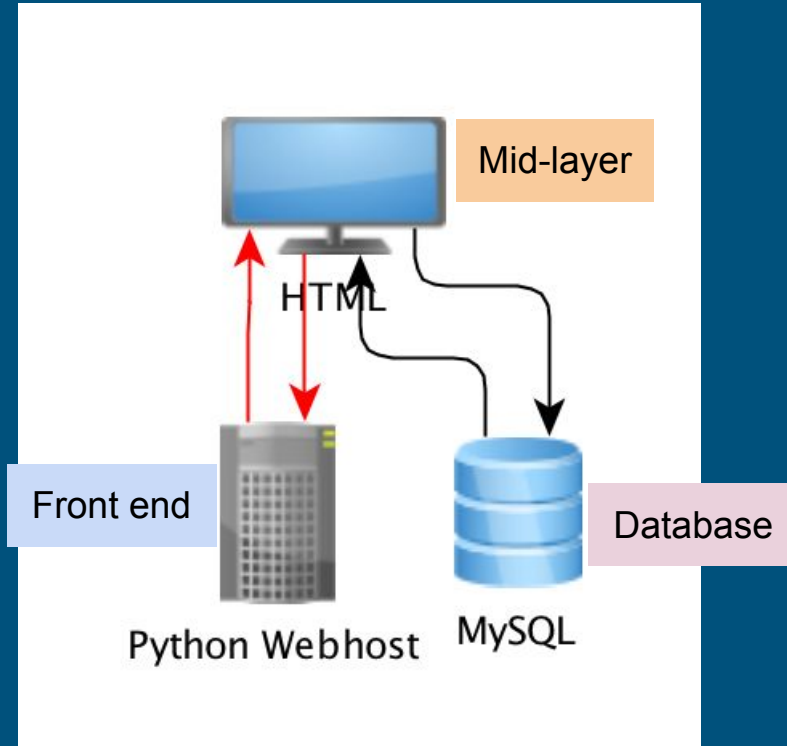
- Joshua Nguyen
- Lauren McIntire
- Anthony Keydel
- Hartland Brown
- Jacob Hans
- Sasha Farhat



Project

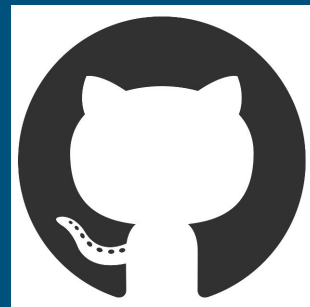
- Design a messaging system for personal messaging
- Can see all users online available for chat
- Can create a personal profile
- Targeted to people who want to chat with anyone in the world (e.g. Omegle)
- Give users ability to post article then chat the author

Architecture



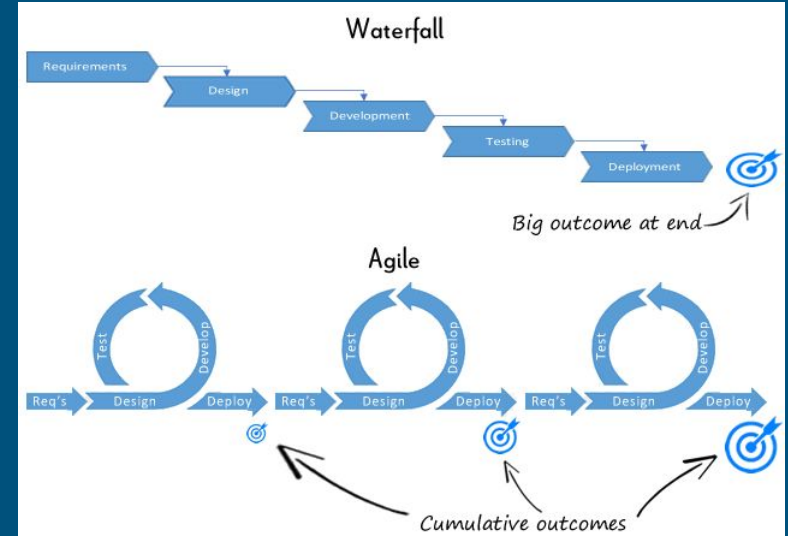
Tools (rated out of 5)

- Deployment and Sockets: **Flask** (3, useful, weird integration)
- Realtime library: **Socket.io** (1, bad doc)
- Database: **SQLAlchemy** - SQL toolkit for Python (5, easy)
- VCS Repository: **GitHub** (5, easy)
- Team Communication: **Slack** (5, easy)
- Project Tracker: **Asana** (1, weird layout)
- Design: **Adobe Illustrator** (5, easy)
- Unit Testing: **PyTest** - (2, hard to test)



Methodology

- Agile
 - Added features and tested as added
- Waterfall
 - Full integration of HTML, and separate apps
 - Not integrated as developed
 - Two members created same app with different functionality



Challenges

- Sockets are hard and not taught
 - Google and web help
- Database issues and Logic of the website
 - Creation of tables, which tools to use for this project, and logic of website
 - (Auto increment, hash passwords), (sqlalchemy and postgres), (users/author)

Challenges (cont.)

- Integration biggest coding challenge
 - Man hours and specialists communicating
- Communication with team
 - Hunted people down
 - Good pace of work
 - Always moved forward

Lessons Learned

- Start early with integration
 - Use entirely agile and incorporate Continuous Integration
- Communicate about progress frequently
- Learned how to use sockets
- Working on one project as a team -- clashing ideas

Repository:

<https://github.com/JacobHans/TheBest>

Logo Sources

<https://www.projecttimes.com/articles/keeping-your-project-team-motivated-and-engaged.html>

<http://www.crmsearch.com/agile-versus-waterfall-crm.php>

<https://www.logicsupply.com/explore/io-hub/socket-io-control-beaglebone-black/socket-io-logo/>

<https://www.fullstackpython.com/sqlalchemy.html>

https://assets-cdn.github.com/images/modules/open_graph/github-mark.png

<https://www.forbes.com/companies/slack/>

<https://asana.com/>

<https://helpx.adobe.com/illustrator/tutorials.html>