In today’s society people are interconnected digitally, and communicate with one another through a variety of means including cellular phones, email and the Internet. The latter has given rise to so-called "social media," such as Twitter and Facebook, where individuals can communicate with many people at once.

The problem with most social media services, is that most communications are text-based, and lack the "character" of the intended communication, leaving messages flat, devoid of emotion and open to misinterpretation.

Shout! is a new social media project that aims to solve that problem by allowing users to publish their thoughts in their own voice using audio, thereby retaining specific audio cues such as inflection and emotion.

My challenge focused on keeping users continuously interested and informed about recent content and events generated by users in their network in particular.

In order to provide a richer user experience, Shout! includes features such as:

- Creating an account
- Login with Twitter service
- Publishing content
- Listening to shouts
- View a timeline of shouts
- Follow other users
- Record an audio message
- Post a comment on a shout
- View comments of a shout
- Attach an image to a shout
- Search for other users
- View user profile information
- View image attached to a shout
- Provide feedback about the system
- Adding an image to profile

With the implementation of various events and notifications, users will be nudged into actively participating in the generation of content, as well as constant monitoring for automatic recovery in the event of any failures. To achieve these goals we have used frameworks and techniques that allow for automatic spawning of additional background workers when needed, as well as constant monitoring for automatic recovery in the event of any failures.

In addition to being an innovative social-media solution, Shout! has been built from the ground up with robustness and scalability in mind. To achieve these goals we have used frameworks and techniques that allow for automatic spawning of additional background workers when needed, as well as constant monitoring for automatic recovery in the event of any failures.

With the implementation of various events and notifications, users will be nudged into actively participating in the generation of content, as well as the expansion of their personal network of friends and followers; this will keep conversations alive and growing throughout the life of the system.

Acknowledgement

The material presented in this poster is based upon the work supported by Ricardo Vázquez. I am thankful to the help that I received from my group members: Alfonso Boza, Anthony Gonzalez, Michael Garcia, and Jesse Domack.