Viet Lai

012140464

**Emergency Notification System**

- Emergency notification system

- All users store a phone number

- Sends notification to mobile app and to all cell numbers

- Design goals

- Quick use

- Send an instant message to every user at the press of a button.

- Pre-written messages with the ability to quick edit them before release.

- Easy accessibility

- Regulated to contain only important information

- Cost

<https://www.textmagic.com/sms-pricing/>

- API Friendly mass texting solution

- Expensive per notification - $2000 for 50000 messages

- Quick and easy extension to our current api

- Time to implement

- 1 work week (40 hours) of work to implement and test

- Code is extremely simple

**Implementation**

- Load the TextMagic REST API

- Add methods to current classes that call required functions from the TextMagic API

- Extend previous classes

- Extensions to current classes

- Notification

- Send(phonelist), Calls the send method from ™ API, takes a phone number list as an argument, and also sends a notification to mobile app.

- Edit(string), Change notification information

- User

- Phone Number

- New classes

- PhoneList

- GatherNumbers, Goes through every user and gets phone number from them, store in an array