

## Development Ideas

1. Android App - Type to shut off
2. Android App - Crypt It!
  - Users can encrypt phrases, sentences
  - Select from multiple encryption techniques
  - Can automatically decrypt based on proper keyword
  - Multithreading, reflection needed?
3. Web App or Android App - Typing Game
  - 2 people - attack / defend
  - SQL database to store coins and username and password
  - coins use to customzie user - hats, weapon skins, etc.
  - faster person wins
  - tug of war maybe?
  - or maybe a zombie attack and defend
    - longer word = longer life
    - user gets to pick whether to attack or defend
    - tab key = switch state (attack / defend)
    - attack = choose letter word by pressing number first - then type word
    - defend = simply type the word
    - select from predefined words of certain length such that user cant just randomly press letters
4. Phone App - Security Multiplayer Game
  - Players attempt to guess each other's security password
  - See how vulnerable passwords are
  - Spend on upgrades – use complex symbols, increase character count, etc.
5. Machine Learning - Detect Cancer?
  - Parse through data, see if there's a correlation between cancer and data?
6. Hardware - Robot Cleaner
  - Cameras installed
  - Uses computer vision to detect trash
  - Learn what trash installed

- Use camera underneath to pick it up

7. Brainwave API - Video Game

8. Artificial Intelligence