Assignment 9 aims

- Trying out MsomeogoDB
- Have fun

Due date and time

- 11/6 Tuesday 11pm

Grader

Instruction

Submit load.py, solve.py, and a sample result (list of words given a board).

1. MongoDB setup

https://doc.google.com/document/d/1nrdaadJ3fCLzG32ky_ySDCCl0VFu1U4FVvnr2iCqN9M/edit

To prevent port collision, let's claim ports. Put your name and your port here:

(NOTE: 65535 is the highest number. If you put a value higher than this, you will get an error)

YY: 30000
Cody Slaven: 12192…
Becky Torrey: 10254
Kat: 10293
Camren Babbs: 35353
Meghan Feeley: 36363
John Cary: 39826
Pat Ostrom: 42034
Hanna Kim: 31713
Brandon Drudge: 17235
Michael Auslen: 17025
Evan Hall: 25209
Owen Groves: 27123
Bryant Alessi: 54321
Sid Dasari : 60006
Shawn DeWitt 10125
Zach Bregman 22111
Kyle Miller: 47404
Ameen Maali: 25876
Caroline Majerczyk: 12273

Laura Lakin: 12345
Curtis Taylor: 25000
Blake Luken 18181
Chad Nobbe 65535
Zac Lawton 59595
Pat LeBuhn 60005

I highly recommend you to follow the tutorial:
http://www.mongodb.org/display/DOCS/Tutorial

2. Letterpress

Letterpress is a really fun mobile game. It's a word game like scrabble, where you need to construct words using given letters. You can play it by yourself (be careful!) if you have an iPhone/iPad (not sure whether there is android version). If you can't play with 'you phone, you can watch this review: https://www.youtube.com/watch?v=eCe_LdqAVTM

So here is the problem: can we computationally identify all possible words that we can construct from the 25 letters given to us?

> *I'll explain my solution in a separate page. If you want a challenge, don't look at it and think about it. Then build your own version. You'll get full points + extra credits (20pts) if you build it by yourself (you don't even need to use mongodb in your version). If you do both (your version + my version), you'll get 50 extra points total.*

Here is my idea: Letterpress solver design

3. (More extra credits - 20pts) Make the letterpress solver as a CGI script.

You need to change the setting of the mongodb.conf like following (allowing access from other computers) and restart it.

```
# bind_ip = 127.0.0.1   (put # in front to comment it out)
```

Also in the CGI script, you need to connect to the mongodb by putting the server name like this:

```
conn = pymongo.Connection('silo.soic.indiana.edu', 30000)
```

You can see my version here:

http://cgi.soic.indiana.edu/~yyahn/letterpress/index.html