ENGR 102 PROGRAMMING PRACTICE

Syllabus

Course Organization

- Syllabus will be available on LMS
- Instructor: Mehmet Ercan Nergiz
  - e-mail: mehmetnergiz@sehir.edu.tr
  - office: 4021
  - office hour: Wednesday, 14:00 – 16:00
- Textbook:
  - Programming Collective Intelligence by Toby Segaran. O'Reilly Press

Course Organization

Teaching Assistants, Office Hours, Practice Sections

Ahmet Taha Celik	tahacelik@std.sehir.edu.tr	Th 16:00-18:00	P3
Fahed Shaabani	fahedshaabani@std.sehir.edu.tr	N/A	P1, P2
Ahmet Ensar Koprulu	ahmetkoprulu@std.sehir.edu.tr	W 12:00-14:00 Th 13:00-14:00 F 13:00-14:00	N/A

Course Organization

- 5 mini projects
  - 10% each
- Midterm Exam
  - 20%
- Final Exam
  - 30%

Course Organization

- Mini Projects:
  - Duration: 2-3 weeks
  - Individual or 2-person small groups
- Evaluation:
  - Plagiarism check
  - Grading criteria announced in the project manual
    - What functionality works?
    - Code organization (comments, naming, etc.)

Course Organization

- Mini Project Evaluation:
  - Your mini project grade <= 2 * ExamGrade
  - ExamGrade
    - Midterm Grade for MP1 and MP2
    - Avg. of Midterm and Final for MP3, MP4, MP5

Course Organization

- **Plagiarism**:
  - Zero tolerance
  - Cases will be referred to the Ethics Committee
  - Both parties (provider and receiver) are responsible
  - Process:
    - Automated computerized checks for pre-filtering
    - Human review for confirmation
    - Referral to the Ethics Committee if true positive

Plagiarism Reports

Submissions_2/ _9137_assignsubmission_file_/ (36%)		Submissions_2/ _9061_assignsubmissi (41%)
112-138		106-134
62-70		60-67
7-14		8-15
93-98		85-90

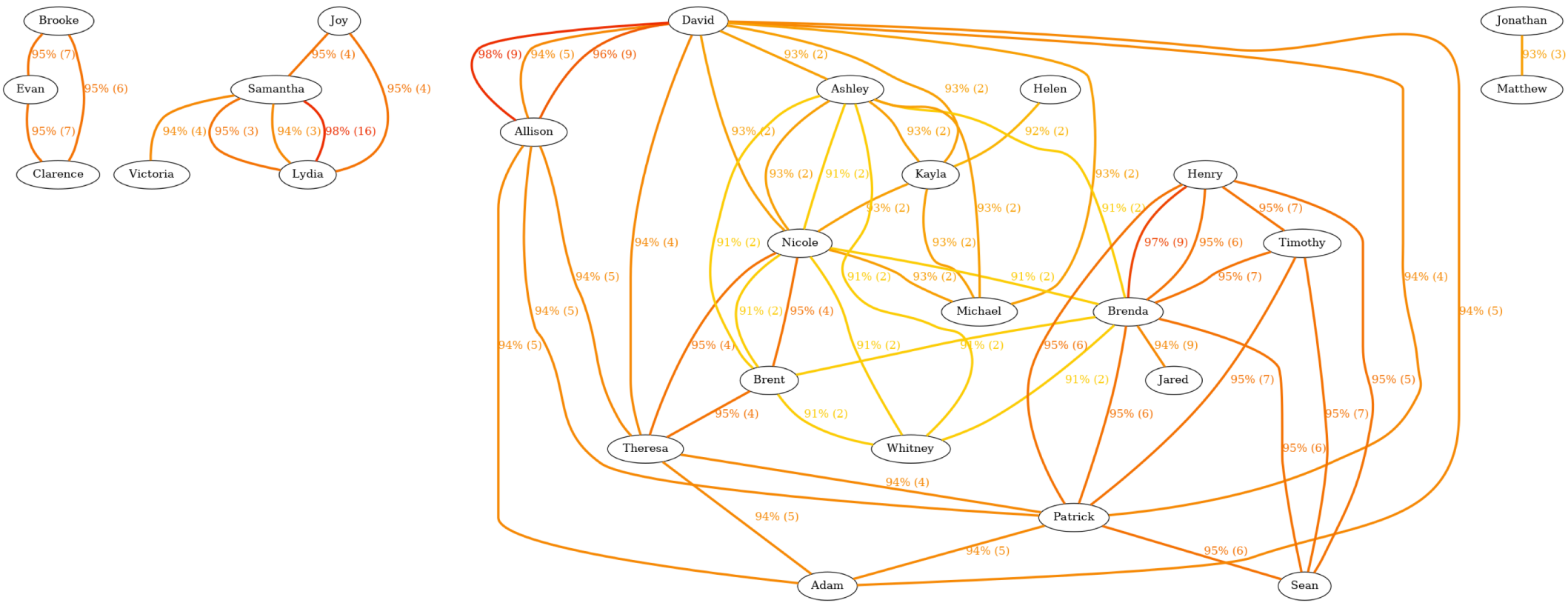
Submissions_2 9137_assignsubmission_file

```
>>>> file:                    .py
import random
def Name_Determiner():
    global x
    global y
    print('-----First Hero-----')

    x=(input('Please type your heros name:'))
    print('-----Second Hero-----')
    y=(input('Please type your heros name:'))
    if x==y:
        while x==y:
            print('Sub-zero is taken,please choose another name!')
            print('----Second Hero-----')
            y=input('Please write Your heros name:')
Name_Determiner()
#Determine the names of hereos

my_list=[]
for i in range(1,101):
    my_list.append(i)
#Every i get %1 possibility - total-->%100

def Coin_toss1():
    global m
    global h1
    global h2
```

Submissions_2/ _9061_assignsubmission_file_/

```
>>>> file:          .py
import random


def start():
    global first_heros
    global second_heros

    first_heros = raw_input('Please type your heros name:')
    print '-----Second Hero-----'
    second_heros = raw_input('Please type your heros name:')
    if first_heros == second_heros:
        while first_heros == second_heros:
            print 'Sub-zero is taken,please choose another name!'
            print '----Second Hero-----'
            second_heros = raw_input('Please write Your heros name:')

my_list = []
for i in range(1, 100):
    my_list.append(i)


start()
def firstattack():
    global first_hero_attack
    global s1
    global s2
```

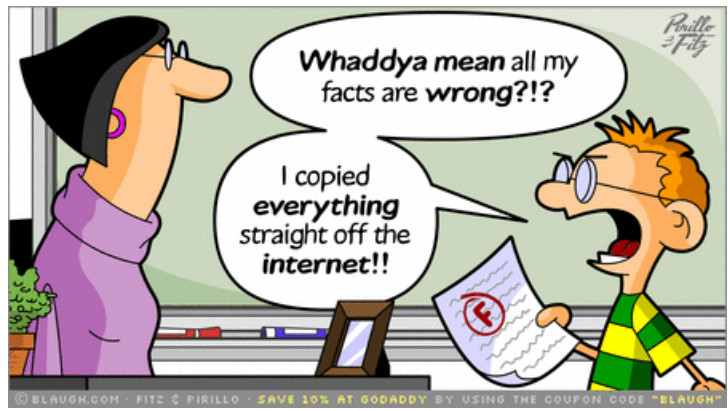
Plagiarism Reports



Course Organization

- **Other notes**:
  - Attendance policy:
    - Same as the university policy: 80% threshold
    - Attending in a different section than the registered one is **not** allowed
  - Do not work with or talk to others about your projects.
    - You are only allowed to work with your teammate
- Copying from other web sites is plagiarism as well

- "I did not get the solution from anyone! I Google'd by myself, I found a solution by myself, I tested it by myself, … by myself, … by myself, … by myself."



Course content

WEEKLY TOPICS AND PREPARATIONS		
Weeks	**Topics**	**Reading**
Week 1	Introduction, Files	Think Py – Ch 14
Week 2	Databases, Pickling, Exceptions	Think Py – Ch 14
Week 3	GUI Programming – Widgets	Class Material
Week 4 - MP1 posted	GUI Programming – Layout Managers	Class Material
Week 5	GUI Programming – Events	Class Material
Week 6 - MP1 due	Introduction to Collective Intelligence, Making Recommendations	Ch 1, 2
Week 7 - MP2 posted	Collaborative Filtering	Ch 2
Week 8 – MT	Discovering Groups	Ch 3
Week 9 - MP2 due, MP3 posted	Discovering Groups - Hierarchical Clustering	Ch 3
Week 10	Searching and Ranking - Crawling	Ch 4
Week 11 – MP3 due, MP4 posted	Searching and Ranking – Indexing and Querying	Ch 4
Week 12	Searching and Ranking – Ranking	Ch 4
Week 13 – MP4 due, MP5 posted	Document Filtering	Ch 6
Week 14 -	Classification with Naïve Bayes, Lambda Functions	Ch 6
Week 15 – MP5 due	Final Exam	