Московский государственный технический университет им. Н.Э. Баумана Факультет «Информатика и системы управления» Кафедра «Автоматизированные системы обработки информации и управления»



# Отчет по выполнению лабораторной работы По курсу "Разработка интернет-приложений"

Лабораторная работа № 2

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# Задание

# Вход:

username или vk\_id пользователя

# Выход:

Гистограмма распределения возрастов друзей пользователя, поступившего на вход

# Пример:

# Вход:

reigning

#### Выход:

19#

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# Исходный код:

```
| Class BaseClient:
| # URL vk api
| BASE_URL = None |
| # MeTod, vk api |
| method = None |
| # GET, POST, ... |
| http_method = None |
| # Honyvehue GET napamerpob sampoca |
| def get_params(self): |
| return None |
| # Honyvehue dahhbux POST sampoca |
| def get_json(self): |
| return None |
| # Honyvehue HTTP saronobkob |
| def get_headers(self): |
| return None |
| # Cknekka url |
| def generate_url(self, method): |
| return '{0}{1'.format(self.BASE_URL, method)} |
| # OTNDABKA SAMPOCA k VK API |
| def _get_data(self, method): |
| response = None |
| # todo BainonhuTb Sampoc |
| return response |
| # solf.response_handler(response): |
| return response |
| # Samyok kinehta of VK API |
| def response_handler(self, response): |
| return response |
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```

#### Baseclass.py

#### Friends.py

# Get\_id.py

#### Main.py

```
import friends
import getid
import datetime
import matplotlib.pyplot as plt
name = input()
today = datetime.datetime.today()
id = getid.GetId()
uid= id.execute(name)
frnd = friends.Friends()
frnd = frnd.execute(uid)
a = []

for i in frnd:
    if 'bdate' not in i:
         continue
    if len(i['bdate']) > 5:
         d = datetime.datetime.strptime(i['bdate'], "%d.%m.%Y")
         y = int((str((today - d) / 365)[0:2]))
        a.append(y)
plt.hist(
    a,
    40
plt.show()
```

#### Итог

