산업정보관리론

Final PRESENTATION

맹수와 초식동물

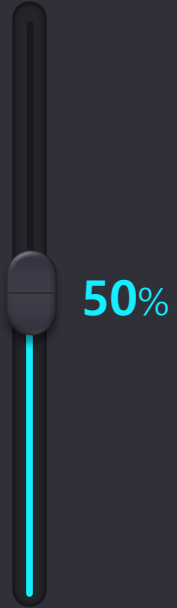강동인 2016147023
박준형 2018147009
염정운 2015147018
하현진 2016147039

100%

75%

50%

25%

Motivation

Data Modeling

**Programming by python
for customer service**
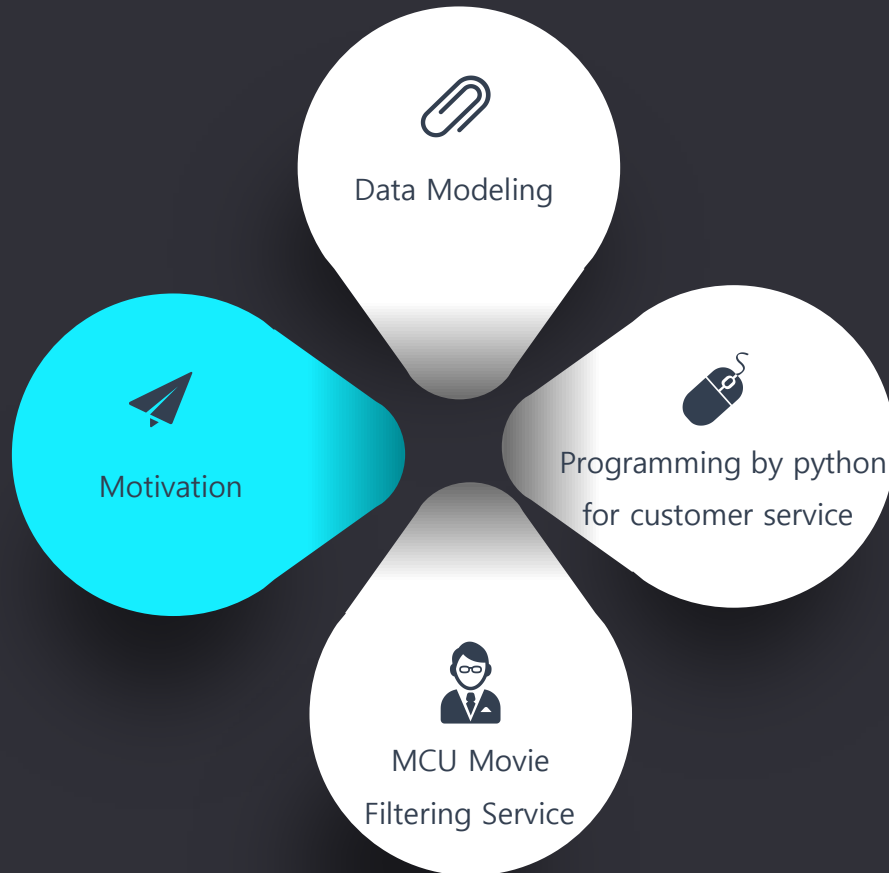
**MCU Movie
Filtering Service**

Data Modeling

Motivation

Programming by python
for customer service

MCU Movie
Filtering Service

Motivation

1. Released Date vs World View Order

2. Unexpected Appearance
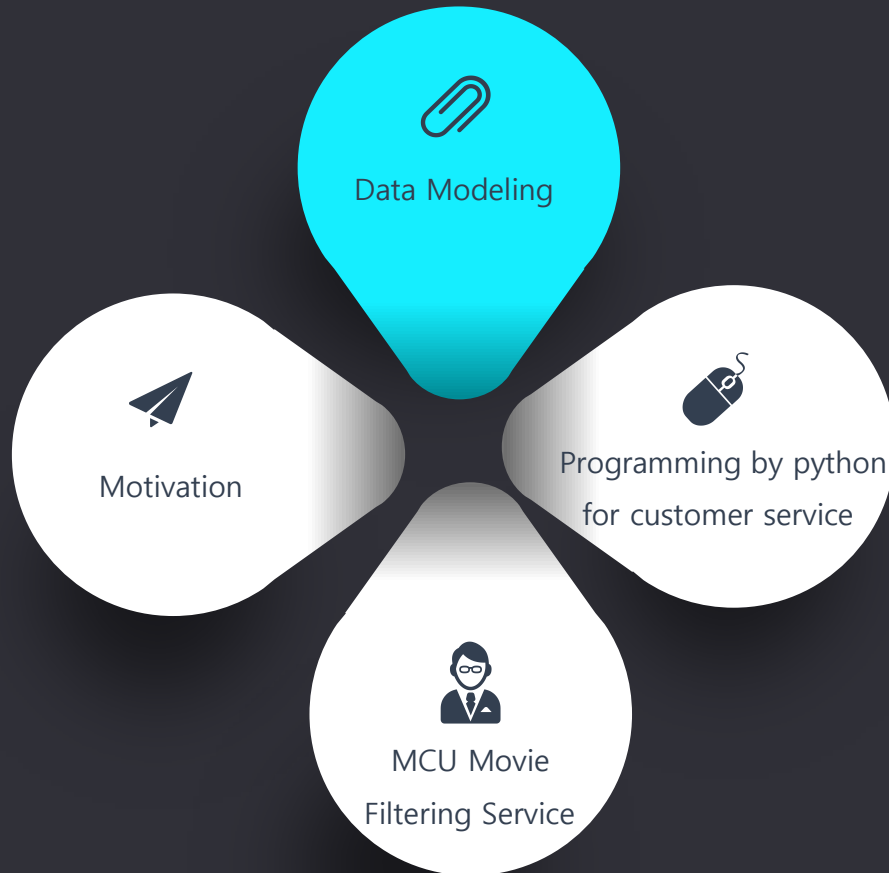
1. Released Date vs World View Order

Movie Released Date Order

Marvel World View Order

2. Unexpected Appearance

Ironman appeared in the 'Spiderman Homecoming'

Captain America wielding Thor's Hammer

Data Modeling

Motivation

Programming by python
for customer service

MCU Movie
Filtering Service

Data Modeling

1. MOVIE

2. SERIES_NAME

3. HERO

4. FILMOGRAPHY

5. MOVIE_QUOTOES

6. CUSTOMER

7. REVIEW

CREATE TABLE MOVIE (
    Title VARCHAR(50) NOT NULL,
    Release_date DATE DEFAULT NULL,
    Series VARCHAR(45) DEFAULT NULL,
    Director VARCHAR(45) DEFAULT NULL,
    RunningTime INT(10) DEFAULT NULL,
    Rotten_Tomato INT(10) DEFAULT NULL,
    World_View_Order INT(5) DEFAULT NULL,

    CONSTRAINT MOVIE_PK PRIMARY KEY (Title),
    CONSTRAINT MOVIE_FK FOREIGN KEY (Series)
    REFERENCES SERIES_NAME(Series)
    ON DELETE CASCADE ON UPDATE CASCADE
    );

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Title	VARCHAR(50)	☑	☑	☐	☐	☐	☐	☐	☐	
Release_date	DATE	☐	☐	☐	☐	☐	☐	☐	☐	NULL
Series	VARCHAR(45)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
Director	VARCHAR(45)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
RunningTime	INT(10)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
Rotten_Tomato	INT(10)	☐	☐	☐	☐	☐	☐	☐	☐	NULL
World_View_Order	INT(5)	☐	☐	☐	☐	☐	☐	☐	☐	NULL

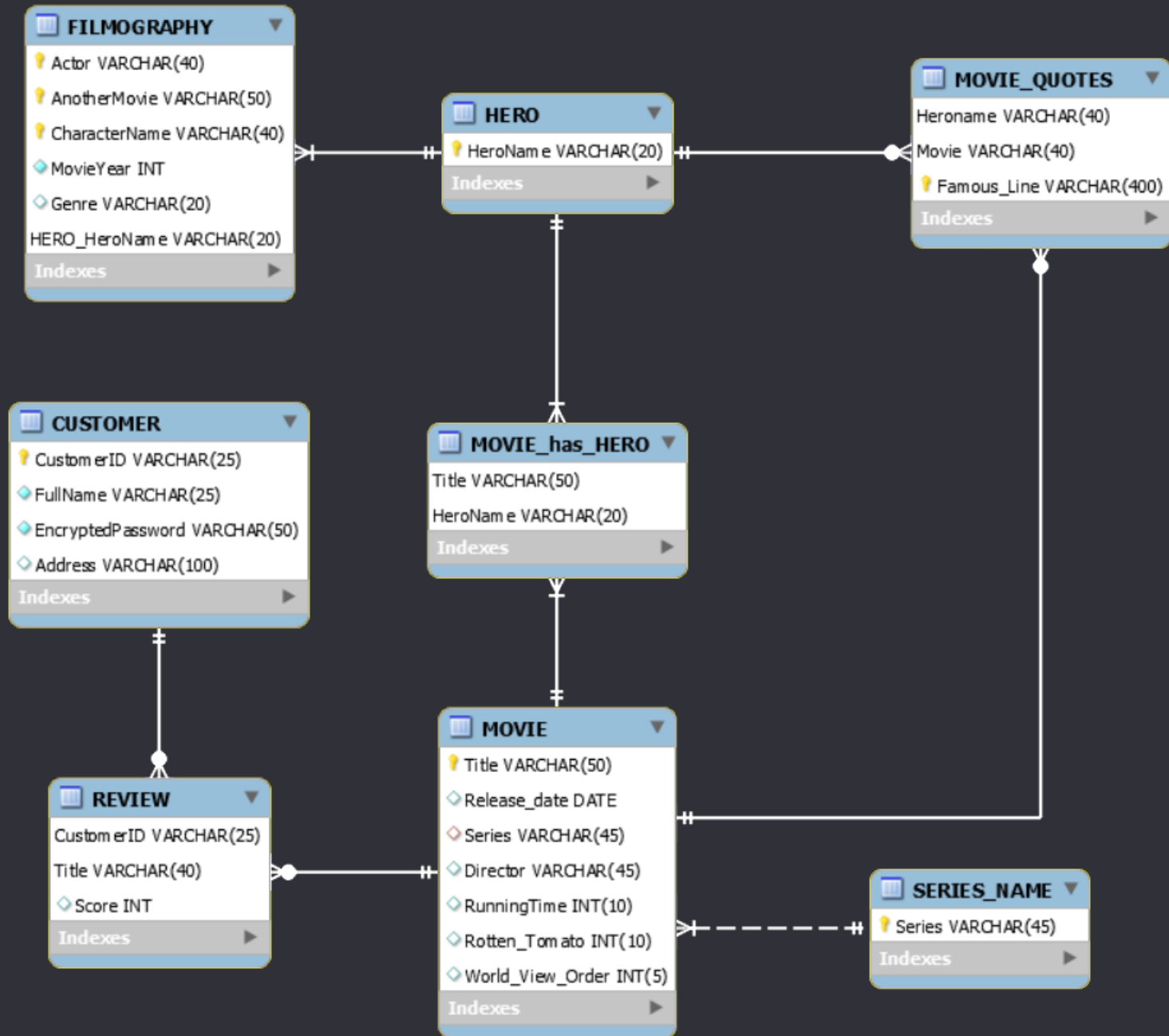| Title	Release_date	Series	Director	RunningTime	Rotten_Tomato	World_View_Order
Ant-Man	2015-09-03	Ant-Man	Peyton Reed	117	86	14
Ant-Man 3	2099-01-01	Ant-Man	Peyton Reed	NULL	NULL	NULL
Ant-Man and the Wasp	2018-07-04	Ant-Man	Peyton Reed	118	76	20
Avengers: Age of Ultron	2015-04-23	Avengers	Joss Whedon	141	83	13
Avengers: End Game	2019-04-24	Avengers	Russo brothers	181	91	22
Avengers: Infinity War	2018-04-25	Avengers	Russo brothers	149	91	21
Black Panther	2018-02-14	etc	Ryan Coogler	135	79	18
Black Panther 2	2022-05-06	etc	Ryan Coogler	NULL	NULL	NULL
Black Widow	2020-05-01	etc	Cate Shortland	NULL	NULL	NULL
Captain America: Civil War	2016-04-27	Captain America	Russo brothers	136	89	15
Captain America: The Firs...	2011-07-28	Captain America	Joe Johnston	123	74	1
Captain America: The Win...	2014-04-26	Captain America	Russo brothers	147	92	10
Captain Marvel	2019-03-06	etc	Anna Boden	123	55	2
Captain Marvel 2	2099-01-01	etc	Unknown	NULL	NULL	NULL
Doctor Strange	2016-10-26	Doctor Strange	Scott Derrickson	115	86	17
Doctor Strange in the Mul...	2021-05-07	Doctor Strange	Scott Derrickson	NULL	NULL	NULL
Guardians of the Galaxy	2014-07-31	Guardians of th...	James Gunn	122	92	11
Guardians of the Galaxy ...	2017-04-27	Guardians of th...	James Gunn	136	87	12
Guardians of the Galaxy ...	2099-01-01	Guardians of th...	James Gunn	NULL	NULL	NULL
Iron man	2008-04-30	Iron man	Jon Favreau	125	91	3

CREATE TABLE HERO (
　　　HeroName VarChar(20) NOT NULL,
　　　Actor VarChar(40) NOT NULL,

　　　CONSTRAINT HeroPK
　　　PRIMARY KEY(HeroName, Actor),
　　　CONSTRAINT HERO_FK1 FOREIGN KEY (Actor)
　　　REFERENCES FILMOGRAPHY(Actor)
　　　ON DELETE CASCADE ON UPDATE CASCADE);

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
HeroName	VARCHAR(20)	☑	☑	☐	☐	☐	☐	☐	☐	
Actor	VARCHAR(40)	☑	☑	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

HeroName ▲	Actor
Ant_Man	Paul_Rudd
Black_Panther	Chadwick_Boseman
Black_Widow	Scarlett_Johansson
Captain_America	Chris_Evans
Captain_Marvel	Brie_Larson
Doctor_Strange	Benedict_Cumberbatch
Hulk	Edward_Norton
Iron_Man	Robert_Downey_Jr
Loki	Tom_Hiddleston
Spider_Man	Tom_Holland
Starload	Chris_Pratt
Thor	Chris_Hemsworth
Vision	Paul_Bettany
Winter_Soldier	Sebastian_Stan

Data Modeling

Motivation

Programming by python
for customer service

MCU Movie
Filtering Service
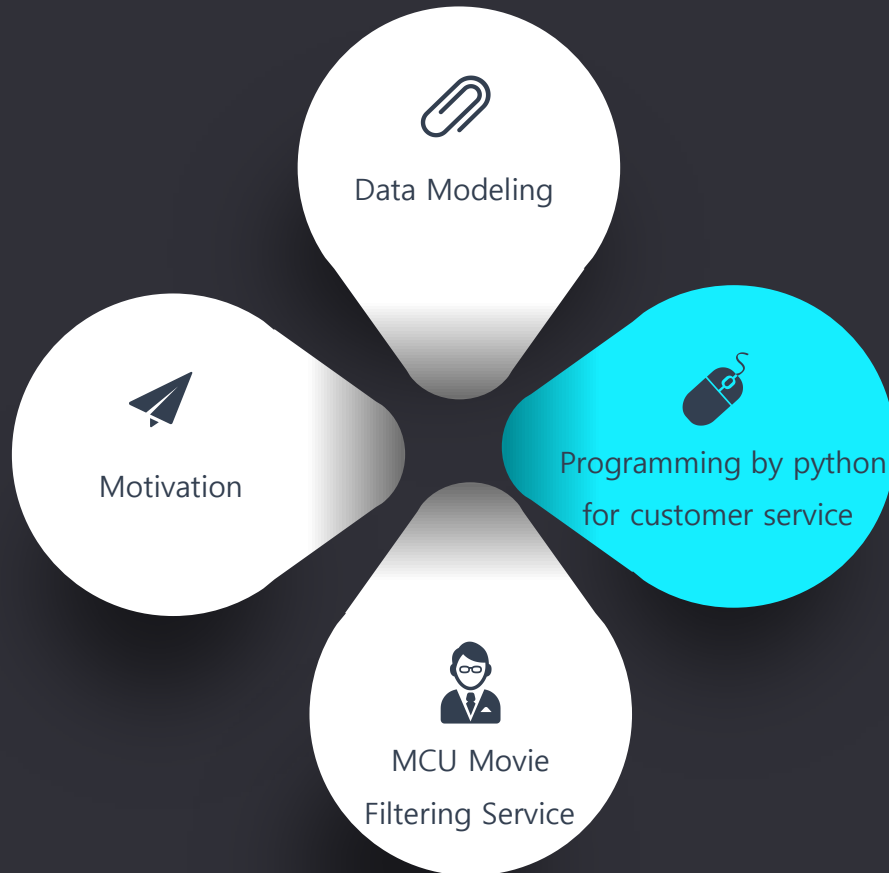
Programming by Python
for Customer Service

1. Log-in

2. Seen/ Not Seen Movies

3. Hero Line-up

4. Hero Filtering

5. Movie Quotes

6. Review

7. Filmography

8. Movie Percent

1. Log-in

```python
def logcheck(self,id,password): #OK
    sql = "select FullName from customer WHERE CustomerID=%s AND EncryptedPassword= %s"
    result = self.cursor.execute(sql,(id,password))
    name = self.cursor.fetchone()
    if result ==0:
        return False
    else :
        return True, name
```

CustomerID	[_____] Log-In
CustomerPW	[_____]

2. Number of Seen/ Not Seen Movies and the lists

```python
def seen_count(self, CustomerID):
    sql = 'select count(*) as counts from REVIEW group by CustomerID having CustomerID = %
    result = self.cursor.execute(sql, (CustomerID))
    total = self.cursor.fetchone()
    return total


def unseen_count(self, CustomerID):
    sql = 'SELECT count(*) as counts FROM MOVIE Where Title not in (SELECT Title FROM REVIEW WHERE CustomerID = %s) and Rotten_Tomato is not NULL;'
```

Welcome Dongin

You've watched 1 movies   More info

Need to watch 22 more

Not seen yet

Title	World_Vie	Series	Director	RunningTi	Rotten_To	Release_date
Captain America:	1	Captain America	Joe Johnston	123	74	2011-07-28
Captain Marvel	2	etc	Anna Boden	123	55	2019-03-06
Iron Man 2	4	Iron man	Jon Favreau	125	71	2010-04-29
The Incredible Hu	5	etc	Louis Leterrier	113	70	2008-06-12
Thor	6	Thor	Kenneth Branagh	112	76	2011-04-28
Marvel's The Ave	7	Avengers	Joss Whedon	142	91	2012-04-26
Thor: The Dark W	9	Thor	Alan Taylor	112	76	2013-10-30
Captain America:	10	Captain America	Russo brothers	147	92	2014-04-26
Guardians of the	11	Guardians of the	James Gunn	122	92	2014-07-31
Guardians of the	12	Guardians of the	James Gunn	136	87	2017-04-27

Seen movie

Title	World_View_Order	Series
Iron man	3	Iron man
Iron Man 3	8	Iron man

```
), Title FROM REVIEW WHERE CustomerID = %s)
```

```python
def not
    sql.
    res
    not
    ret

def se
    sql.                                    Title FROM REVIEW WHERE CustomerID = %s)
    res
    see                              R by World_View_Order ASC;'
    ret
```
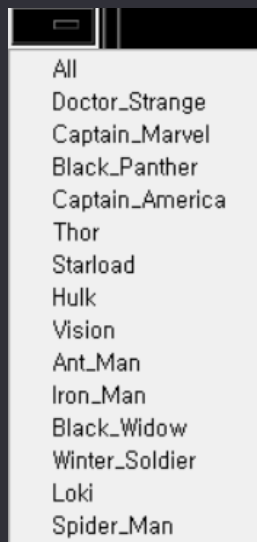
3. Hero Line-up

```python
def movie_hero(self, Title): #입력받은 Title의 영화에 등장하는 Hero 정보를 불러옴
    sql = 'select HeroName, Actor from MOVIE_has_HERO where Title = %s;'
    result = self.cursor.execute(sql, (Title))
    view = self.cursor.fetchall()
    str_list = ""
    for i in view:
        k = "{} | {} ".format(i['HeroName'].replace('_', ' '), i['Actor'].replace('_', ' '))
        str_list = str_list + k + '\n'
    return str_list
```
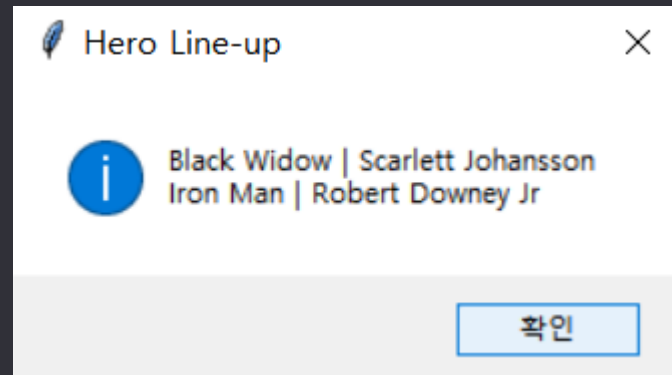

4. Hero Filtering

```python
def not_yet_seen_movie3(self,CustomerID, HeroName): #입력받은 CustomerID의 고객가가 보지 않은 영화들의 정보를 불러옴
    sql = 'SELECT MOVIE.Title, World_View_Order, Series, Director, RunningTime, Rotten_Tomato, Release_date FROM MOVIE, movie_has_hero WHERE MOVIE.Title = movie_has_hero.Title
            and MOVIE.Title not in (SELECT Title FROM REVIEW WHERE CustomerID = %s) and HeroName = %s order by World_View_Order ASC, Release_date ASC ;'
    result = self.cursor.execute(sql, (CustomerID, HeroName))
    not_yet_seen = self.cursor.fetchall()
    return result, not_yet_seen
```


Iron_Man

Title	World_Vie	Series	Director	RunningTi	Rotten_To	Release_date
Iron Man 2	4	Iron man	Jon Favreau	125	71	2010-04-29
Marvel's The Ave	7	Avengers	Joss Whedon	142	91	2012-04-26
Avengers: Age of	13	Avengers	Joss Whedon	141	83	2015-04-23
Captain America:	15	Captain America	Russo brothers	136	89	2016-04-27
Spider-Man: Hon	16	Spider-Man	Jon Watts	133	87	2017-07-05
Avengers: Infinity	21	Avengers	Russo brothers	149	91	2018-04-25
Avengers: End Ga	22	Avengers	Russo brothers	181	91	2019-04-24

5. Movie Quotes

Heroname	Famous_Line
Captain_America	I can do this all day.
Captain_America	I don't want to kill anyone. I don't like bullies. I don't care where they're from.
Captain_America	I'm gonna need a rain check on that dance.
Captain_America	I'm just a kid from Brooklyn.

```python
    if result == 0:
        return False
    else:
        return result, famous_line
```

7. Filmography

Filmography

AnotherMovie	CharacterName	MovieYear	Genre	Robert_Downey_Jr
Due Date	Peter Highman	2010	None	
Sherlock Holmes:	Sherlock Holmes	2011	None	
Chef	Marvin	2014	None	
The Judge	Hank Palmer	2014	None	
Dolittle	Dr. John Dolittle	2020	None	

' MovieYear;'

6. Review

Choices

Iron man

Your Score   Get

```python
def calculate_review(self, Title):
    sql = 'select Title, avg(Score) as Grade from REVIEW where Title = %s group by Title;'
    result = self.cursor.execute(sql, (Title))
    cal = self.cursor.fetchall()
    return result, cal
```

Reviews

Iron man

Iron Man | Robert Downey Jr

My Score:: 95

Grade :: 95.0000

8. Movie Percent

```python
def movie_percent(self, CustomerID):
    sql_all = 'select Series, count(*) as Total from MOVIE where Rotten_Tomato is not null group by Series order by Series asc;'
    result_all = self.cursor.execute(sql_all)
    total = self.cursor.fetchall()
    print('total::', total)

    sql_cus = 'SELECT Series, count(*) as Total FROM MOVIE WHERE Title in (SELECT Title FROM REVIEW WHERE CustomerID = %s) and Rotten_Tomato is not null group by Series order by Series asc;'
    result_cus = self.cursor.execute(sql_cus, (CustomerID))
    custom = self.cursor.fetchall()
    check_list = []

    total2 = {}
    for i in total:
        total2[i['Series']] = i['Total']
    custom2 = {}
    for i in custom:
        custom2[i['Series']] = i['Total']

    for i in custom2 :
        check_list.append(i)
    for i in total2 :
        if i not in check_list:
            custom2[i] = 0

    acheive_dict = {}

    for i in total2.keys():

        alll = total2[i]
        my = custom2[i]

        percent = '{} / {}'.format(my, alll)
        acheive_dict[i] = percent

    str_list = ""
    tail = "{} :: {} ".format('Etc', acheive_dict['etc'])
    for i in acheive_dict.keys():

        if i == 'etc':
            continue

        k = "{} series :: {} ".format(i,acheive_dict[i])
        str_list = str_list + k + '\n'

    str_list = str_list + tail
    return str_list
```
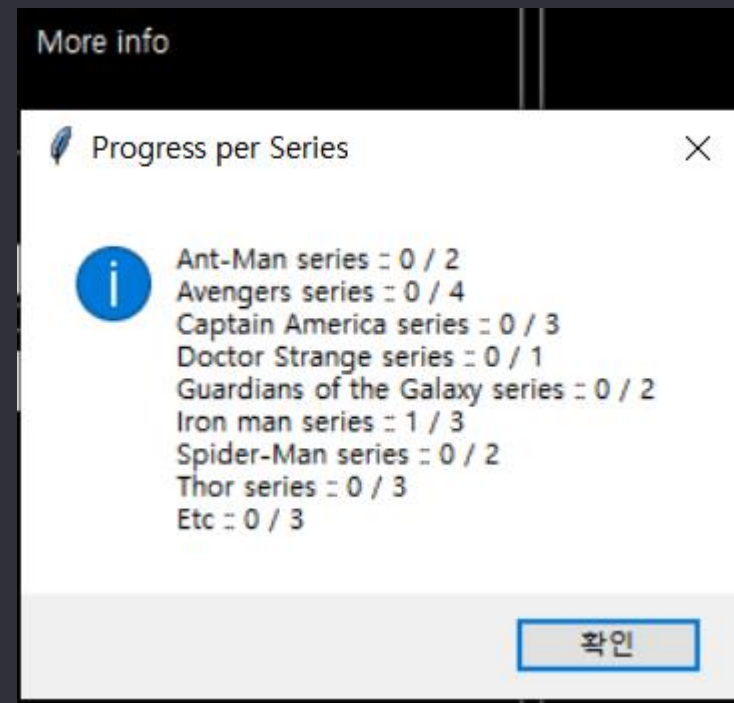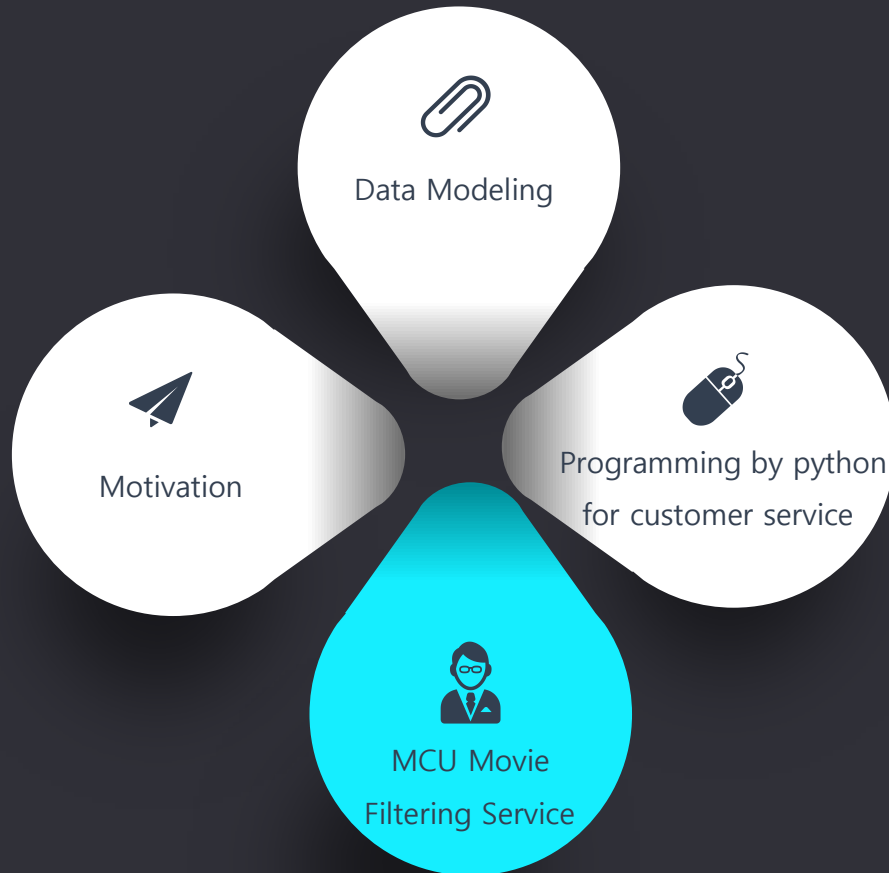
MCU for you

Login

MCU for you!

CustomerID [   ]   Log-In

CustomerPW [   ]

Welcome Dongin

You've watched 2 movies   Detail Status

Need to watch 21 more   About MCU

Choices

Iron Man 2

Your Score [   ]   Get

Seen movie

Title	World_View_Order	Series
Iron man	3	Iron man
Iron Man 3	8	Iron man

Not seen yet

Title	World_Vie	Series	Director	RunningTi	Rotten_To	Release_date
Iron Man 2	4	Iron man	Jon Favreau	125	71	2010-04-29
Marvel`s The Ave	7	Avengers	Joss Whedon	142	91	2012-04-26
Avengers: Age of	13	Avengers	Joss Whedon	141	83	2015-04-23
Captain America:	15	Captain America	Russo brothers	136	89	2016-04-27
Spider-Man: Hon	16	Spider-Man	Jon Watts	133	87	2017-07-05
Avengers: Infinity	21	Avengers	Russo brothers	149	91	2018-04-25
Avengers: End Ga	22	Avengers	Russo brothers	181	91	2019-04-24

Reviews

Movie Quotes

Heroname	Famous_Line

Filmography

AnotherMovie	CharacterName	MovieYear	Genre

Benedict_Cumberbatch

산업정보관리론

Final PRESENTATION