

# INF10002 Database Analysis and Design

## Task 3 – Pass submission

Student Number: 103488117

Student Name: Luong Trac Duc Anh

### Step 1

```
SELECT 103488117 AS STUID, MOVIEENO, TITLE, RELYEAR  
FROM MOVIE8117  
ORDER BY TITLE DESC;
```

STUID	MOVIEENO	TITLE	RELYEAR
103488117	300000	the oracle of swinburne	2017
103488117	329833	Zoolander 2	2016
103488117	9398	Zoolander	2001
103488117	338967	Zombieland: Double Tap	2019
103488117	19908	Zombieland	2009
103488117	1819	You, Me and Dupree	2006
103488117	127585	X-Men: Days of Future Past	2014
103488117	246655	X-Men: Apocalypse	2016
103488117	36657	X-Men	2000
103488117	72190	World War Z	2013
103488117	297762	Wonder Woman	2017
103488117	44147	Wild Target	2010
103488117	11199	Wild Hogs	2007
103488117	228970	Wild	2014
103488117	356305	Why Him?	2016

## Step 2

```
SELECT 103488117 AS STUID, TITLE, RELYEAR, RATINGCODE  
FROM MOVIE8117  
WHERE RATINGCODE = 'PG'  
ORDER BY RELYEAR, TITLE ASC;
```

STUID	TITLE	RELYEAR	RATINGCODE
103488117	Roman Holiday	1953	PG
103488117	Ocean's Eleven	1960	PG
103488117	Breakfast at Tiffany's	1961	PG
103488117	Robin and the 7 Hoods	1964	PG
103488117	Butch Cassidy and the Sundance Kid	1969	PG
103488117	The Sting	1973	PG
103488117	Murder by Death	1976	PG
103488117	Rocky	1976	PG
103488117	Blues Borthers	1980	PG
103488117	Ghostbusters	1984	PG

### Step 3

```
SELECT 103488117 AS STUID, MOVIE8117, TITLE, RELYEAR
FROM MOVIE8117
WHERE TITLE = 'Planet of the Apes' OR TITLE = 'Hamlet'
ORDER BY TITLE, RELYEAR ASC;
```

STUID	MOVIE8117	TITLE	RELYEAR
103488117	10264	Hamlet	1990
103488117	10549	Hamlet	1996
103488117	10688	Hamlet	2000
103488117	871	Planet of the Apes	1968
103488117	869	Planet of the Apes	2001

## Step 4

```
SELECT 103488117 AS STUID, MOVIEENO, TITLE, RELYEAR, RUNTIME, RATINGCODE,
COLOURCODE, TMDB_SCORE, TMDB_VOTES, IMDB_ID
FROM MOVIE8117
WHERE TMDB_SCORE >= 7.6 AND RELYEAR >= 2011
ORDER BY MOVIEENO ASC;
```

STUID	MOVIEENO	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOURCODE	TMDB_SCORE	TMDB_VOTES	IMDB_ID
103488117	12445	Harry Potter and the Deathly Hallows: Part 2	2011	130	M	C	8.1	10629	tt1201607
103488117	24428	The Avengers	2012	143	PG	C	7.6	17905	tt0848228
103488117	49026	The Dark Knight Rises	2012	165	M	C	7.7	13114	tt1345836
103488117	68718	Django Unchained	2012	165	MA	C	8	14674	tt1853728
103488117	100402	Captain America: The Winter Soldier	2014	136	M	C	7.6	9842	tt1843866
103488117	118340	Guardians of the Galaxy	2014	121	PG	C	8	4318	tt2015381
103488117	120467	The Grand Budapest Hotel	2014	99	M	C	8	7478	tt2278388
103488117	152532	Dallas Buyers Club	2013	117	MA	C	7.9	4608	tt0790636
103488117	157336	Interstellar	2014	169	M	C	8.2	17236	tt0816692
103488117	205596	The Imitation Game	2014	113	M	C	8.1	9650	tt2084970
103488117	207703	Kingsman: The Secret Service	2015	129	PG	C	7.6	9670	tt2802144
103488117	210577	Gone Girl	2014	149	MA	C	7.9	9531	tt2267998
103488117	242582	Nightcrawler	2014	118	MA	C	7.7	5421	tt2872718
103488117	283995	Guardians of the Galaxy Vol. 2	2017	137	PG	C	7.7	11139	tt3896198
103488117	286217	The Martian	2015	141	M	C	7.6	3717	tt3659388
103488117	293660	Deadpool	2016	108	MA	C	8	10430	tt1431045
103488117	299534	Avengers: Endgame	2019	181	PG	C	8.5	3354	tt4154796
103488117	299536	Avengers: Infinity War	2018	149	M	C	8.3	11245	tt4154756
103488117	301528	Toy Story 4	2019	100	G	C	8	6476	tt1979376
103488117	313369	La La Land	2016	129	PG	C	7.9	9242	tt3783958
103488117	330457	Frozen II	2019	103	PG	C	8	2478	tt4520988
103488117	375262	The Favourite	2018	119	MA	C	7.7	665	tt5083738
103488117	389015	I, Tonya	2017	121	M	C	7.6	2478	tt5580036
103488117	398978	The Irishman	2019	209	MA	C	8.6	452	tt1302006
103488117	466272	Once Upon a Time... in Hollywood	2019	161	MA	C	8	1371	tt7131622
103488117	475557	Joker	2019	122	MA	C	8.8	1245	tt7286456
103488117	489925	Eighth Grade	2018	94	M	C	7.6	326	tt7014006

## Step 5

```
SELECT 103488117 AS STUID, MOVIEENO, TITLE, RELYEAR, RUNTIME, RATINGCODE,  
COLOURCODE, TMDB_SCORE, TMDB_VOTES, IMDB_ID  
FROM MOVIE8117  
WHERE MOVIEENO IN (620, 881, 72105, 1633)  
ORDER BY MOVIEENO ASC;
```

STUID	MOVIEENO	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOURCODE	TMDB_SCORE	TMDB_VOTES	IMDB_ID
103488117	620	Ghostbusters	1984	107	PG	C	7.4	4152	tt0087332
103488117	881	A Few Good Men	1992	138	M	C	7.3	1483	tt0104257
103488117	1633	Fried Green Tomatoes	1991	130	PG	C	7.8	572	tt0101921
103488117	72105	Ted	2012	106	MA	C	6.3	7231	tt1637725

## Step 6

```
SELECT 103488117 AS STUID, MOVIEID, TITLE  
FROM MOVIEID  
WHERE UPPER(TITLE) LIKE '%AME%'  
ORDER BY TITLE DESC;
```

STUID	MOVIEID	TITLE
103488117	205596	The Imitation Game
103488117	131634	The Hunger Games: Mockingjay - Part 2
103488117	131631	The Hunger Games: Mockingjay - Part 1
103488117	101299	The Hunger Games: Catching Fire
103488117	70160	The Hunger Games
103488117	58574	Sherlock Holmes: A Game of Shadows
103488117	445571	Game Night
103488117	100402	Captain America: The Winter Soldier
103488117	1771	Captain America: The First Avenger
103488117	271110	Captain America: Civil War
103488117	299534	Avengers: Endgame
103488117	190859	American Sniper
103488117	168672	American Hustle

## Step 7

```
SELECT 103488117 AS STUID, MOVIEENO, TITLE, RELYEAR, RUNTIME, RATINGCODE,
COLOURCODE, TMDB_SCORE, TMDB_VOTES, IMDB_ID
FROM MOVIE8117
WHERE ((RATINGCODE = 'PG' AND TMDB_SCORE >= 7.8) OR (RATINGCODE = 'M' AND
TMDB_SCORE <= 5.5)) AND RUNTIME > 120
ORDER BY MOVIEENO ASC;
```

STUID	MOVIEENO	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOURCODE	TMDB_SCORE	TMDB_VOTES	IMDB_ID
103488117	13	Forrest Gump	1994	142	PG	C	8.4	13591	tt0109830
103488117	414	Batman Forever	1995	121	M	C	5.3	2551	tt0112462
103488117	415	Batman & Robin	1997	125	M	C	4.2	2465	tt0118688
103488117	525	Blues Borthers	1980	143	PG	C	7.9	4530	tt0080455
103488117	671	Harry Potter and the Philosopher's Stone	2001	152	PG	C	7.8	12777	tt0241527
103488117	673	Harry Potter and the Prisoner of Azkaban	2004	141	PG	C	7.9	10610	tt0304141
103488117	1633	Fried Green Tomatoes	1991	130	PG	C	7.8	572	tt0101921
103488117	9277	The Sting	1973	129	PG	C	8.1	1043	tt0070735
103488117	118340	Guardians of the Galaxy	2014	121	PG	C	8	4318	tt2015381
103488117	299534	Avengers: Endgame	2019	181	PG	C	8.5	3354	tt4154796
103488117	313369	La La Land	2016	129	PG	C	7.9	9242	tt3783958

## Step 8

```
SELECT 103488117 AS STUID, MOVIE.TITLE, MOVIE.RELYEAR, MOVIE.RUNTIME,  
MOVIE.RATINGCODE, RATING.LONGDESC  
FROM MOVIE  
INNER JOIN RATING  
ON MOVIE.RATINGCODE = RATING.RATINGCODE  
ORDER BY MOVIE.MOVIEENO ASC;
```

STUID	TITLE	RELYEAR	RUNTIME	RATINGCODE	LONGDESC
103488117	Pirates of the Caribbean: The Curse of the Black Pearl	2003	143	M	Recommended for mature audiences 15 years and over
103488117	Kill Bill: Vol. 1	2003	111	MA	Persons under 15 years must be accompanied by a mature adult
103488117	Million Dollar Baby	2004	132	M	Recommended for mature audiences 15 years and over
103488117	Memento	2000	113	MA	Persons under 15 years must be accompanied by a mature adult
103488117	Blade Runner	1982	117	MA	Persons under 15 years must be accompanied by a mature adult



## Step 9

```

SELECT 103488117 AS STUID, MOVIE.TITLE, MOVIE.RELYEAR, MOVIE.RUNTIME,
MOVIE.RATINGCODE, RATING.SHORTDESC
FROM MOVIE
INNER JOIN RATING
ON MOVIE.RATINGCODE = RATING.RATINGCODE
WHERE RELYEAR >= 2015 AND RUNTIME >= 95
ORDER BY MOVIE.MOVIEENO ASC;

```

STUID	TITLE	RELYEAR	RUNTIME	RATINGCODE	SHORTDESC
103488117	Ghostbusters	2016	116	PG	PARENTAL GUIDANCE
103488117	Finding Dory	2016	103	G	GENERAL
103488117	The Hunger Games: Mockingjay - Part 2	2015	136	M	MATURE (15+)
103488117	The Man from U.N.C.L.E.	2015	116	M	MATURE (15+)
103488117	Spectre	2015	148	M	MATURE (15+)
103488117	Batman v Superman: Dawn of Justice	2016	151	M	MATURE (15+)
103488117	Alice Through the Looking Glass	2016	118	PG	PARENTAL GUIDANCE
103488117	The Intern	2015	121	M	MATURE (15+)
103488117	Captain America: Civil War	2016	146	M	MATURE (15+)
103488117	Trainwreck	2015	125	M	MATURE (15+)
103488117	The Martian	2015	141	M	MATURE (15+)
103488117	The Nice Guys	2016	116	M	MATURE (15+)
103488117	Deadpool	2016	108	MA	MATURE ACCOMPANIED (15+)
103488117	Mike & Dave Need Wedding Dates	2016	98	M	MATURE (15+)
103488117	Jason Bourne	2016	123	M	MATURE (15+)
103488117	Zoolander 2	2016	100	M	MATURE (15+)
103488117	Special Correspondents	2016	100	M	MATURE (15+)