

Netflix&&Me



עבודת גמר

בתכנון ותכנות מערכות

במסלול שירותי רשת אינטרנט

שנת הלימודים תשפ"א

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מבוא

חברת Me&&Netflix מציגה אתר המאפשר למשתמשים ליצור חברויות עם משתמשים אחרים באתר, לסמן מהם הסרטים והסדרות המועדפים אליהם ולראות מהם הסרטים והסדרות שחבריהם אוהבים ואף לראות מה משותף להם וקיימת למשתמשים אופציה להוסיף סרט או סדרה למאגר על מנת לאפשר מגוון גדול של אפשרויות לכלל המשתמשים.

האתר יהיה מחולק לשני חלקים.

חלק אשר מנהל את המשתמשים והחברויות וחלק אשר מנהל את הסרטים והסדרות.

בנוסף, האתר יאפשר למנהל האתר להסיר משתמשים, סדרות, וסרטים מהמערכת. מנהל האתר הוא משתמש אשר רשום במערכת מרגע תחילת השימוש בתוצר ושם המשתמש והסיסמא שלו יינתנו לו מראש.

מעבר לכך, האתר משתמש בשירות רשת שמעביר אליו לינקים לטריילרים של הסרטים והסדרות ולינקים לסרטים והסדרות עצמם כך שהאתר מאפשר צפייה בטרילרים מתוך האתר.

האתר משתמש בשירות חיצוני של Twilio על מנת לאפשר שליחת הודעות באמצעות ווצאפ. הדבר מתאפשר באמצעות כלי ניסיוני שעל מנת להשתמש בו המשתמש מחויב לעקוב אחר ההוראות באתר.

מטרת האתר

המטרה היא לאפשר למשתמשים לראות מהם המועדפים של חבריהם ואף לראות מהן ההתאמות בין המועדפים של שניהם על מנת לאפשר להם לגלות סרטים וסדרות חדשים על סמך מה שחבריהם אהבו.

קהל היעד

האתר מיועד לכל מי שרוצה לגלות סרטים וסדרות חדשים על סמך מה שחבריהם אהבו ואף לגלות מה יש להם במשותף. בנוסף המשתמש צריך לדעת שרשימת המועדפים שלו היא לא פרטית.

תיאור האתר

דרישות

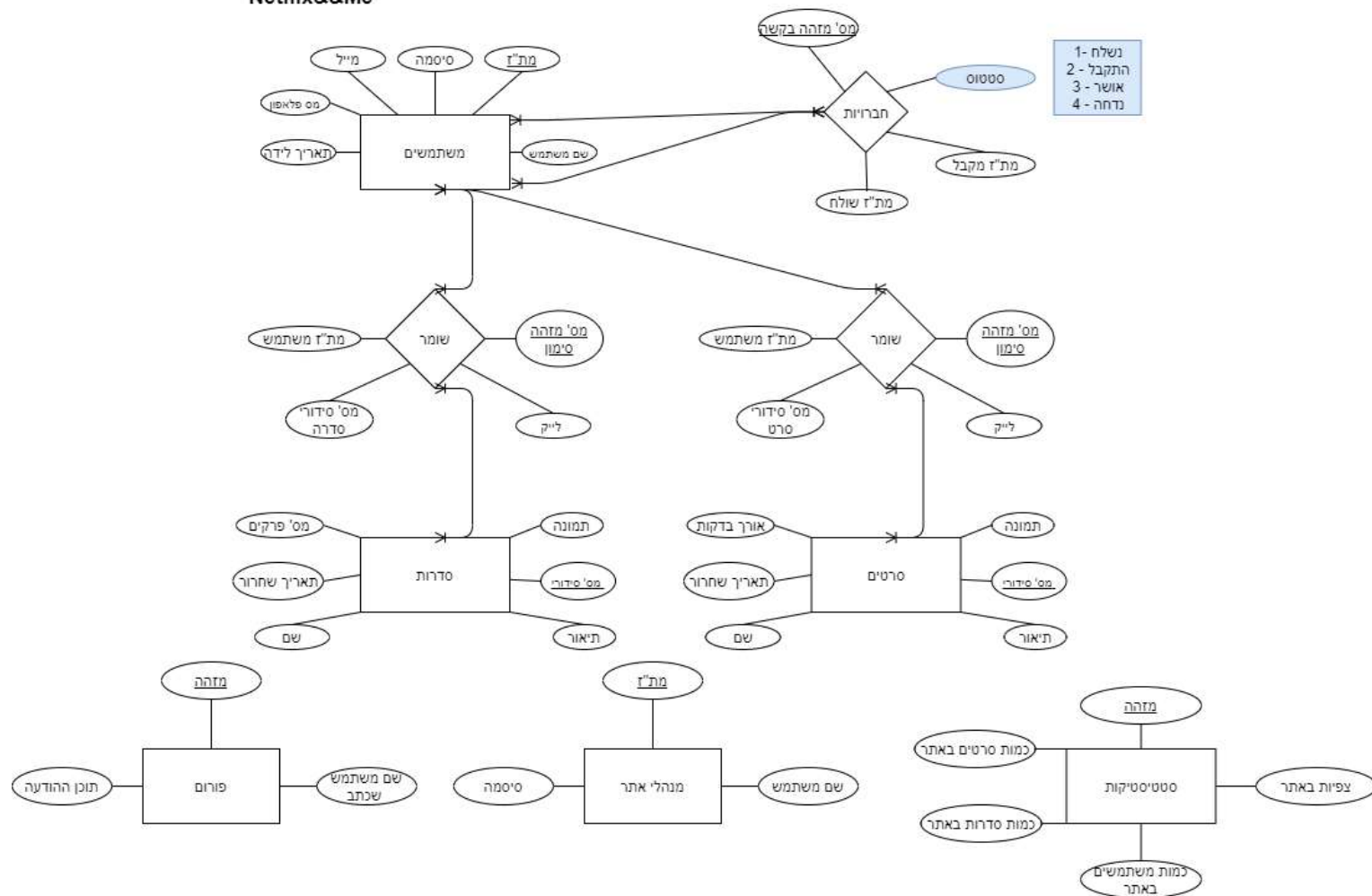
- ✓ התחברות / הרשמה לאתר
- ✓ יצירת / ביטול חברויות
- ✓ הוספת סרטים / סדרות למאגר
- ✓ צפייה ברשימת הסרטים / סדרות שסומנו בלייק
- ✓ סימון סדרות / סרטים בלייק
- ✓ הורדת לייק מסדרות / מסרטים
- ✓ מחיקת משתמשים על ידי מנהל האתר
- ✓ עדכון פרטים אישיים
- ✓ צפייה ברשימת הסרטים / סדרות שסומנו בלייק על ידי חברים
- ✓ הצלבת הסרטים והסדרות שסומנו בלייק על ידי חברים
- ✓ איפוס סיסמת משתמש באמצעות מייל / הודעת ווצאפ
- ✓ הוספה / מחיקה של הודעה בפורום
- ✓ הוספה / הסרה של משתמש / סרט / סדרה לסטטיסטיקות האתר
- ✓ הוספה של צפייה לסטטיסטיקות האתר
- ✓ הסרת סרטים / סדרות מהמאגר
- ✓ צפייה בטריילרים

תהליכים

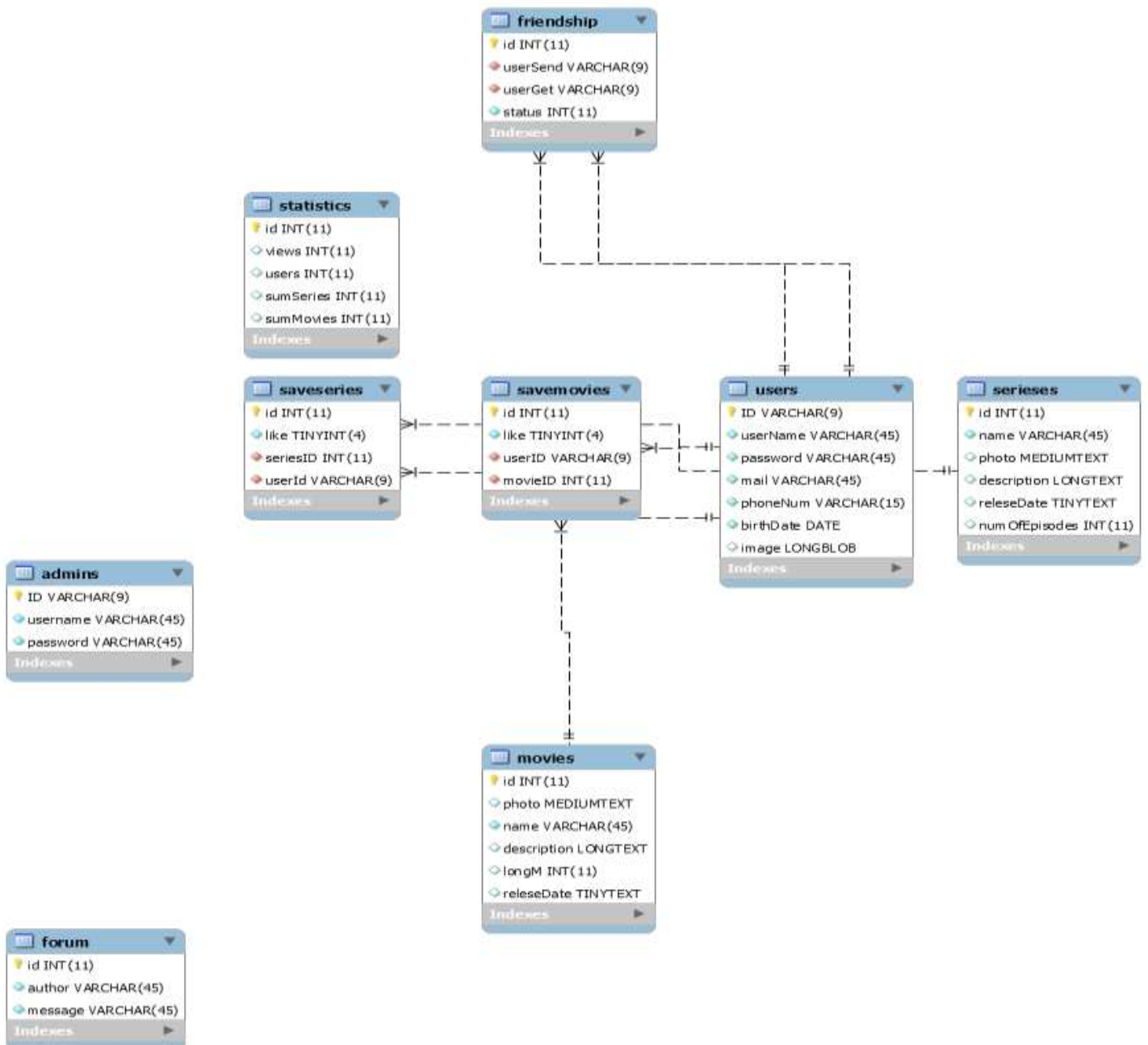
נתונים

- | | |
|---|------------------------------|
| ✓ הרשמה / כניסה | ✓ שם משתמש |
| ✓ הוספת צפייה / סרט / סדרה / משתמש לסטטיסטיקות האתר | ✓ סיסמה |
| ✓ הסרת סרט / סדרה / משתמש מסטטיסטיקות האתר | ✓ תעודת זהות |
| ✓ צפייה בכל הסרטים והסדרות הקיימים במאגר | ✓ מייל |
| ✓ סימון סדרות וסרטים בלייק | ✓ תאריך לידה |
| ✓ הוספת סרט / סדרה למאגר | ✓ סרטים וסדרות שסומנים בלייק |
| ✓ הוספת חברים | ✓ חברויות |
| ✓ צפייה ברשימת החברים | ✓ תמונת פרופיל |
| ✓ מחיקת חברים | ✓ מספר פלאפון |
| ✓ צפייה במועדפים של חברים | ✓ שם סרט / סדרה |
| ✓ צפייה בהצלבת המועדפים | ✓ תיאור סרט / סדרה |
| ✓ של המשתמש הנוכחי וחבר לבחירתו | ✓ תמונת סרט / סדרה |
| ✓ עדכון נתונים אישיים | ✓ תאריך שחרור סרט / סדרה |
| ✓ כניסת מנהל האתר | ✓ אורך סרט |
| ✓ מחיקת משתמשים על ידי מנהל האתר | ✓ מספר פרקים של סדרה |
| ✓ הסרת סרט / סדרה מהמאגר על ידי מנהל האתר | ✓ מספר סדרות |
| ✓ הוספת / מחיקת הודעה בפורום | ✓ מספר סרטים |
| ✓ העלאת / הסרת תמונת פרופיל | ✓ מספר משתמשים |
| ✓ התנתקות מהאתר | ✓ מספר צופים באתר |

מבנה בסיס הנתונים



DSD



תמונות הטבלאות מתוך מסד הנתונים

1 • `SELECT * FROM `netflix&me`.admins;`

ID	username	password
213718380	yovel	yovel2003
NULL	NULL	NULL

1 • `SELECT * FROM `netflix&me`.users;`

ID	userName	password	mail	phoneNum	birthDate
057230401	david_a	david1962	david@gmail.com	0506285009	1962-01-18
057230405	tali_	tali123	tali@gmail.com	0509946119	1964-04-01
213718381	yoli	yoli123	y.almazno23@gmail.com	0508582003	2003-10-09
222111333	nir	nir2003	nir.email.com	0587881681	2003-08-28
NULL	NULL	NULL	NULL	NULL	NULL

1 • `SELECT * FROM `netflix&me`.friendship;`

id	userSend	userGet	status
10	057230401	057230405	4
15	222111333	213718381	3
16	213718381	057230401	3
17	213718381	057230405	3
NULL	NULL	NULL	NULL

1 • `SELECT * FROM `netflix&me`.statistics;`

1 • `SELECT * FROM `netflix&me`.savemovies;`

Result Grid | Filter Rows: | Edit:

	id	views	users	sumSeries	sumMovies
▶	1	377	7	6	2
*	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit:

	id	like	userID	movieID
▶	3	1	057230405	2
	14	1	213718381	2
*	NULL	NULL	NULL	NULL

1 • `SELECT * FROM `netflix&me`.forum;`

1 • `SELECT * FROM `netflix&me`.saveseries;`

Result Grid | Filter Rows: | Edit:

	id	author	message
▶	10	Admin	Welcome everyone!
	26	yoli	klkk
	27	yoli	llll
	28	yoli	aaaaaaa
	32	Admin	moon
	37	Admin	dddd
	38	david	Hello
	39	david	Hi
*	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit:

	id	like	seriesID	userId
▶	2	1	2	057230401
	3	1	2	057230405
	6	1	1	057230401
	11	1	1	213718381
*	NULL	NULL	NULL	NULL

1 • `SELECT * FROM `netflix&me`.serieses;`

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	id	name	photo	description	releaseDate	numOfEpisode
▶	1	How I Met Your Mother	https://upload.wikimedia.org/wikipedia/he/thum...	Sentimentel, Goofy, Romantic	19/09/2005	208
	2	Friends	https://upload.wikimedia.org/wikipedia/he/e/e9...	Quirky, Witty	06/05/1994	236
	3	Lucifer	https://filmdaily.co/wp-content/uploads/2020/0...	Irreverent, Exditing	25/01/2016	75
	5	Modern Family	https://deadline.com/wp-content/uploads/2017...	comedy	23/09/2009	250
	6	New Girl	https://upload.wikimedia.org/wikipedia/he/thum...	Comady	20/09/2011	146

1 • `SELECT * FROM `netflix&me`.movies;`

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	id	photo	name	description	longM	releseDate
▶	2	https://upload.wikimedia.org/wikipedia/en/thum...	Kissing Booth	Quirky, Romantic	110	11/05/2018
	3	https://upload.wikimedia.org/wikipedia/he/b/b9...	Tall Girl	Feel-Good, Heartfelt, Inspiring	102	13/09/2019
*	NULL	NULL	NULL	NULL	NULL	NULL

תהליכים ושאלות

התחברות והרשמה – משתמש רגיל ומנהל

הרשמה:

```
INSERT INTO users VALUES ("123456789", "username", "password",  
"mail", "0501110101", "0101-01-01");
```

5 21:35:29 INSERT INTO users VALUES ("123456789", "username", "password", "mail", "0501110101", "0101-01-01")... 1 row(s) affected

התחברות (בדיקת סיסמא לפי שם משתמש):

```
SELECT password FROM users WHERE userName='yovel_alm';
```

The screenshot shows a query editor with the following SQL statement: `SELECT password FROM users WHERE userName='yovel_alm';`. Below the editor, a toolbar includes options for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is active, displaying a table with two columns: 'password' and 'yovel2003'.

password
yovel2003

כניסת מנהל:

```
SELECT password, ID  
FROM admins  
WHERE (username = 'yovel');
```

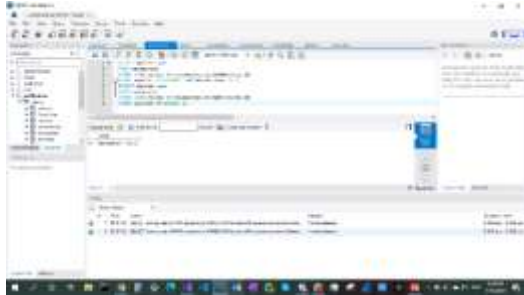
The screenshot shows a query editor with the following SQL statement: `SELECT password, ID FROM admins WHERE (username = 'yovel');`. Below the editor, a toolbar includes options for 'Result Grid', 'Filter Rows', and 'Edit'. The 'Result Grid' is active, displaying a table with two columns: 'password' and 'ID'. The first row contains the values 'yovel2003' and '213718380'. The second row contains 'NULL' and 'NULL'.

password	ID
yovel2003	213718380
NULL	NULL

חברויות

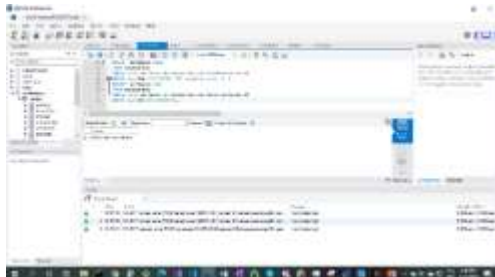
התאמת סרטים לפי חברים:

```
SELECT movies.name
FROM savemovies
INNER JOIN movies ON savemovies.movieID=movies.id
WHERE userID='213718380' AND movies.name in (
SELECT movies.name
FROM savemovies
INNER JOIN movies ON savemovies.movieID=movies.id
WHERE userID='057230401');
```



התאמת סדרות לפי חברים:

```
SELECT serieses.name
FROM saveseries
INNER JOIN serieses ON saveseries.seriesID=serieses.id
WHERE userID='213718380' AND serieses.name in (
SELECT serieses.name
FROM saveseries
INNER JOIN serieses ON saveseries.seriesID=serieses.id
WHERE userID='057230401');
```



בקשת חברות:

```
INSERT INTO friendship (userSend, userGet, status) VALUES
('213718380', '057230405', '1');
```

12 21:40:55 INSERT INTO friendship (userSend, userGet, status) VALUES ('213718380', '057230405', '1') 1 row(s) affected

אישור חברות:

```
UPDATE friendship SET status = '3' WHERE (userSend='213718380' AND
userGet='057230405');
```

13 21:42:27 UPDATE friendship SET status = '3' WHERE (userSend='213718380' AND userGet='057230405') 1 row(s) affected Rows matched: 2 Changed: 1 Warnings: 0

דחיית חברות:

```
UPDATE friendship SET status = '4' WHERE (userSend='213718380' AND
userGet='057230405');
```

14 21:43:03 UPDATE friendship SET status = '4' WHERE (userSend='213718380' AND userGet='057230405') 2 row(s) affected Rows matched: 2 Changed: 2 Warnings: 0

ביטול חברות:

```
DELETE FROM friendship WHERE (userSend='213718380' AND userGet='057230405');
```

✓ 17 21:43:51 DELETE FROM friendship WHERE (userSend='213718380' AND userGet='057230405') 2 row(s) affected

צפייה בבקשות החברות

```
SELECT users.userName FROM `netflix&me`.friendship  
inner join users on users.ID = friendship.userSend  
where friendship.userGet='{ ID}' and friendship.status=1;
```



צפייה ברשימת החברים

```
SELECT users.userName FROM `netflix&me`.friendship  
inner join users on (users.ID = friendship.userGet or users.ID =  
friendship.userSend)  
where (friendship.userGet='213718381' or  
friendship.userSend='213718381') and (friendship.status=3) and  
users.userName!='yoli';
```



קבלת כל המשתמשים שהוצעה להם חברות וכל החברים

```
SELECT users.userName FROM `netflix&me`.friendship  
inner join users on (users.ID = friendship.userGet or users.ID =  
friendship.userSend)  
where (friendship.userGet='213718381' or  
friendship.userSend='213718381') and (friendship.status=3 or  
friendship.status=1) and users.userName!='yoli';
```



סדרות וסרטים + לייקים ומועדפים

סימון סדרה בלייק:

```
INSERT INTO saveseries (`like`, `seriesID`, `userId`) VALUES ('1', '1', '057230401');
```

6 21:36:48 INSERT INTO saveseries (`like`, `seriesID`, `userId`) VALUES ('1', '1', '057230401') 1 row(s) affected

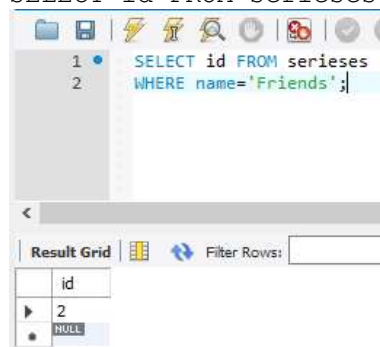
סימון סרט בלייק:

```
INSERT INTO savemovies (`like`, `movieID`, `userId`) VALUES ('1', '1', '057230401');
```

7 21:37:29 INSERT INTO savemovies (`like`, `movieID`, `userId`) VALUES ('1', '1', '057230401') 1 row(s) affected

קבלת מזהה סדרה לפי שם:

```
SELECT id FROM serieses WHERE name='Friends';
```



קבלת מזהה סרט לפי שם:

```
SELECT id FROM movies  
WHERE name='Tall Girl';
```



הורדת סימון לייק מסדרה:

```
DELETE FROM saveseries WHERE userID='213718380' AND seriesID=2;
```

8 21:38:07 DELETE FROM saveseries WHERE userID='213718380' AND seriesID=2 1 row(s) affected

הורדת סימון לייק מסרט:

```
DELETE FROM savemovies WHERE userID='213718380' AND movieID=2;
```

9 21:38:54 DELETE FROM savemovies WHERE userID='213718380' AND movieID=2

הוספת סדרה לרשימה:

```
INSERT INTO `netflix&me`.`serieses` (`name`, `description`,  
`releaseDate`, `numOfEpisodes`) VALUES ('new', 'description', '0101-  
01-01', '100');
```

10 21:39:43 INSERT INTO `netflix&me`.`serieses` (`name`, `description`, `releaseDate`, `numOfEpisodes`) V... 1 row(s) affected

הוספת סרט לרשימה:

```
INSERT INTO movies (`name`, `description`, `long`, `releaseDate`)  
VALUES ('New', 'description', '120', '0101-01-01');
```

11 21:40:15 INSERT INTO movies (`name`, `description`, `long`, `releaseDate`) VALUES ('New', `descriptio... 1 row(s) affected

צפייה ברשימת הסדרות שסומנו בלייק לפי משתמש:

```
SELECT serieses.name, serieses.numOfEpisodes, serieses.photo,  
serieses.releaseDate, serieses.description  
FROM saveseries  
INNER JOIN serieses ON saveseries.seriesID=serieses.id  
WHERE userID='213718380';
```

```
1 SELECT serieses.name
2 FROM saveseries
3 INNER JOIN serieses ON saveseries.seriesID=serieses.id
4 WHERE userID='213718380';
```

name
How I Met Your Mother
Friends

צפייה ברשימת הסרטים שסומנו בלייק לפי משתמש:

```
SELECT movies.name, movies.long, serieses.photo, serieses.releaseDate,  
serieses.description  
FROM savemovies  
INNER JOIN movies ON savemovies.movieID=movies.id  
WHERE userID='213718380';
```

```
1 SELECT movies.name
2 FROM savemovies
3 INNER JOIN movies ON savemovies.movieID=movies.id
4 WHERE userID='213718380';
5
```

name
Kissing Booth - Part 2
Kissing Booth

קבלת סרט על פי שם

```
SELECT      id, photo, description, longM, releseDate
FROM        movies
WHERE       (name = 'Tall Girl');
```

1	•	SELECT	id, photo, description, longM, releseDate
2		FROM	movies
3		WHERE	(name = 'Tall Girl');

id	photo	description	longM	releseDate
3	https://upload.wikimedia.org/wikipedia/he/b/b9...	Feel-Good, Heartfelt, Inspiring	102	13/09/2019
NULL	NULL	NULL	NULL	NULL

קבלת סדרה על פי שם

```
SELECT      id, photo, description, numOfEpisodes, releseDate
FROM        serieses
WHERE       (name = 'Friends');
```

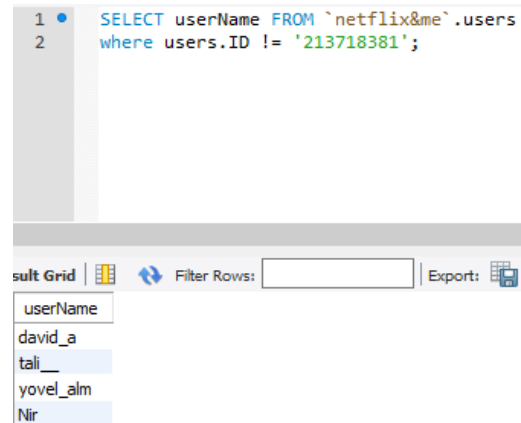
1	•	SELECT	id, photo, description, numOfEpisodes, releseDate
2		FROM	serieses
3		WHERE	(name = 'Friends');

id	photo	description	numOfEpisodes	releseDate
3	https://upload.wikimedia.org/wikipedia/he/b/b9...	Quality, witty	226	04/11/2014
NULL	NULL	NULL	NULL	NULL

ניהול משתמשים

הצגת כל המשתמשים במערכת חוץ מהמשתמש הנוכחי

```
SELECT userName FROM `netflix&me`.users  
where users.ID != '213718381';
```

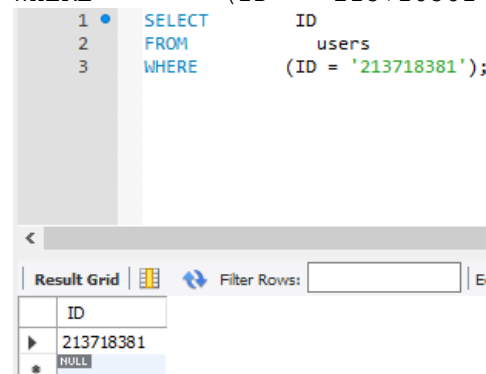


```
1 • SELECT userName FROM `netflix&me`.users  
2 where users.ID != '213718381';
```

userName
david_a
tali
yovel_alm
Nir

בדיקה האם המשתמש קיים על פי מת"ז

```
SELECT ID  
FROM users  
WHERE (ID = '213718381');
```

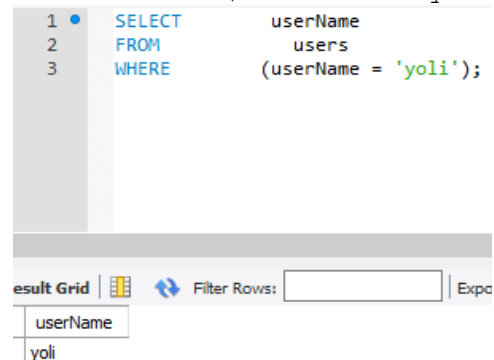


```
1 • SELECT ID  
2 FROM users  
3 WHERE (ID = '213718381');
```

ID
213718381
NULL

בדיקה האם המשתמש קיים על פי שם משתמש

```
SELECT userName  
FROM users  
WHERE (userName = 'yoli');
```



```
1 • SELECT userName  
2 FROM users  
3 WHERE (userName = 'yoli');
```

userName
yoli

עדכון סיסמה

```
update users
set password='yolialm'
where ID = '213718381';
```

עדכון שם משתמש

```
update users set userName='yolialm' where ID = '213718381';
```

עדכון מייל

```
update users set mail='yoli@gmail.com' where ID = '213718381';
```

עדכון מספר פלאפון

```
update users set phoneNum='0508582003' where ID = '213718381';
```

עדכון תמונת פרופיל

```
update users set image=@image where ID=@ID;
```

קבלת מייל לפי מת"ז

```
SELECT      mail
FROM        users
WHERE       (ID = '213718381');
```

קבלת תמונת פרופיל לפי מת"ז

```
SELECT      image
FROM        users
WHERE       (ID = '213718381');
```

קבלת מספר פלאפון לפי מת"ז

```
SELECT      phoneNum
FROM        users
WHERE       (ID = '213718381');
```

קבלת סיסמה לפי מת"ז

```
SELECT      password
FROM        users
WHERE       (ID = '213718381');
```

אזור מנהל

מחיקת משתמש

```
delete from friendship where (userGet='213718381' OR  
userSend='213718381');  
delete from saveseries where (userId = '213718381');  
delete from savemovies where (userId = '213718381');  
delete from users where (userName = 'yoli' AND password = 'yolialm'  
AND ID = '213718381');
```

מחיקת סדרה

```
delete from saveseries where (seriesID = '1');  
delete from serieses where (id = '1');
```

מחיקת סרט

```
delete from savemovies where (movieID = '1');  
delete from movies where (id = '1');
```

פורום

פרסום הודעה חדשה בפורום

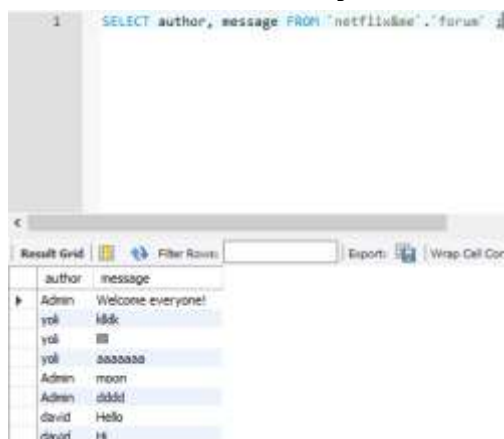
```
INSERT INTO `netflix&me`.`forum` (author, message) VALUES ('yoli',  
'Hello');
```

מחיקת הודעה מהפורום

```
delete from forum where (author='yoli' AND message='Hello');
```

קבלת כל ההודעות בפורום

```
SELECT author, message FROM `netflix&me`.`forum` ;
```



	author	message
1	Admin	Welcome everyone!
	yoli	lklk
	yoli	ll
	yoli	ssssssss
	Admin	moon
	Admin	ddddd
	David	Hello
	David	Hi

סטטיסטיקות

קבלת מספר הצפיות באתר

```
SELECT views FROM `netflix&me`.statistics where id=1;
```

הוספת צפייה

```
update statistics Set views = views + 1 where id=1;
```

קבלת כמות המשתמשים באתר

```
SELECT users FROM `netflix&me`.statistics where id=1;
```

הוספת משמש לכמות המשתמשים באתר

```
update statistics Set users = users + 1 where id=1;
```

הסרת משתמש מכמות המשתמשים באתר

```
update statistics Set users = users - 1 where id=1;
```

קבלת כמות הסדרות באתר

```
SELECT sumSeries FROM `netflix&me`.statistics where id=1;
```

הוספת סדרה לכמות הסדרות באתר

```
update statistics Set sumSeries = sumSeries + 1 where id=1;
```

הסרת סדרה מכמות הסדרות באתר

```
update statistics Set sumSeries = sumSeries - 1 where id=1;
```

קבלת כמות הסרטים באתר

```
SELECT sumMovies FROM `netflix&me`.statistics where id=1;
```

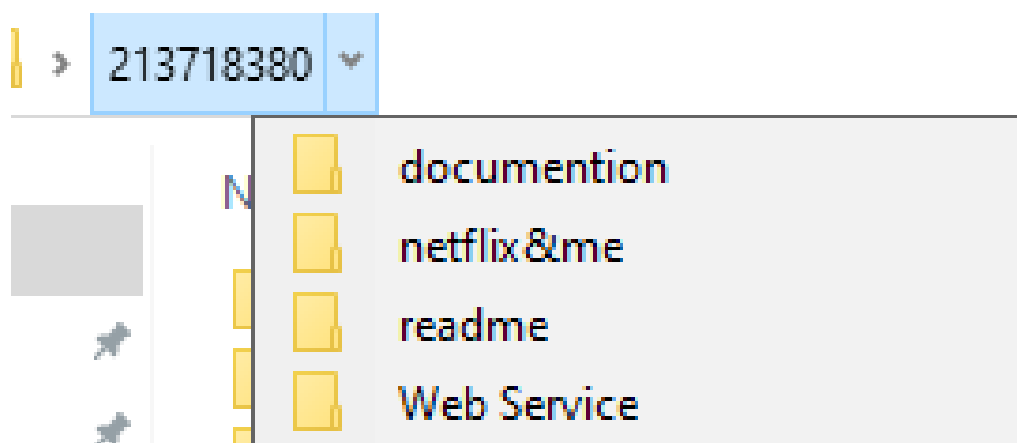
הוספת סרט לכמות הסרטים באתר

```
update statistics Set sumMovies = sumMovies + 1 where id=1;
```

הסרת סרט מכמות הסרטים באתר

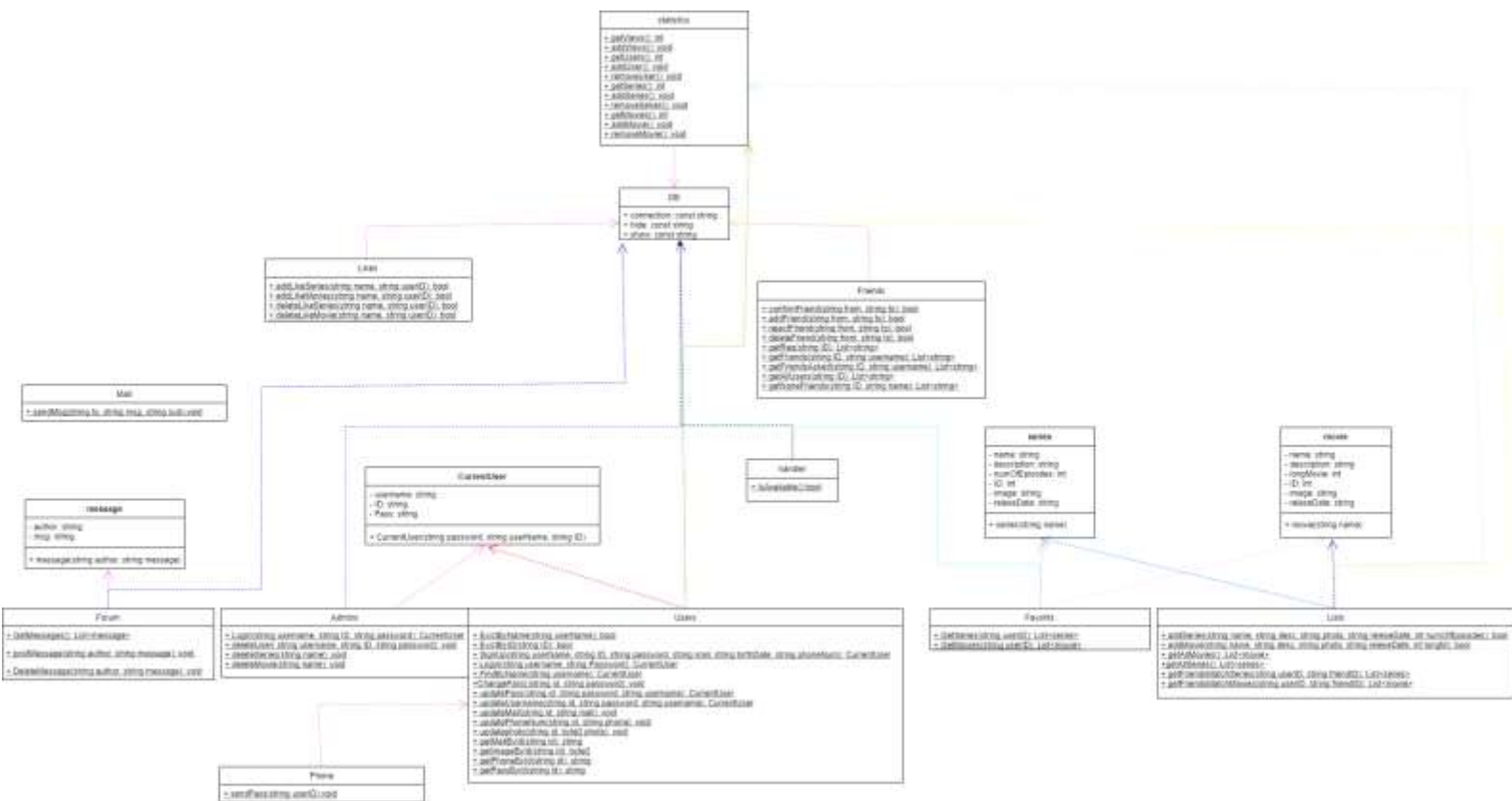
```
update statistics Set sumMovies = sumMovies - 1 where id=1;
```

מבנה התיקיות



שם התיקייה	הסבר
Documentation	תיקיית התייעוד, מכילה את ספר הפרויקט ואת תמונת ה-UML
Netflix&me	תיקיית הפרויקט, מכילה את קוד הפרויקט בלי שירותי הרשת.
Readme	מכילה את קובץ ה-readme של הפרויקט.
Web service	תיקיית שירותי הרשת, מכילה את קוד שירותי הרשת של הפרויקט.

UML



ניתן לראות גם בקישור:

<https://drive.google.com/file/d/1gHnSB1zimRQkfn-p-qUCPpH7urlU9CPM/view?usp=sharing>

ניתן לראות גם בתמונה UML בתיקית documentation

ממשקי מחלקות

מחלקת `CurrentUser`:

תיאור	כותרת הפעולה
פעולה בונה המקבלת את פרטי המשתמש	<code>public CurrentUser(string password, string userName, string ID)</code>

מחלקת `Admins`:

תיאור	כותרת הפעולה
הפעולה מקבלת את פרטי המנהל ובודקת האם הוא קיים בDB והאם כל הפרטים תואמים. אם כן, מחזירה עצם שמייצג את המשתמש. אם לא, מחזירה NULL.	<code>public static CurrentUser Login(string username, string ID, string password)</code>
הפעולה מקבלת את פרטי המשתמש שרוצים למחוק ומוחקת אותו מכל הטבלאות במסד הנתונים.	<code>public static void deleteUser(string username, string ID, string password)</code>
הפעולה מקבלת שם של הסדרה שרוצים למחוק ומוחקת אותה מכל הטבלאות במסד הנתונים.	<code>public static void deleteSeries(string name)</code>
הפעולה מקבלת שם של סרט שרוצים למחוק ומוחקת אותו מכל הטבלאות במסד הנתונים.	<code>public static void deleteMovie(string name)</code>

מחלקת `Mail`:

תיאור	כותרת הפעולה
הפעולה מקבלת כתובת מייל של הנמען, תוכן ההודעה ונושא ההודעה ושולחת מייל לנמען בהתאם לפרמטרים שקיבלה.	<code>public static void sendMsg(string to, string msg, string sub)</code>

מחלקת `message`:

תיאור	כותרת הפעולה
פעולה בונה המקבלת את כותב ההודעה ותוכן ההודעה ויוצרת עצם שמייצג את ההודעה.	<code>public message(string author, string message)</code>

מחלקת `movie`:

תיאור	כותרת הפעולה
פעולה בונה המקבלת את שם הסרט ויוצרת עצם שמכיל את כל פרטי הסרט על ידי שליפת הנתונים המתאימים מהמסד.	<code>public movie(string name)</code>

מחלקת `Phone`:

תיאור	כותרת הפעולה
הפעולה מקבלת את מת"ז המשתמש ושולחת לו סיסמא רנדומלית בהודעת ווצאפ. הפעולה גם משנה את הסיסמא במסד.	<code>public static void sendPass(string userID)</code>

מחלקת series:

כותרת הפעולה	תיאור
public series(string name)	פעולה בונה המקבלת את שם הסדרה ויוצרת עצם שמכיל את כל פרטי הסדרה על ידי שליפת הנתונים המתאימים מהמסד.

מחלקת Favorites:

כותרת הפעולה	תיאור
public static List<series> GetSeries(string userID)	הפעולה מקבלת את מת"ז המשתמש ומחזירה את רשימת הסדרות המועדפות עליו.
public static List<movie> GetMovies(string userID)	הפעולה מקבלת את מת"ז המשתמש ומחזירה את רשימת הסרטים המועדפים עליו.

מחלקת Forum:

כותרת הפעולה	תיאור
public static List<message> GetMessages()	הפעולה מחזירה רשימה של כל ההודעות בפורום.
public static void postMessage(string author, string message)	הפעולה מקבלת את שם כותב ההודעה ואת תוכן ההודעה ומוסיפה את ההודעה לפורום.
public static void DeleteMessage(string author, string message)	הפעולה מקבלת את שם כותב ההודעה ואת תוכן ההודעה ומוחקת את ההודעה מהפורום.

מחלקת Friends:

כותרת הפעולה	תיאור
public static bool confirmFriend(string from, string to)	הפעולה מקבלת את מת"ז שולח הבקשה ומת"ז מקבל הבקשה ומאשרת אותה.
public static bool addFriend(string from, string to)	הפעולה מקבלת את מת"ז שולח הבקשה ומת"ז מקבל הבקשה ושולחת אותה.
public static bool rejectFriend(string from, string to)	הפעולה מקבלת את מת"ז שולח הבקשה ומת"ז מקבל הבקשה ודוחה אותה.
public static bool deleteFriend(string from, string to)	הפעולה מקבלת את מת"ז שולח הבקשה ומת"ז מקבל הבקשה ומוחקת אותה.
public static List<string> getReq(string ID)	הפעולה מקבלת את מת"ז של המשתמש המחובר ומחזירה רשימה של שמות כל המשתמשים שהציעו לו חברות.
public static List<string> getFriends(string ID, string username)	הפעולה מקבלת את פרטי המשתמש ומחזירה רשימה של שמות כל החברים שלו.
public static List<string> getFriendsAsked(string ID, string username)	הפעולה מקבלת את פרטי המשתמש ומחזירה רשימה של שמות כל המשתמשים שבקשות החברות איתם בהמתנה.
public static List<string> getAllUsers(string ID)	הפעולה מקבלת את מת"ז המשתמש ומחזירה את הרשימה של שמות כל המשתמשים חוץ מהמשתמש הנוכחי.
public static List<string> getNonFriends(string ID, string name)	הפעולה מקבלת את פרטי המשתמש ומחזירה רשימה של שמות כל המשתמשים שאינם חברים של המשתמש.

מחלקת likes:

תיאור	כותרת הפעולה
הפעולה מקבלת שם של סדרה ומת"ז של משתמש ומוסיפה את הלייק לטבלה.	<code>public static bool addLikeSeries(string name, string userID)</code>
הפעולה מקבלת שם של סרט ומת"ז של משתמש ומוסיפה את הלייק לטבלה.	<code>public static bool addLikeMovies(string name, string userID)</code>
הפעולה מקבלת שם של סדרה ומת"ז של משתמש ומוחקת את הלייק מהטבלה.	<code>public static bool deleteLikeSeries(string name, string userID)</code>
הפעולה מקבלת שם של סרט ומת"ז של משתמש ומוחקת את הלייק מהטבלה.	<code>public static bool deleteLikeMovies(string name, string userID)</code>

מחלקת lists:

תיאור	כותרת הפעולה
הפעולה מקבלת פרטים של סדרה ומוסיפה אותה למאגר של הסדרות.	<code>public static bool addSeries(string name, string desc, string photo, string releaseDate, int numOfEpisodes)</code>
הפעולה מקבלת פרטים של סרט ומוסיפה אותו למאגר של הסרטים.	<code>public static bool addMovie(string name, string desc, string photo, string releaseDate, int longM)</code>
הפעולה מחזירה רשימה של כל הסרטים במאגר.	<code>public static List<movie> getAllMovies()</code>
הפעולה מחזירה רשימה של כל הסדרות במאגר.	<code>public static List<series> getAllSeries()</code>
הפעולה מקבלת מת"ז של שני משתמשים ומחזירה רשימה של כל הסדרות ששניהם סימנו בלייק.	<code>public static List<series> getFriendsMatchSeries(string userID, string friendID)</code>
הפעולה מקבלת מת"ז של שני משתמשים ומחזירה רשימה של כל הסרטים ששניהם סימנו בלייק.	<code>public static List<movie> getFriendsMatchMovies(string userID, string friendID)</code>

מחלקת statistics:

תיאור	כותרת הפעולה
הפעולה מחזירה את סכום הצפיות באתר.	<code>public static int getViews()</code>
הפעולה מוסיפה צפייה לסכום הצפיות באתר.	<code>public static void addViews()</code>
הפעולה מחזירה את סכום המשתמשים באתר.	<code>public static int getUsers()</code>
הפעולה מוסיפה משתמש לסכום המשתמשים באתר.	<code>public static void addUser()</code>
הפעולה מורידה משתמש מסכום משתמשי האתר.	<code>public static void removeUser()</code>
הפעולה מחזירה את סכום הסדרות באתר.	<code>public static int getSeries()</code>
הפעולה מוסיפה סדרה לסכום הסדרות באתר.	<code>public static void addSeries()</code>
הפעולה מורידה סדרה מסכום הסדרות באתר.	<code>public static void removeSeries()</code>
הפעולה מחזירה את סכום הסרטים באתר.	<code>public static int getMovies()</code>
הפעולה מוסיפה סרט לסכום הסרטים באתר.	<code>public static void addMovie()</code>
הפעולה מורידה סרט מסכום הסרטים באתר.	<code>public static void removeMovie()</code>

מחלקת Users:

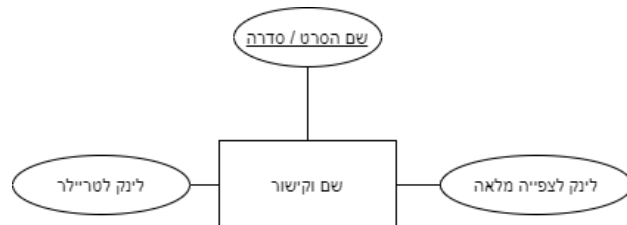
תיאור	כותרת הפעולה
הפעולה מקבלת שם משתמש ובודקת אם הוא קיים. הפעולה מחזירה true אם קיים וfalse אם לא.	<code>public static bool ExictByName(string userName)</code>
הפעולה מקבלת מת"ז ובודקת אם הוא קיים. הפעולה מחזירה true אם קיים וfalse אם לא.	<code>public static bool ExictByID(string ID)</code>
הפעולה מקבלת פרטי משתמש ומוסיפה אותו למסד הנתונים. הפעולה מחזירה עצם שמייצג את המשתמש.	<code>public static CurrentUser SignUP(string userName, string ID, string password, string mail, string birthDate, string phoneNum)</code>
הפעולה מקבלת שם משתמש וסיסמא ובודקת שהם תואמים אחד לשנייה ומופיעים במסד.	<code>public static CurrentUser Login(string username, string Password)</code>
הפעולה מקבלת שם משתמש ומחזירה עצם שמייצג את המשתמש על ידי שליפת הנתונים הרלוונטיים מהמסד.	<code>public static CurrentUser FindByName(string username)</code>
הפעולה מקבלת פרטי משתמש ומשנה את הסיסמא שלו. הפעולה מחזירה עצם המייצג משתמש.	<code>public static CurrentUser updatePass(string id, string password, string username)</code>
הפעולה מקבלת פרטי משתמש ומשנה את הסיסמא שלו.	<code>public static void ChangePass(string id, string password)</code>
הפעולה מקבלת פרטי משתמש ומשנה את שם המשתמש. הפעולה מחזירה עצם המייצג משתמש.	<code>public static CurrentUser updateUsername(string id, string password, string username)</code>
הפעולה מקבלת מת"ז ומייל של משתמש ומשנה את כתובת המייל שלו.	<code>public static void updateMail(string id, string mail)</code>
הפעולה מקבלת מת"ז ומספר פלאפון של משתמש ומשנה את מפר הפלאפון שלו.	<code>public static void updatePhoneNum(string id, string phone)</code>
הפעולה מקבלת מת"ז משתמש ומערך המייצג תמונה ומעדכנת את תמונת הפרופיל של המשתמש.	<code>public static void updatephoto(string id, byte[] photo)</code>
הפעולה מקבלת מת"ז של משתמש ומחזירה את כתובת המייל שלו.	<code>public static string getMailById(string id)</code>
הפעולה מקבלת מת"ז של משתמש ומחזירה את תמונת הפרופיל שלו.	<code>public static byte[] getImageById(string id)</code>
הפעולה מקבלת מת"ז של משתמש ומחזירה את מספר הפלאפון שלו.	<code>public static string getPhoneById(string id)</code>
הפעולה מקבלת מת"ז של משתמש ומחזירה את הסיסמא שלו.	<code>public static string getPassById(string id)</code>

מחלקת handler:

כותרת הפעולה	תיאור
public static bool IsAvailable()	הפעולה בודקת האם מסד הנתונים זמין לתקשורת או לא.

שירותי רשת שהאפליקציה מספקת

מבנה בסיס הנתונים



DSD

name_link	
name	VARCHAR(45)
link	LONGTEXT
browse	LONGTEXT
Indexes	

תמונת הטבלה ממסד הנתונים

```
1 • SELECT * FROM links.name_link;
```

name	link	browse
Kissing Booth	https://www.youtube.com/watch?v=7bfS6seiL...	https://www.netflix.com/search?q=Kis&jbv=80...
Lucifer	https://www.youtube.com/watch?v=X4bF_quw...	https://www.netflix.com/search?q=Lu&jbv=80...
Modern Family	https://www.youtube.com/watch?v=q3xrdZpM...	https://www.netflix.com/search?q=Mod&jbv=7...
New Girl	https://www.youtube.com/watch?v=aW3LEVG...	https://www.netflix.com/search?q=New&jbv=7...
Tall Girl	https://youtu.be/NfpXeLVzJIw?list=PLV5Emsdc...	https://www.netflix.com/search?q=Ta&jbv=81...
NULL	NULL	NULL

תהליכים ושאלות
קבלת כל שמות הסרטים שיש להם קישורים

```
SELECT name FROM links.name_link;
```

קבלת הקישור לטריילר לפי שם

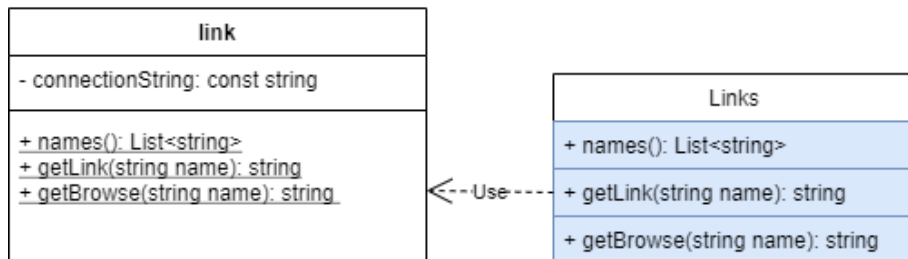
```
SELECT link FROM links.name_link WHERE name='Tall Girl';
```

קבלת הקישור לצפייה מלאה לפי שם

```
SELECT browse FROM links.name_link WHERE name='Tall Girl';
```

מחלקות UML

Web Method



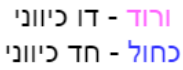
ממשק מחלקה

מחלקת `link`:

תיאור	כותרת הפעולה
הפעולה מחזירה רשימה של שמות כל הסדרות והסרטים במאגר.	<code>public static List<string> names()</code>
הפעולה מקבלת שם של סרט או סדרה ומחזירה את הלינק לטריילר.	<code>public static string getLink(string name)</code>
הפעולה מקבלת שם של סרט או סדרה ומחזירה את הלינק לצפייה המלאה.	<code>public static string getBrowse(string name)</code>

ממשק משתמש

מפת אתר



תיאור האפשרויות למשתמש באתר

פתיחת האתר

In this website you can pick your favorite movies and series!

You can also view your friends favorite and see what you have in common!

To Get started!

Get started!



לחיצה למעבר לדף הראשי



הרשמה

Sign Up

Username:

Password:

Email:

ID:

birthday:

YYYY-MM-DD

phone Number:

Ⓢ

→

הסתרה / חשיפה של סיסמא

Sign Up!

→

המשך

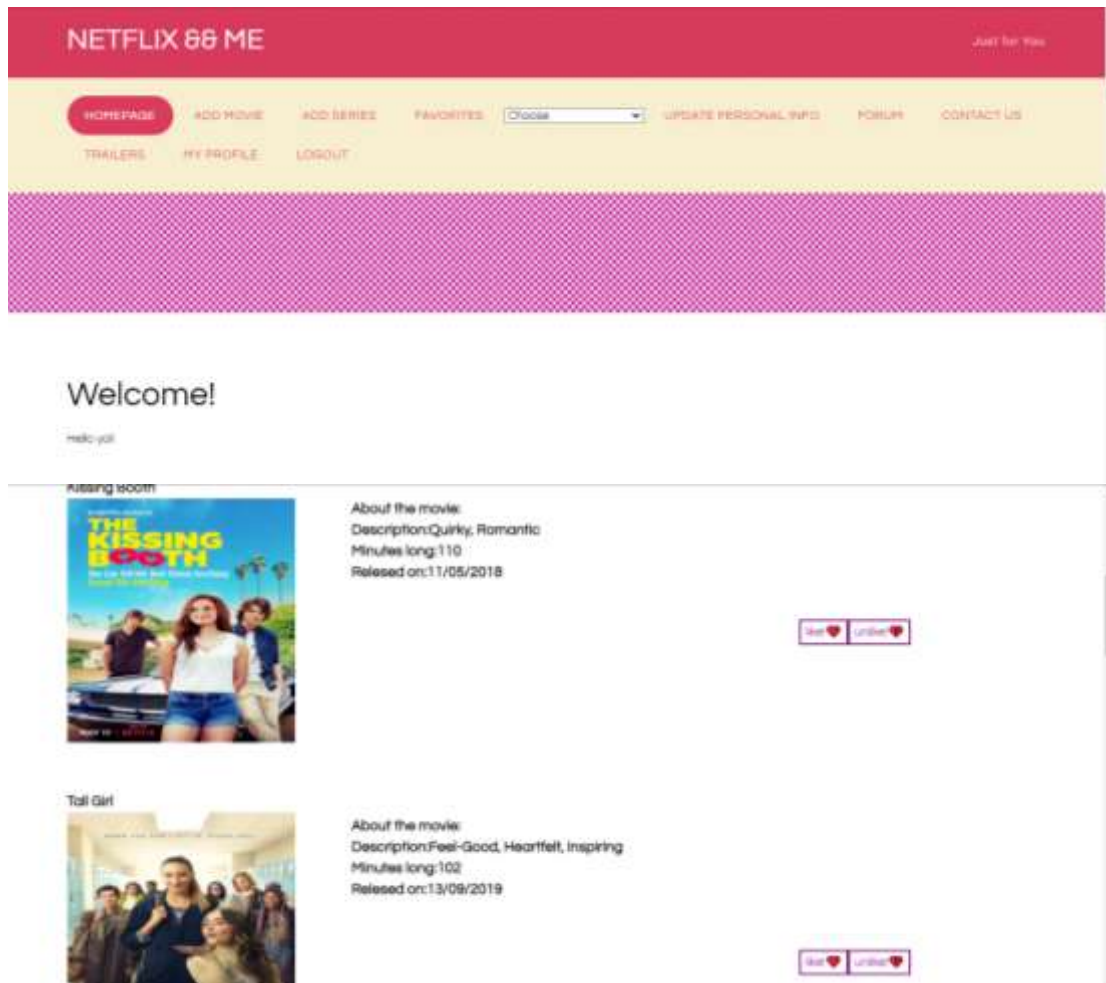
התחברות

The screenshot shows a web application's login interface. At the top, there is a navigation bar with three links: "LOGIN" (highlighted in red), "SIGN UP", and "ADMIN LOGIN". Below the navigation bar is a large pink decorative banner. The main content area is titled "Login". It contains two input fields: "Username" and "Password". To the right of the "Password" field, there is a red eye icon and a black arrow pointing to the Hebrew text "הסתירה / חשיפה של סיסמא". Below the "Password" field, there is a link that says "Forgot password?". At the bottom of the form, there is a "Login" button. A black arrow points from this button to the Hebrew text "המשך".

שחזור סיסמא

The screenshot shows a web application's "Recover Password" page. At the top, there is a navigation bar with two links: "LOGIN" and "FORGOT PASSWORD" (highlighted in red). Below the navigation bar is a large pink decorative banner. The main content area is titled "Recover Password". Below the title, there is a sub-header that says "Your password will be sent to your mail address". There is a single input field labeled "ID:". To the right of this field, there is a black arrow pointing to the Hebrew text "חובה על מנת לבצע שחזור באמצעות ווצאפ". Below the input field, there are two buttons: "Send Mail" and "Send Whatsapp". Below the "Send Mail" button, there is a black arrow pointing to the Hebrew text "שחזור באמצעות מייל". Below the "Send Whatsapp" button, there is a black arrow pointing to the Hebrew text "שחזור באמצעות ווצאפ".

צפייה במאגר הסרטים והסדרות והוספה למועדפים



הוספת סרט למאגר

The screenshot shows the 'Add Movie' form in the Netflix 'ME' interface. The form has a title 'Add Movie' and five input fields: 'Name', 'Description', 'Release Date', 'Minutes Long', and 'Photo Link'. To the right of the 'Photo Link' field is a button labeled 'קישור לתמונה' (Image Link) with an arrow pointing to it. Below the form is a 'Submit' button.

הוספת סדרה למאגר

Add Series

Name:

Description:

Release Code:

Num Of Episodes:

Photo link:

קישור לתמונה

Submit

צפייה במועדפים


[HOME PAGE](#)
[ADD MOVIE](#)
[ADD SERIES](#)
[FAVORITES](#)

[UPDATE PERSONAL INFO](#)
[FORUM](#)
[CONTACT US](#)

[TRAILERS](#)
[MY PROFILE](#)
[LOGOUT](#)

Welcome!

Hello you!



Kissing Booth

THE KISSING BOOTH

She's got her first kiss about as far from the movies as you can get.

About the movie:

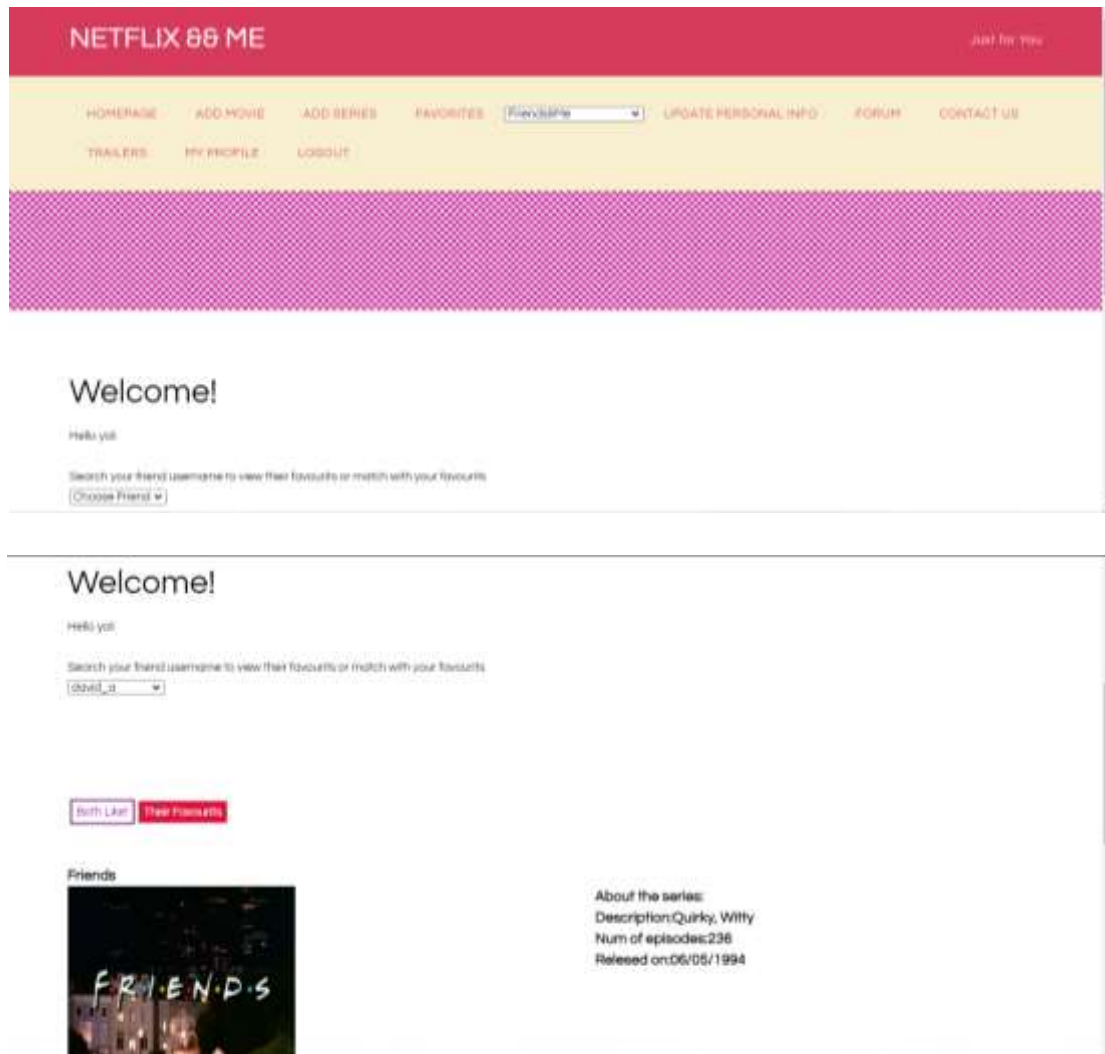
Description: Quirky, Romantic

Minutes long: 110

Released on: 11/05/2018

[wishlist](#)

צפייה במועדפים של חברים



צפייה בהצלבת המועדפים של המשתמש עם חברים שלו



צפייה ברשימת החברים והסרה של חברים



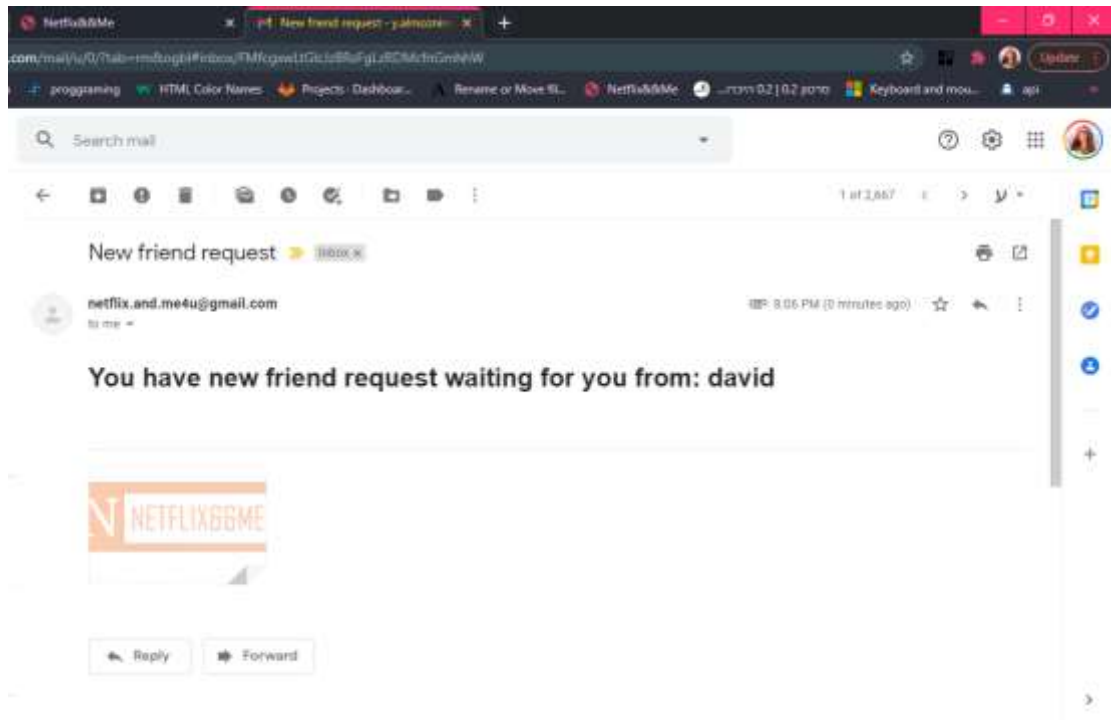
עדכון פרטים אישיים

The screenshot shows a web page with a pink patterned header. Below the header, the title "Update Your Personal Info" is displayed. Underneath, there is a "Hello yoli" greeting. To the left, there are four input fields labeled "Username:", "Password:", "Email:", and "phone Number:". To the right of these fields, there is a message in Hebrew: "מכניסים את המידע שרלוונטי לעיוני". Below the input fields, there is a pink button labeled "עדכן!".

הוספת חברים

The screenshot shows a web page with a pink patterned header. Below the header, the title "Welcome!" is displayed. Underneath, there is a "Hello yoli" greeting. To the left, there is a list of names: "david", "maayan", and "avivkab". To the right of this list, there are three pink buttons, each labeled "add". Above the main content area, there is a navigation bar with links: "HOME PAGE", "ADD MOVIE", "ADD SERIES", "FAVORITES", "Add Friends" (with a dropdown arrow), "UPDATE PERSONAL INFO", "FORUM", and "CONTACT US". Below the navigation bar, there are links: "TRAILERS", "MY PROFILE", and "LOGOUT".

לאחר שליחת בקשת חברות, המשתמש אליו נשלחה הבקשה מקבל התראה במייל



צפייה בבקשות החברות

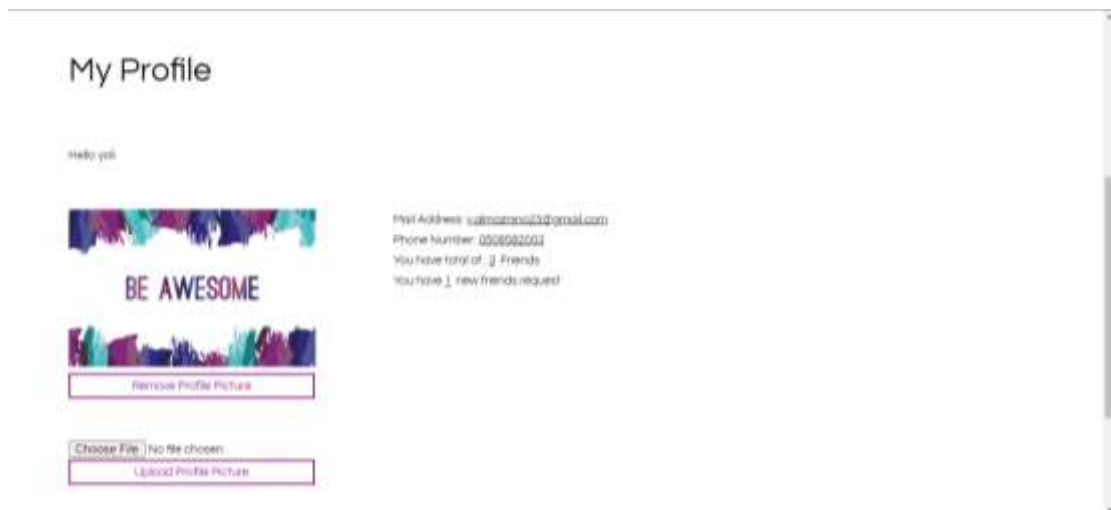


צפייה בהודעות בפורום, פרסום הודעה ומחיקת הודעה

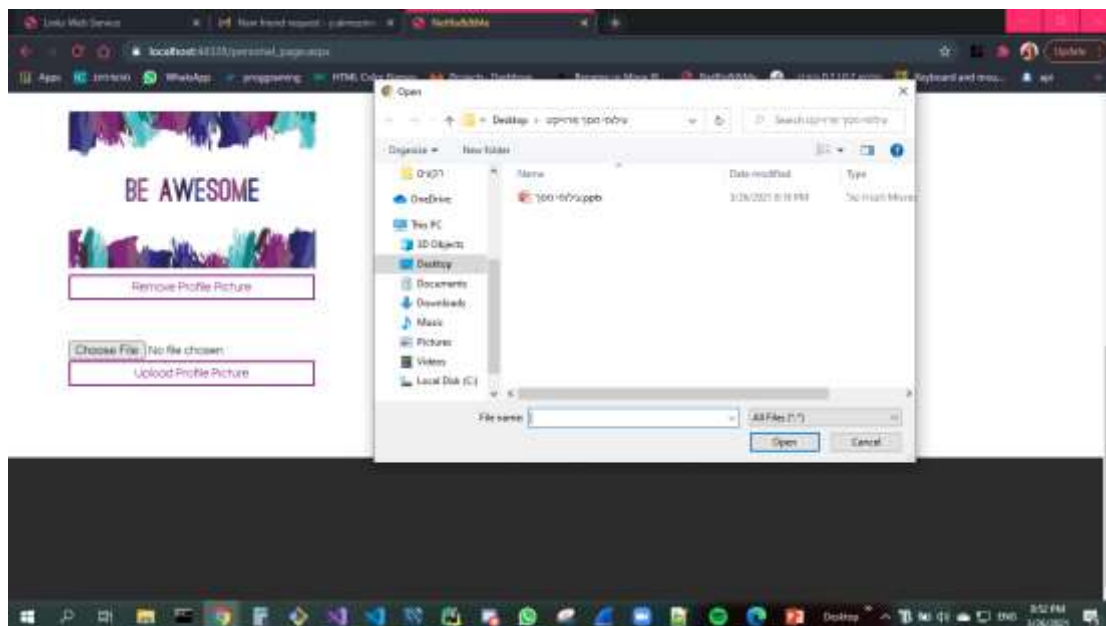


המשתמש יכול למחוק את הודעות שלו

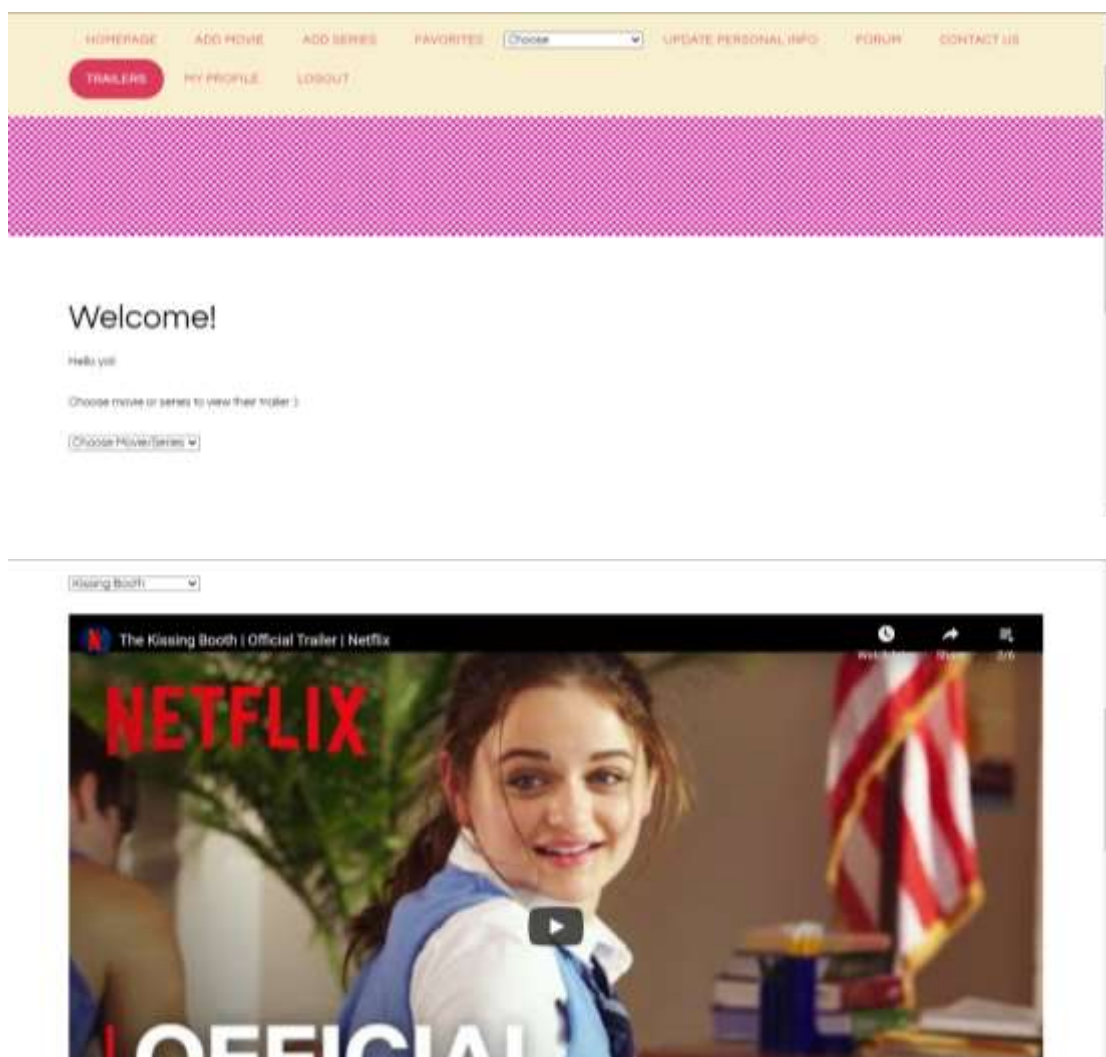
צפייה בפרופיל האישי, העלאה והסרה של תמונת הפרופיל

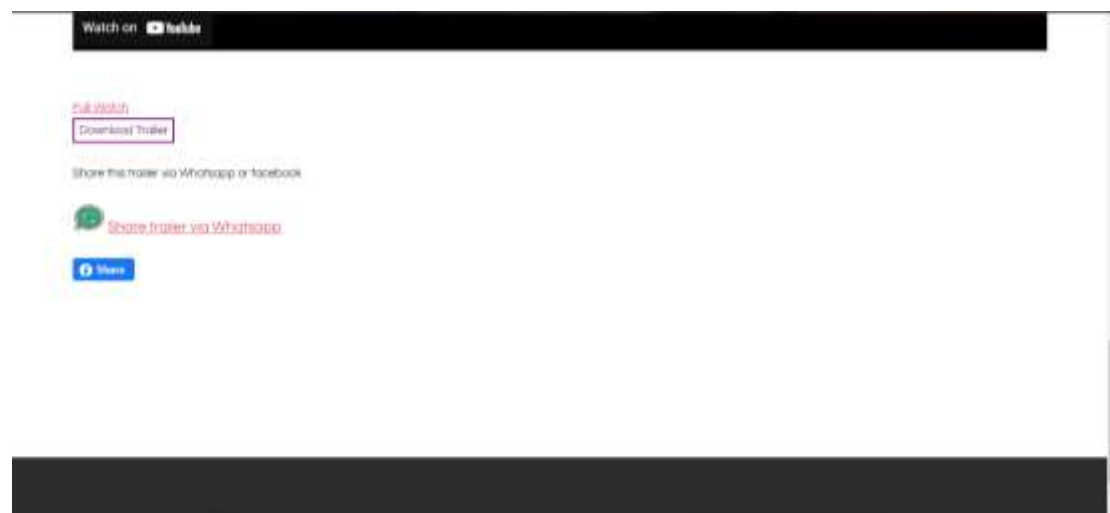


בכדי לבחור תמונה להעלאה נפתח דיאלוג בו המשתמש בוחר את התמונה שברצונו להעלות ולאחר מכן לוחץ על כפתור ההעלאה שנמצא מתחת לשם הקובץ

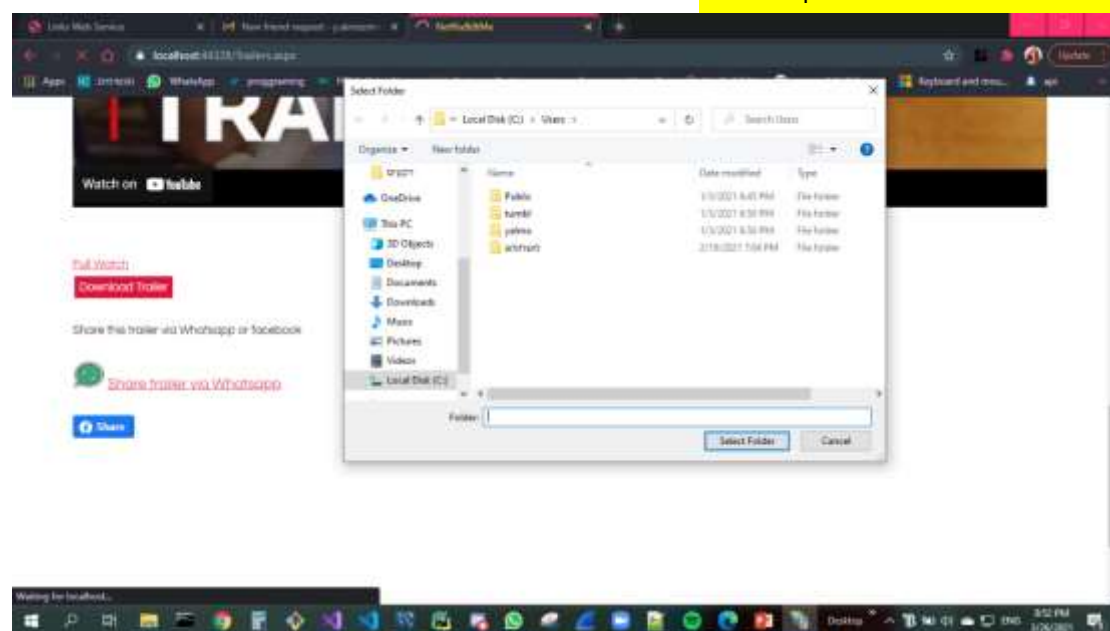


צפייה בטרילרים, שיתוף טריילר ברשתות חברתיות, הורדת טריילר





כאשר המשתמש לוחץ על כפתור ההורדה נפתח דיאלוג בו המשתמש בוחר את התיקיה אליה ישמר הטריילר. כפתורי השיתוף פותחים חלונות של ווצאפ / פייסבוק בהתאמה לבחירת המשתמש ושם נמצא הלינק לטריילר.



Contact Us

Hello yot

Subject:

Body:

Send

הפנייה נשלחת אל מנהל האתר במייל בהתאם לתוכן הפנייה שהזין המשתמש

תיאור האפשרויות למנהל האתר

שם משתמש – admin

תעודת זהות – 213718380

סיסמא – admin123456

התחברות

NETFLIX 88 ME Just for You

LOGIN SIGN UP ADMIN LOGIN

Admins Login

Username

Password

ID:

Login

מחיקת משתמשים מהמערכת

NETFLIX 88 ME Just for You

REMOVE USERS FROM SYSTEM DELETE MOVIES AND SERIES VIEW WEBSITE STATISTICS FORUM LOGOUT

Welcome!

Hello yovel

david_o

david

tali...

Delete!!!

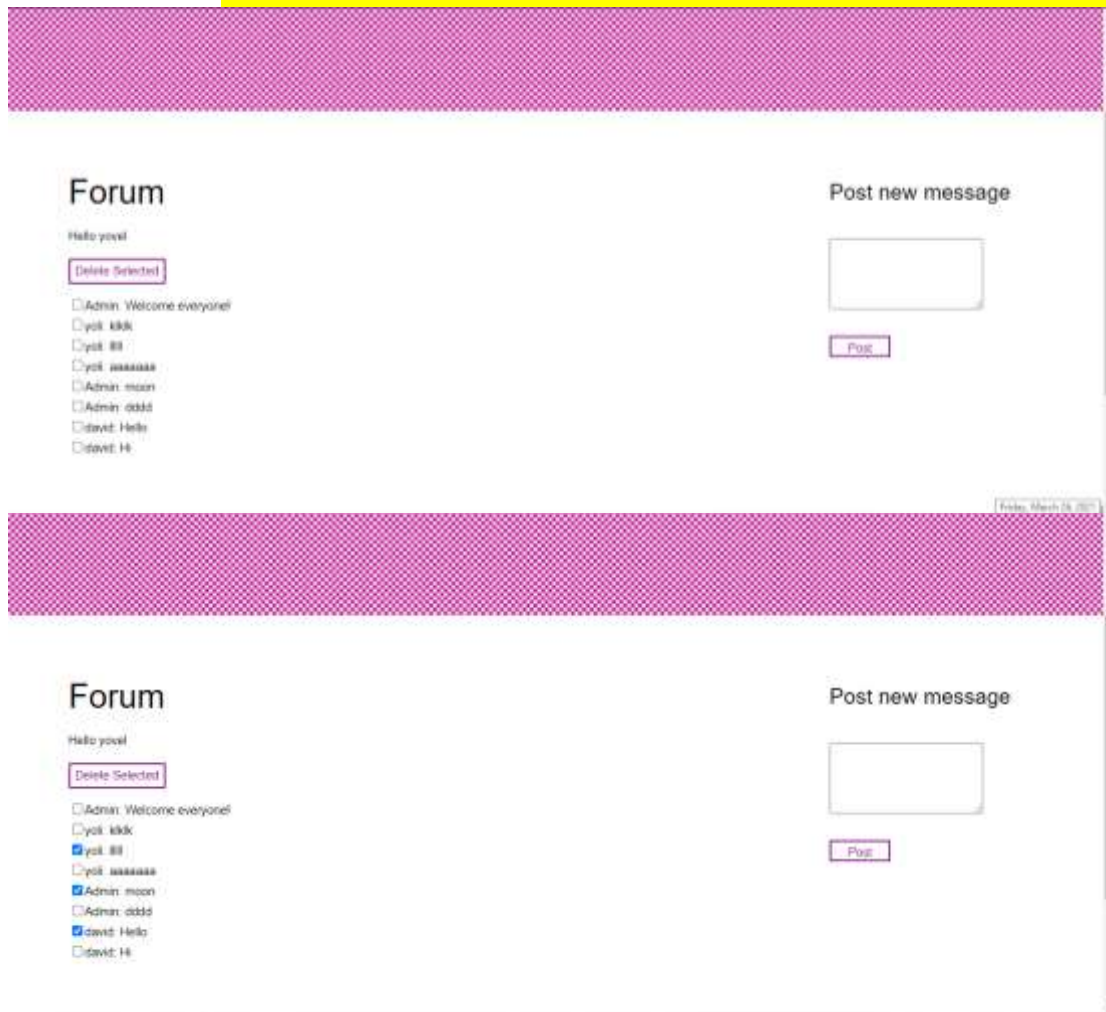
Delete!!!

Delete!!!

מחיקת סדרות וסרטים מהמערכת



צפייה בהודעות הפורום, פרסום הודעה חדשה בצורה אנונימית, מחיקת הודעות מנהל האתר מפרסם הודעות תחת השם Admin על מנת לשמור על פרטיותו



צפייה בסטטיסטיקות האתר



רשימת מקורות

1. Twilio Messaging Service
<https://www.twilio.com/docs/whatsapp/quickstart/csharp>
2. Microsoft Mail Service
<https://docs.microsoft.com/en-us/dotnet/api/system.net.mail?view=net-5.0>
3. MySQL Tutorial
<https://www.w3schools.com/mysql/>

נספחים

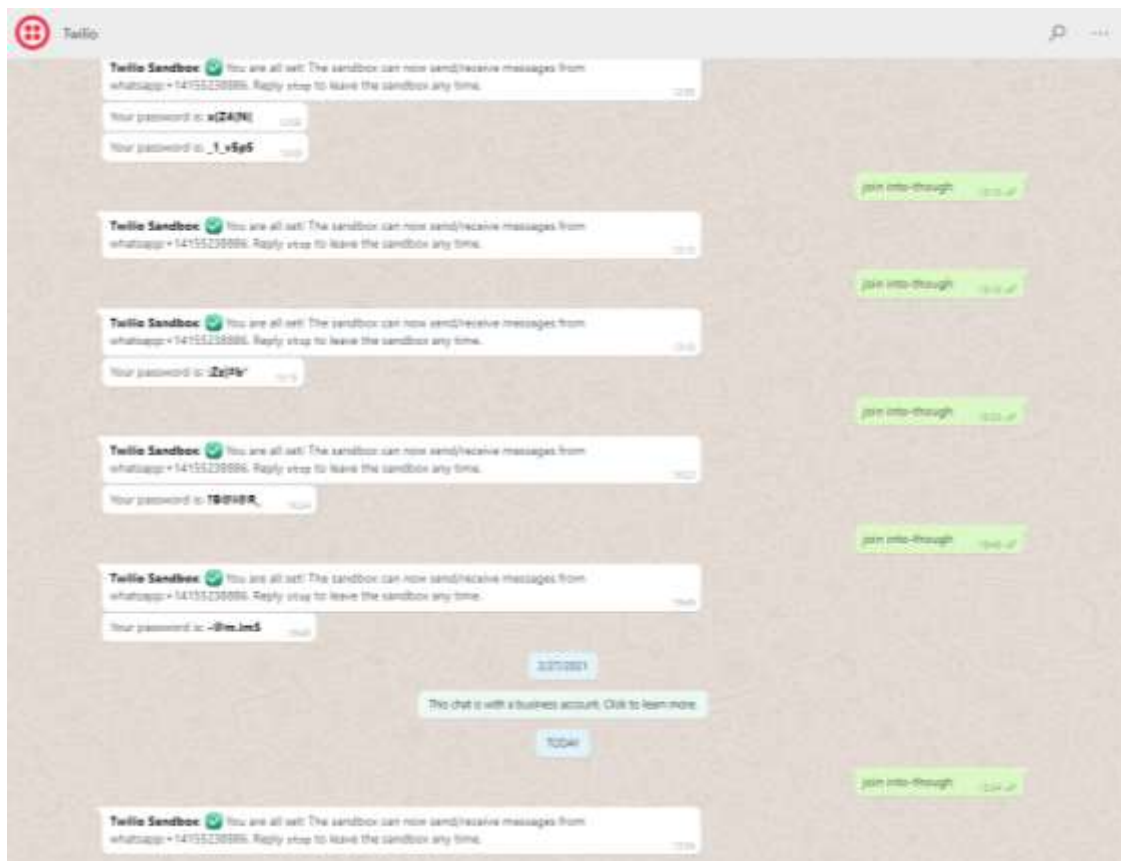
ספריות מעניינות

בקוד הפרויקט יש שימוש בכמה וכמה ספריות חיצונית כאשר הבולטות מתוכן הן ספריית Twilio וספריית Mail ועל שתיהן אפרט.

ספריית Twilio

הספרייה מאפשרת שליחת הודעות WhatsApp דרך קוד C#. השתמשתי בספרייה על מנת לשלוח למשתמשים סיסמא חדשה ורנדומלית לאתר במידה והם שכחו את הסיסמא הקיימת.

על מנת לקבל הודעות אלה יש לשלוח הודעה ספציפית למספר המיועד לכך (דוגמא בצילום המסך המצורף)



ההודעה ששולחים מפעילה Sandbox שמאפשר למשתמש לקבל הודעות בטווח של 48 שעות מקבלת ההודעה. על מנת להבטיח שהמשתמש ישלח את ההודעה הוא לא יכול ללחוץ על הכפתור המבצע את שליחת הסיסמא לפני שלחץ על הקישור אשר שולח את ההודעה הרצויה למספר המיועד. במידה והמשתמש לא ישלח את ההודעה הרצויה הוא לא יקבל את הסיסמא החדשה שלו.

הקישור מוביל לצא'ט עם המספר המיועד ובו יש את ההודעה הרצויה, כל שעל המשתמש לעשות הוא ללחוץ על שליחה.

ספריית Mail

הספרייה מאפשרת שליחת מיילים דרך קוד C# . לספרייה זו קיימים המון שימושים בפרויקט. השימושים הם:

- שליחת הודעת "ברוך הבא" לכל משתמש חדש.
- שליחת סיסמא חדשה במידה ושוכחים את הסיסמא הקיימת.
- התראה על בקשת חברות חדשה.
- התראה על אישור / דחיית בקשת חברות.
- התראה על הסרת הודעה מהפורום.
- שליחת מייל למנהל האתר עם פנייה של משתמשי האתר ושליחת עותק למשתמש.
- התראה על הסרת המשתמש מהמערכת.

השתמשתי בספרייה על מנת לשפר את חווית המשתמש. התראות המייל מנגישות את כלל האינפורמציה באתר למשתמש על ידי התראות. על ידי קבלת ההתראות המשתמש לא חייב להיכנס לאתר על מנת לראות מה חדש.

המייל נשלח מכתובת מייל שיצרתי במיוחד לפרויקט אשר כתובתו היא

Netflix.and.me4u@gmail.com

לכל מייל מצורפת תמונת הלוגו של האתר.

טיפול בשגיאות

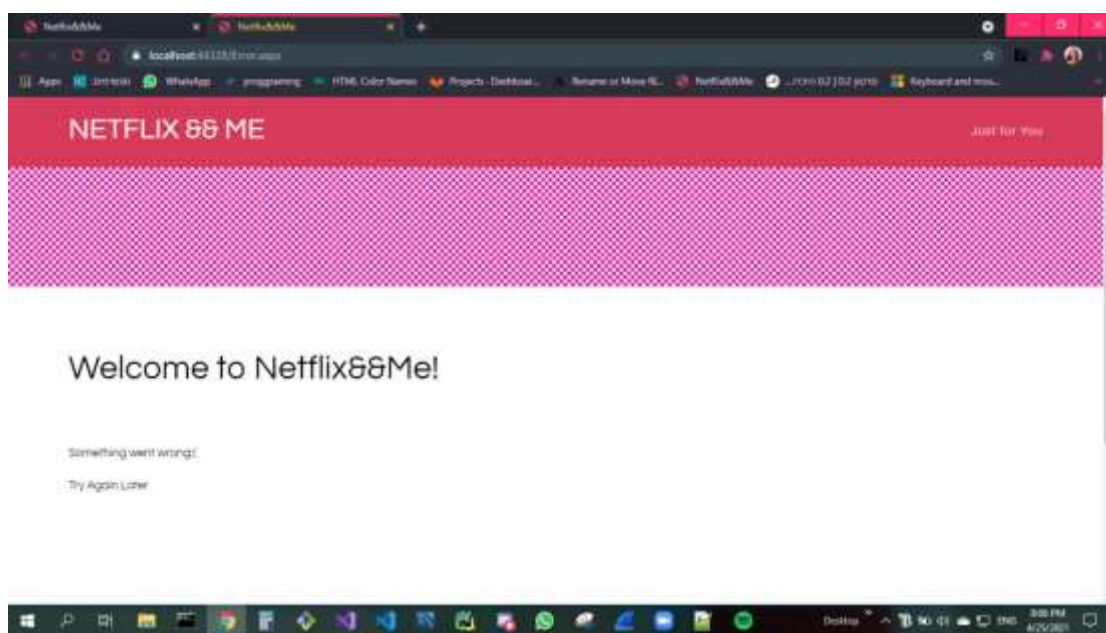
כחלק מתהליך הפרויקט נתקלתי במצבים בהם האתר קורס מהסיבה שמסד הנתונים קרס. על מנת למנוע קריסה של האתר השתמשתי במנגנון try&catch.

המנגנון מנסה לבצע בלוק של קוד, אם הקוד קורס יש קוד שמגבה אותו.

מהסיבה שבפרויקט שלי הנפילות היחידות הן נפילות של מסד הנתונים בניתי מחלקה, מחלקת handler. למחלקה יש פעולה אחת והיא סטטית. הפעולה מתועדת בממשקי המחלקות.

בכל דף חדש שנטען אני קוראת לפעולה ומוודאת שהמסד עדיין זמין. במידה והמסד לא זמין מתקיימת העברה לדף בשם Error.aspx אשר אומר שיש תקלה ולנסות להיכנס לאתר מאוחר יותר.

צילום מסך של הדף



רפלקציה

תהליך העבודה היה מהנה במיוחד בשבילי. תחום פיתוח האתרים הוא תחום שאני מאוד מתחברת אליו ורוצה לעסוק בו גם בעתיד, בין אם כתחביב או בקריירה.

במהלך העבודה לא נתקלתי בקשיים מיוחדים ואף חיפשתי תמיד אתגר ולכן תוכן האתר התפתח מאוד מהתכנון הראשוני. תכנון האתר הראשוני כלל אך ורק את תחום המועדפים ויצירת החברויות. תוך כדי התהליך הוספתי את האופציה לשחזור סיסמא, האופציה לפרסם הודעה בפורום, האופציה לצפייה בטריילרים והאופציה לצפות בפרופיל האישי.

בכל פעם לאחר שסיימתי להוסיף חלק של הפרויקט חשבתי מה עוד חסר לי, מה עוד אפשר להוסיף וכך התקדמתי.

על מנת לפרוס את העבודה בצורה נכונה תיעדתי את עבודתי במהלך כל תהליך העבודה על הפרויקט.

קוד הפרויקט

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Add Friends.aspx.cs"
Inherits="Netflix.Add_Friends" %>
```

```
<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>
```

```
<!DOCTYPE HTML>
```

```
<!--
```

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(templated.co/license)

```
-->
```

```
<html>
```

```
<head runat="server">
```

```
<title>Netflix&&Me</title>
```

```
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
```

```
<meta name="description" content="" />
```

```
<meta name="keywords" content="" />
```

```
<link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
```

```
<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
```

```
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
```

```
<script src="js/skel.min.js"></script>
```

```
<script src="js/skel-panels.min.js"></script>
```

```
<script src="js/init.js"></script>
```

```
<noscript>
```

```
<link rel="stylesheet" href="css/skel-noscript.css" />
```

```
<link rel="stylesheet" href="css/style.css" />
```

```

        <link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

        <div class="container">

            <!-- Nav -->

            <nav id="nav">

                <ul>

                    <li><a

href="Homepage.aspx">Homepage</a></li>

                    <li><a href="Add_Movie.aspx">Add

Movie</a></li>

                    <li><a href="addSeries.aspx">Add

Series</a></li>

```

```

                                <li><a
href="favorites.aspx">Favorites</a></li>

                                <li class
="active"><asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">

                                <asp:ListItem Value="Add Friends.aspx"> Choose </asp:ListItem>

                                <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>

                                <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

                                <asp:ListItem Selected="True"
Value="Add Friends.aspx"> Add Friends </asp:ListItem>

                                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>

                                </asp:DropDownList></li>

                                <li ><a href="Update.aspx">Update
Personal Info</a></li>

                                <li ><a
href="forum.aspx">Forum</a></li>

                                <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

                                <li ><a
href="Trailers.aspx">Trailers</a></li>

                                <li><a
href="personal_page.aspx">My Profile</a></li>

                                <li ><a
href="Login.aspx">Logout</a></li>

                                </ul>

                                </nav>

                                </div>

                                </div>

                                <!-- Header -->

                                <!-- Banner -->

                                <div id="banner">

                                    <div class="container">

                                        </div>

```

```

</div>

<!-- /Banner -->

<!-- Main -->

<div id="main">

    <!-- Main Content -->

    <div class="container">

        <div class="row">

            <div class="12u">

                <section>

                    <header>

                        <h2>Welcome!</h2>

                    </header>

                    <div>

                        <asp:Label

ID="username" runat="server" Text=""></asp:Label>

                        <br /><br /><br />

                        <div style="float:

right; width:300px">

                            <asp:Placeholder ID="Placeholder1" runat="server"></asp:Placeholder>

                        </div>

                        <div

style="float:left; width:200px">

                            <asp:Label

ID="Names" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>

                        </div>

                    </div>

                </div>

            </div>

        </div>

    </div>

```

```

</section>
</div>
</div>

</div>
<!-- /Main Content -->

</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

</div>

</div>

</div>
<!-- /Footer -->
<!-- Copyright -->

</form>
</body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Reflection;

```

```

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Add_Friends : System.Web.UI.Page
    {
        protected void btn_Click(object sender, EventArgs e)
        {
            CurrentUser currentUser = (CurrentUser)Session["user"];
            Button b = (Button)sender;
            CurrentUser friend = Users.FindByName(b.CommandArgument);
            friends.addFriend(currentUser.getID(), friend.getID());
            Mail.sendMsg(Users.getMailById(friend.getID()), "You have new friend request
waiting for you from:\n" + currentUser.getUsername(), "New friend request");
            Server.Transfer("Add Friends.aspx");
        }

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }
            CurrentUser currentUser = (CurrentUser)Session["user"];

```



```

username.Text = "Hello " + currentUser.getUsername();

List<string> names = friends.getNonFriends(currentUser.getID(),
currentUser.getUsername());

Names.Text = "";

foreach (string n in names)
{
    Names.Text += n;

    Names.Text += "<br/>";

    Button b = new Button();

    b.Text = "Add";

    b.ID = "Add" + n;

    b.Click += btn_Click;

    b.CommandArgument = n;

    b.CssClass = "button";

    Placeholder1.Controls.Add(b);

    Label l = new Label();

    l.Text = "<br/>";

    Placeholder1.Controls.Add(l);
}

}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if(DropDownList1.SelectedValue != "Add Friends.aspx")

        Server.Transfer(DropDownList1.SelectedValue);
}

}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Add_Movie.aspx.cs"
Inherits="Netflix.Add_Movie" %>

```

```

<!DOCTYPE HTML>

<!--
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-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

```

```

<div id="header">
    <div id="logo-wrapper">
        <div class="container">

            <!-- Logo -->
            <div id="logo">
                <h1><a href="#">Netflix &&
Me</a></h1>
                <span>Just for You</span>
            </div>

        </div>
    </div>
    <div class="container">
        <!-- Nav -->
        <nav id="nav">
            <ul>
                <li><a
href="Homepage.aspx">Homepage</a></li>
                <li class="active"><a
href="Add_Movie.aspx">Add Movie</a></li>
                <li><a href="addSeries.aspx">Add
Series</a></li>
                <li><a
href="favorites.aspx">Favorites</a></li>
                <li><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
                    <asp:ListItem Selected="True" Value="Add_Novie.aspx"> Choose
</asp:ListItem>
                    <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
                    <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

```

```

Friends.aspx"> Add Friends </asp:ListItem>
                                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
                                </asp:DropDownList></li>
                                <li ><a href="Update.aspx">Update
Personal Info</a></li>
                                <li ><a
href="forum.aspx">Forum</a></li>
                                <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>
                                <li ><a
href="Trailers.aspx">Trailers</a></li>
                                <li><a
href="personal_page.aspx">My Profile</a></li>
                                <li><a
href="Login.aspx">Logout</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">

                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">

```

[illegible]

```

</p>
</section>
</div>
</div>

</div>
<!-- /Main Content -->

</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

</div>

</div>

</div>
</div>
<!-- /Footer -->
<!-- Copyright -->

</form>

</body>
</html>

```

```
using System;
```

```
using System.Collections.Generic;
```

```

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Add_Movie : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            bool r = lists.addMovie(name.Text, desc.Text, link.Text, rele.Text,
int.Parse(Minutes.Text));

            Res.Text = r.ToString();

            name.Text = "";
            desc.Text = "";
            link.Text = "";
            rele.Text = "";
            Minutes.Text = "";
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {

```

```

        if(DropDownList1.SelectedValue != "Add_Movie.aspx")
            Server.Transfer(DropDownList1.SelectedValue);
    }
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="addSeries.aspx.cs"
Inherits="Netflix.addSeries" %>

<!DOCTYPE HTML>

<!--
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    (templated.co/license)
-->

<html>

<head runat="server">
    <title>Netflix&&Me</title>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <meta name="description" content="" />
    <meta name="keywords" content="" />
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
    <script src="js/skel.min.js"></script>
    <script src="js/skel-panels.min.js"></script>
    <script src="js/init.js"></script>
    <noscript>
        <link rel="stylesheet" href="css/skel-noscript.css" />
        <link rel="stylesheet" href="css/style.css" />
        <link rel="stylesheet" href="css/style-desktop.css" />

```



```

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>
    <form id="form1" runat="server">
        <!-- Header -->
        <div id="header">
            <div id="logo-wrapper">
                <div class="container">

                    <!-- Logo -->
                    <div id="logo">
                        <h1><a href="#">Netflix &&
Me</a></h1>

                        <span>Just for You</span>
                    </div>

                </div>
            </div>
        </div>
        <div class="container">
            <!-- Nav -->
            <nav id="nav">
                <ul>
                    <li><a
href="Homepage.aspx">Homepage</a></li>
                    <li><a href="Add_Movie.aspx">Add
Movie</a></li>
                    <li class="active"><a
href="addSeries.aspx">Add Series</a></li>
                    <li><a
href="favorites.aspx">Favorites</a></li>

```

```

ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
    <asp:ListItem Selected="True" Value="addSeries.aspx"> Choose
</asp:ListItem>

    <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>

    <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

    <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>

    <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>

</asp:DropDownList></li>

    <li ><a href="Update.aspx">Update
Personal Info</a></li>

    <li ><a
href="forum.aspx">Forum</a></li>

    <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

    <li ><a
href="Trailers.aspx">Trailers</a></li>

    <li><a
href="personal_page.aspx">My Profile</a></li>

    <li><a
href="Login.aspx">Logout</a></li>

</ul>

</nav>

</div>

</div>

<!-- Header -->

<!-- Banner -->

<div id="banner">

    <div class="container">

        </div>

    </div>

</div>

```



```

<br />
</div>
<br />
<br />
<asp:Button ID="Button1"
runat="server" Text="Submit!" OnClick="adSeries_Click" cssClass="button"/>
<p>
<asp:Label ID="Res"
runat="server" Visible="False"></asp:Label>
</p>
</section>
</div>
</div>
<!-- /Main Content -->
</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
<div class="container">
<div class="row">
</div>
</div>
</div>
</div>
</div>

```

```

        <!-- /Footer -->

        <!-- Copyright -->

    </form>

</body>
</html>

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class addSeries : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
        }

        protected void adSeries_Click(object sender, EventArgs e)
        {
            bool r = lists.addSeries(name.Text, desc.Text, link.Text, rele.Text,
int.Parse(Minutes.Text));
            Res.Text = r.ToString();
        }
    }
}

```

```

        name.Text = "";
        desc.Text = "";
        link.Text = "";
        rele.Text = "";
        Minutes.Text = "";
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (DropDownList1.SelectedValue != "addSeries.aspx")
            Server.Transfer(DropDownList1.SelectedValue);
    }
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AdminForum.aspx.cs"
Inherits="Netflix.AdminForum" %>

```

<!DOCTYPE HTML>

<!--

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(templated.co/license)

-->

<html>

<head>

<title>Netflix&&Me</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<meta name="description" content="" />

<meta name="keywords" content="" />

<link href='http://fonts.googleapis.com/css?family=Questrial'
rel='stylesheet' type='text/css'>

<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

```

        <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
        <script src="js/skel.min.js"></script>
        <script src="js/skel-panels.min.js"></script>
        <script src="js/init.js"></script>
        <noscript>
            <link rel="stylesheet" href="css/skel-noscript.css" />
            <link rel="stylesheet" href="css/style.css" />
            <link rel="stylesheet" href="css/style-desktop.css" />
        </noscript>
        <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
        <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->
    </head>
    <body>

        <form id="form1" runat="server">

    <!-- Header -->
        <div id="header">
            <div id="logo-wrapper">
                <div class="container">

                    <!-- Logo -->
                        <div id="logo">
                            <h1><a href="#">Netflix &&
Me</a></h1>

                            <span>Just for You</span>
                        </div>

                    </div>
                </div>
            </div>
        <div class="container">

```

```

<!-- Nav -->
        <nav id="nav">
            <ul>
                <li ><a
href="DeleteUsers.aspx">Remove Users From System</a></li>

                <li ><a
href="deleteMS.aspx">Delete Movies and Serieses</a></li>

                <li ><a href="statistics.aspx">View
website statistics</a></li>

                <li class ="active" ><a
href="AdminForum.aspx">Forum</a></li>

                <li ><a
href="AdminLogin.aspx">Logout</a></li>
            </ul>
        </nav>
    </div>
</div>
<!-- Header -->

<!-- Banner -->
    <div id="banner">
        <div class="container">
            </div>
        </div>
    </div>
<!-- /Banner -->

<!-- Main -->
    <div id="main">

        <!-- Main Content -->
        <div class="container">
            <div class="row">

```



```

<div class="9u skel-cell-important">
    <section>
        <header>
            <h2>Forum</h2>
        </header>
        <p>
            <asp:Label ID="username" runat="server" Text="Label"></asp:Label>
        </p>
        <p>
            <asp:Button ID="Button1" runat="server" Text="Delete Selected"
            CssClass="button" OnClick="Button1_Click" />
        <p>
            <asp:CheckBoxList ID="CheckBoxList1" runat="server">
            </asp:CheckBoxList>
        </p>
        <p>
            &nbsp;   </p>
    </section>
</div>

<div id="sidebar1" class="3u">
    <section>
        <header>
            <h2>Post new
message</h2>
        </header>
    </section>
    <section>
        <asp:TextBox ID="mess"
runat="server" Height="87px" Width="189px" TextMode="MultiLine"></asp:TextBox>
        <br />

```

```

        <br />

        <asp:Button ID="post" runat="server" Text="Post" Height="26px"
Width="75px" OnClick="post_Click" cssClass="button"/>

        </section>

    </div>

</div>

</div>

<!-- /Main Content -->

</div>

<!-- /Main -->

<!-- Footer -->
    <div id="footer">
        <div class="container">
            <div class="row">
                <div class="6u">
                    <section>
                    </section>
                </div>
            </div>
        </div>

    </div>

</div>

</div>

</form>

</body>

</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;
namespace Netflix
{
    public partial class AdminForum : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
            if (Session["user"] == null)
            {
                Server.Transfer("AdminLogin.aspx");
            }
            CurrentUser currentUser = (CurrentUser)Session["user"];
            username.Text = "Hello " + currentUser.getUsername();
            List<message> msg = Forum.GetMessages();
            Label l1 = new Label();
            l1.Text = "<br/>";
            if (!Page.IsPostBack)
            {
                foreach (message m in msg)
                {

```

```

        ListItem l = new ListItem(m.getAuthor() + ": " + m.getMsg(), m.getAuthor() + ":- "
+ m.getMsg());
        CheckBoxList1.Items.Add(l);

    }
}

}

protected void post_Click(object sender, EventArgs e)
{
    Forum.postMessage("Admin", mess.Text);
    Server.Transfer("AdminForum.aspx");
}

protected void Button1_Click(object sender, EventArgs e)
{
    foreach (ListItem l in CheckBoxList1.Items)
    {
        if (l.Selected)
        {
            string mail = "";
            CurrentUser user = (CurrentUser)Session["user"];
            string Author = l.Value.Substring(0, l.Value.IndexOf(":-"));
            string msg = l.Value.Substring(l.Value.IndexOf(":-")+4);
            Forum.DeleteMessage(Author, msg);
            if (Author != "Admin")
            {
                CurrentUser current = Users.FindByName(Author);
                mail = Users.getMailById(current.getID());
            }
        }
    }
}

```

```

        Mail.SendMsg(mail, "Your message was removed from the forum", "Notice");
    }
}

}

Server.Transfer("AdminForum.aspx");
}
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="AdminLogin.aspx.cs"
Inherits="Netflix.AdminLogin" %>

<!DOCTYPE HTML>

<!--
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    (templated.co/license)
-->
<html>
<head runat="server">
    <title>Netflix&&Me</title>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <meta name="description" content="" />
    <meta name="keywords" content="" />
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
    <script src="js/skel.min.js"></script>
    <script src="js/skel-panels.min.js"></script>

```

```

<script src="js/init.js"></script>

<noscript>

    <link rel="stylesheet" href="css/skel-noscript.css" />

    <link rel="stylesheet" href="css/style.css" />

    <link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

        <div class="container">

            <!-- Nav -->

            <nav id="nav">

                <ul>

                    <li><a

href="Login.aspx">Login</a></li>

```

```

Up</a></li>
                                <li><a href="SignUp.aspx">Sign
                                <li class="active"><a
                                href="AdminLogin.aspx">Admins Login</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">

                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">
                                            <div class="12u">
                                                <section>
                                                    <header>
                                                        <h2>Admins
Login</h2>
                                                    </header>
                                                    <div>
                                                        Username:
<asp:TextBox ID="Username" runat="server" Width="600"
BorderStyle="Solid"></asp:TextBox>
                                                        <br />

```

[illegible]

</div>

</div>

</div>

<!-- /Footer -->

<!-- Copyright -->

</form>

</body>

</html>using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix

{

public partial class AdminLogin : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

if (!handler.IsAvailable())

{

Server.Transfer("Error.aspx");

}

if (Page.IsPostBack)

{

```

        string input = password.Text;

        password.TextMode = TextBoxMode.Password;

        password.Attributes.Add("value", input);
    }
}

protected void Button1_Click(object sender, EventArgs e)
{
    string userName = Username.Text;

    string Password = password.Text;

    string ID = id.Text;

    CurrentUser user = Admins.Login(userName, ID, Password);
    if(user != null)
    {
        Session["user"] = user;

        Server.Transfer("DeleteUsers.aspx");
    }
}

/*
 * Image button of showing password clicked
 */
protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
{
    string input = password.Text;

    if (ImageButton1.ImageUrl == DB.show)
    {
        ImageButton1.ImageUrl = DB.hide;

        password.TextMode = TextBoxMode.SingleLine;
    }
}

```

```

        password.Text = input;
    }
    else
    {
        ImageButton1.ImageUrl = DB.show;
        password.TextMode = TextBoxMode.Password;
        password.Text = input;
    }
}
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public class Admins
    {

        public static CurrentUser Login(string username, string ID, string password)
        {
            string connectionString = DB.connection;

            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT    password,ID
                                FROM      admins
                                WHERE      (username = '{username}')";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();

```

```

MySQLDataReader r = cmd.ExecuteReader();

r.Read();

if (r != null)
{
    string pass = r[0].ToString();
    string id = r[1].ToString();
    if (pass == password && id == ID)
    {
        con.Close();

        return new CurrentUser(password, username, ID);
    }
    else
    {
        con.Close();
        return null;
    }
}

con.Close();

return null;
}

/*
 * The method deletes the selected user from all of the tables in the data base
 */

public static void deleteUser(string username, string ID, string password)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"delete from friendship where (userGet='{ID}' OR
userSend='{ID}')";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

```

```

        int res = cmd.ExecuteNonQuery();

        con.Close();

        SqlQuer = $"delete from saveseries where (userId = '{ID}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        res = cmd.ExecuteNonQuery();

        con.Close();

        SqlQuer = $"delete from savemovies where (userId = '{ID}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        res = cmd.ExecuteNonQuery();

        con.Close();

        SqlQuer = $"delete from users where (userName = '{username}' AND password = '{password}' AND ID = '{ID}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        res = cmd.ExecuteNonQuery();

        con.Close();
    }

    /*
    * The method deletes the selected series from all of the tables in the data base
    */

    public static void deleteSeries(string name)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"SELECT id FROM serieses

            WHERE name='{name}'";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        MySqlDataReader r = cmd.ExecuteReader();

```

```

        r.Read();

        object[] vals = new object[1];

        r.GetValues(vals);

        int id = ((int)vals[0]);


        con.Close();

        SqlQuer = $"delete from saveseries where (seriesID = '{id}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        SqlQuer = $"delete from serieses where (id = '{id}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        res = cmd.ExecuteNonQuery();

        con.Close();

    }

    /*
    * The method deletes the selected movie from all of the tables in the data base
    */

    public static void deleteMovie(string name)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"SELECT id FROM movies
                            WHERE name='{name}'";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        MySqlDataReader r = cmd.ExecuteReader();

        r.Read();

```

```

        object[] vals = new object[1];

        r.GetValues(vals);

        int id = ((int)vals[0]);


        con.Close();

        SqlQuer = $"delete from savemovies where (movieID = '{id}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        SqlQuer = $"delete from movies where (id = '{id}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        res = cmd.ExecuteNonQuery();

        con.Close();

    }

}

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Begin.aspx.cs"
Inherits="Netflix.Begin" %>


<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>


<!DOCTYPE HTML>

<!--

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    (templated.co/license)

```

```

-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

```




```

Me</a></h1>
<h1><a href="#">Netflix &&
<span>Just for You</span>
</div>
</div>
</div>
<div class="container">
<!-- Nav -->
</div>
</div>
<!-- Header -->
<!-- Banner -->
<div id="banner">
<div class="container">
</div>
</div>
<!-- /Banner -->
<!-- Main -->
<div id="main">
<!-- Main Content -->
<div class="container">
<div class="row">
<div class="12u">
<section>
<header>
<h2>Welcome to
Netflix&amp;&amp;Me!</h2>
<p>&nbsp;</p>
<p>In this website you can pick your favorits movies and serieses!</p>

```

```

common :)</p>
<p>You can also view your friends favorites and see what you have in
common :)</p>
<p>To Get started 

```

```

        <!-- Footer -->
        <div id="footer">
            <div class="container">
                <div class="row">

                    </div>

                </div>
            </div>
        <!-- /Footer -->
        <!-- Copyright -->

    </form>

</body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Begin : System.Web.UI.Page

```

```
{
protected void Page_Load(object sender, EventArgs e)
{
    if(!handler.IsAvailable())
    {
        Server.Transfer("Error.aspx");
    }

    photos.Controls.Clear();

    List<movie> m = lists.getAllMovies();

    List<series> s = lists.getAllSeries();

    int i = 0;

    foreach (movie movies in m)
    {
        Image im = new Image();
        im.ImageUrl = movies.getImage();
        im.Height = Unit.Pixel(500);
        im.Width = Unit.Pixel(300);
        photos.Controls.Add(im);

        Label space = new Label();
        space.Text = "&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&";
        photos.Controls.Add(space);

        i++;

        if (i == 3)
        {
            Label l = new Label();
            l.Text = "<br/>";
            photos.Controls.Add(l);

            i = 0;
        }
    }
}

foreach (series series in s)
```

```
{  
  
    Image im = new Image();  
  
    im.ImageUrl = series.getImage();  
  
    im.Height = Unit.Pixel(500);  
    im.Width = Unit.Pixel(300);  
  
    photos.Controls.Add(im);  
  
    Label space = new Label();  
  
    space.Text = "&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&";  
  
    photos.Controls.Add(space);  
  
    i++;  
  
    if (i == 3)  
    {  
  
        Label l = new Label();  
  
        l.Text = "<br/>";  
  
        photos.Controls.Add(l);  
  
        i = 0;  
  
    }  
  
}  
  
}  
  
protected void Button1_Click(object sender, EventArgs e)  
{  
  
    Server.Transfer("Login.aspx");  
  
}  
  
}
```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ContactAdmin.aspx.cs"
Inherits="Netflix.ContactAdmin" %>

```

<!--
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    (templated.co/license)

-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

```

```

<div id="logo-wrapper">
    <div class="container">

        <!-- Logo -->
        <div id="logo">
            <h1><a href="#">Netflix &&
Me</a></h1>
            <span>Just for You</span>
        </div>

    </div>
</div>
<div class="container">
    <!-- Nav -->
    <nav id="nav">
        <ul>

            <li ><a
href="Homepage.aspx">Homepage</a></li>

            <li ><a href="Add_Movie.aspx">Add
Movie</a></li>

            <li ><a href="addSeries.aspx">Add
Series</a></li>

            <li><a
href="favorites.aspx">Favorites</a></li>

            <li ><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
                <asp:ListItem Selected="True" Value="ContactAdmin.aspx"> Choose
</asp:ListItem>

                <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>

                <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

```

```

Friends.aspx"> Add Friends </asp:ListItem>
                                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
                                </asp:DropDownList></li>
                                <li ><a href="Update.aspx">Update
Personal Info</a></li>
                                <li ><a
href="forum.aspx">Forum</a></li>
                                <li class ="active"><a
href="ContactAdmin.aspx">Contact Us</a></li>
                                <li ><a
href="Trailers.aspx">Trailers</a></li>
                                <li><a
href="personal_page.aspx">My Profile</a></li>
                                <li ><a
href="Login.aspx">Logout</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">

                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">

```



```

        </form>

    </body>

</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class ContactAdmin : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }
            currentUser currentUser = (currentUser)Session["user"];
            username.Text = "Hello " + currentUser.getUsername();
        }
    }
}

```

```

protected void send_Click(object sender, EventArgs e)
{
    CurrentUser currentUser = (CurrentUser)Session["user"];

    Mail.sendMsg(Users.getMailById(currentUser.getID()), body.Text, "Copy of your
message");

    Mail.sendMsg("netflix.and.me4u@gmail.com", body.Text, subject.Text + " - " +
currentUser.getUsername() + "-" + currentUser.getID());

    Server.Transfer("ContactAdmin.aspx");
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if (DropDownList1.SelectedValue != "ContactAdmin")
        Server.Transfer(DropDownList1.SelectedValue);
}
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace Netflix
{
    public class CurrentUser
    {
        private string username;

        public string getUsername()
        {
            return this.username;
        }

        public void setUsername(string username)
        {

```

```

        this.username = username;
    }
    private string ID;
    public string getID()
    {
        return this.ID;
    }
    public void setID(string id)
    {
        this.ID = id;
    }
    private string Pass;
    public string getPass()
    {
        return this.Pass;
    }
    public void setPass(string pass)
    {
        this.Pass = pass;
    }
    public CurrentUser(string password, string userName, string ID)
    {
        this.Pass = password;
        this.username = userName;
        this.ID = ID;
    }
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

```

```

namespace Netflix

{
    public class DB
    {
        public const string connection = @"server=localhost;user
id=root;password=josh17rog;persistsecurityinfo=True;database=netflix&me;sslmode=None"
;

        public const string hide = "https://cdn.iconscout.com/icon/premium/png-512-
thumb/hidden-12-609974.png";

        public const string show = "https://pngimage.net/wp-content/uploads/2018/06/view-
png-icon-6.png";
    }
}

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="deleteMS.aspx.cs"
Inherits="Netflix.deleteMS" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

<!DOCTYPE HTML>

<!--
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-->

<html>

<head runat="server">
    <title>Netflix&&Me</title>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <meta name="description" content="" />
    <meta name="keywords" content="" />

```

```

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

```

```

        <div class="container">

            <!-- Nav -->

            <nav id="nav">

                <ul>

                    <li ><a
href="DeleteUsers.aspx">Remove Users From System</a></li>

                    <li class ="active" ><a
href="deleteMS.aspx">Delete Movies and Serieses</a></li>

                    <li ><a href="statistics.aspx">View
website statistics</a></li>

                    <li ><a
href="AdminForum.aspx">Forum</a></li>

                    <li ><a
href="AdminLogin.aspx">Logout</a></li>

                </ul>

            </nav>

        </div>

    </div>

    <!-- Header -->

    <!-- Banner -->

    <div id="banner">

        <div class="container">

            </div>

        </div>

    <!-- /Banner -->

    <!-- Main -->

    <div id="main">

        <!-- Main Content -->

        <div class="container">

            <div class="row">

                <div class="12u">

```



```

<section>
    <header>

        <h2>Welcome!</h2>

    </header>
    <div>
        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

        <br /><br /><br />
        <div style="float:
right; width:300px">

            <asp:PlaceHolder ID="PlaceHolder1" runat="server"></asp:PlaceHolder>

        </div>
        <div style="float:
right; width:550px">

            <asp:Label
ID="content" runat="server" Font-Bold="True" Font-Size="Large"></asp:Label>

        </div>
        <div
style="float:left; width:200px">

            <asp:Label
ID="photos" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>

        </div>

    </div>
</section>
</div>
</div>

```

```

        </div>

        <!-- /Main Content -->

    </div>

    <!-- /Main -->

    <!-- Footer -->
    <div id="footer">
        <div class="container">
            <div class="row">

                </div>

            </div>

            <!-- /Footer -->

            <!-- Copyright -->

        </div>

    </body>
</html>

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;
namespace Netflix
{

```

```

public partial class deleteMS : System.Web.UI.Page
{
    /*
        * The method deletes the selected movie or series.
        * The method decides if the item is movie or series by the command name button
attribute.
        * The method takes the item name from the command argument button attribute.
    */
    protected void del_Click(object sender, EventArgs e)
    {
        Button b = (Button)sender;
        if (b.CommandName == "movie")
        {
            Admins.deleteMovie(b.CommandArgument);
            statistics.removeMovie();
        }
        if (b.CommandName == "series")
        {
            Admins.deleteSeries(b.CommandArgument);
            statistics.removeSeries();
        }
        Server.Transfer("deleteMS.aspx");
    }
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!handler.IsAvailable())
        {
            Server.Transfer("Error.aspx");
        }
        if (Session["user"] == null)
        {

```

```

        Server.Transfer("AdminLogin.aspx");
    }

    currentUser currentUser = (currentUser)Session["user"];
    username.Text = "Hello " + currentUser.getUsername();
    content.Text = "";
    photos.Text = "";

    List<movie> m = lists.getAllMovies();
    List<series> s = lists.getAllSeries();

    foreach (movie movies in m)
    {
        content.Text += "<br/>About the movie:<br/>Description:" + movies.getDes() +
"<br/>" + "Minutes long:" + movies.getLong() + "<br/>" + "Relesed on:" + movies.getRele() +
" <br/><br/><br/><br/><br/><br/><br/><br/><br/>";

        Button btn = new Button();

        btn.Text = "Delete!!!";

        btn.ID = "del" + movies.getName();

        btn.Click += del_Click;

        btn.CommandName = "movie";

        btn.CommandArgument = movies.getName();

        btn.CssClass = "button";

        Label l1 = new Label();

        l1.Text = " <br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l1);

        Placeholder1.Controls.Add(btn);

        Label l = new Label();

        l.Text = " <br/><br/><br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l);

        photos.Text += movies.getName() + " <br/> " + "" + "<br/><br/><br/>";
    }

    foreach (series series in s)
    {

```

```

        content.Text += "<br/>About the series:<br/>Description:" + series.getDes() +
"<br/>" + "Num of episodes:" + series.getLong() + "<br/>" + "Relesed on:" + series.getRele()
+ " <br/><br/><br/><br/><br/><br/><br/><br/><br/><br/>";

```

```

        Button btn = new Button();

```

```

        btn.Text = "Delete!!";

```

```

        btn.ID = "del" + series.getName();

```

```

        btn.Click += del_Click;

```

```

        btn.CommandName = "series";

```

```

        btn.CommandArgument = series.getName();

```

```

        btn.CssClass = "button";

```

```

        Label l1 = new Label();

```

```

        l1.Text = " <br/><br/><br/><br/><br/><br/>";

```

```

        Placeholder1.Controls.Add(l1);

```

```

        Placeholder1.Controls.Add(btn);

```

```

        Label l = new Label();

```

```

        l.Text = "<br/><br/><br/><br/><br/><br/><br/><br/>";

```

```

        Placeholder1.Controls.Add(l);

```

```

        photos.Text += series.getName() + " <br/> " + "" + "<br/><br/><br/>";

```

```

    }

```

```

}

```

```

}

```

```

} <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="DeleteUsers.aspx.cs"
Inherits="Netflix.DeleteUsers" %>

```

```

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

```

```

<!DOCTYPE HTML>

```

```

<!--

```

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(templated.co/license)

-->

<html>

<head runat="server">

<title>Netflix&&Me</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<meta name="description" content="" />

<meta name="keywords" content="" />

<link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

<script src="js/skel.min.js"></script>

<script src="js/skel-panels.min.js"></script>

<script src="js/init.js"></script>

<noscript>

<link rel="stylesheet" href="css/skel-noscript.css" />

<link rel="stylesheet" href="css/style.css" />

<link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

</body>

<form id="form1" runat="server">

<!-- Header -->

```

<div id="header">
    <div id="logo-wrapper">
        <div class="container">

            <!-- Logo -->
            <div id="logo">
                <h1><a href="#">Netflix &&
Me</a></h1>
                <span>Just for You</span>
            </div>

        </div>
    </div>
    <div class="container">
        <!-- Nav -->
        <nav id="nav">
            <ul>
                <li class ="active"><a
href="DeleteUsers.aspx">Remove Users From System</a></li>

                <li ><a
href="deleteMS.aspx">Delete Movies and Serieses</a></li>

                <li ><a href="statistics.aspx">View
website statistics</a></li>

                <li ><a
href="AdminForum.aspx">Forum</a></li>

                <li ><a
href="AdminLogin.aspx">Logout</a></li>

            </ul>
        </nav>
    </div>
</div>

```

```

<!-- Header -->

<!-- Banner -->
<div id="banner">
    <div class="container">
        </div>
    </div>
</div>
<!-- /Banner -->
<!-- Main -->
<div id="main">

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="12u">
                <section>
                    <header>

<h2>Welcome!</h2>

                    </header>
                    <div>
                        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                        <br /><br /><br />
                        <div style="float:
right; width:300px">

                            <asp:Placeholder ID="Placeholder1" runat="server"></asp:Placeholder>

                            </div>
                            <div
style="float:left; width:200px">

                                <asp:Label
ID="Names" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>

```


</div>

</div>

</section>

</div>

</div>

</div>

<!-- /Main Content -->

</div>

<!-- /Main -->

<!-- Footer -->

<div id="footer">

<div class="container">

<div class="row">

</div>

</div>

</div>

<!-- /Footer -->

<!-- Copyright -->

</form>

</body>

</html>using System;

```

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class DeleteUsers : System.Web.UI.Page
    {
        /*
         * The method deletes the selected user.
         * The method takes the username from the command argument button attribute.
         */
        protected void btn_Click(object sender, EventArgs e)
        {
            Button b = (Button)sender;

            CurrentUser user = Users.FindByName(b.CommandArgument);

            Mail.sendMsg(Users.getMailById(user.getID()), "You were removed from the system
:(", "Notice");

            Admins.deleteUser(user.getUsername(),user.getID(),user.getPass());

            statistics.removeUser();

            Server.Transfer("DeleteUsers.aspx");

        }

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
        }
    }
}

```

```

if (Session["user"] == null)
{
    Server.Transfer("AdminLogin.aspx");
}

CurrentUser currentUser = (CurrentUser)Session["user"];
username.Text = "Hello " + currentUser.getUsername();
List<string> names = friends.getAllUsers("0");
Names.Text = "";
foreach (string n in names)
{
    Names.Text += n;
    Names.Text += "<br/>";
    Button b = new Button();
    b.CssClass = "button";
    b.Text = "Delete!!!";
    b.ID = "Delete" + n;
    b.Click += btn_Click;
    b.CommandArgument = n;
    Placeholder1.Controls.Add(b);
    Label l = new Label();
    l.Text = "<br/>";
    Placeholder1.Controls.Add(l);
}
}
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Error.aspx.cs"
Inherits="Netflix.Error" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

```

```

<!DOCTYPE HTML>

<!--
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    (templated.co/license)
-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

```

```

<!-- Header -->
<div id="header">
    <div id="logo-wrapper">
        <div class="container">

            <!-- Logo -->
            <div id="logo">
                <h1><a href="#">Netflix &&

Me</a></h1>

                <span>Just for You</span>

            </div>

        </div>
    </div>
</div>
<div class="container">
    <!-- Nav -->

</div>
</div>
<!-- Header -->
<!-- Banner -->
<div id="banner">
    <div class="container">

        </div>
    </div>
</div>
<!-- /Banner -->
<!-- Main -->
<div id="main">

    <!-- Main Content -->
    <div class="container">

```

```

<div class="row">
  <div class="12u">
    <section>
      <header>
        <h2>Welcome to
Netflix&amp;&amp;Me!</h2>
        <p>&nbsp;</p>
        <p>&nbsp;</p>
        <p>Something went wrong:</p>
        <p>Try Again Later</p>
        <p>
          &nbsp;</p>
      </header>
      <div>
        <br /><br /><br />
        <div style="float:
right; width:300px">

        </div>
        <div style="float:
right; width:550px">

        </div>
      </div>
    </section>
  </div>
</div>
<!-- /Main Content -->

```

```

        </div>

        <!-- /Main -->

        <!-- Footer -->

        <div id="footer">

            <div class="container">

                <div class="row">


                    </div>

                </div>

            <!-- /Footer -->

            <!-- Copyright -->

        </form>

    </body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Netflix
{
    public partial class Error : System.Web.UI.Page

```

```

{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="favorites.aspx.cs"
Inherits="Netflix.favorites" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

<!DOCTYPE HTML>

<!--
    Colorized by TEMPLATED
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    (templated.co/license)
-->

<html>
<head runat="server">
    <title>Netflix&&Me</title>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <meta name="description" content="" />
    <meta name="keywords" content="" />
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
    <script src="js/skel.min.js"></script>

```



```

<script src="js/skel-panels.min.js"></script>

<script src="js/init.js"></script>

<noscript>

    <link rel="stylesheet" href="css/skel-noscript.css" />

    <link rel="stylesheet" href="css/style.css" />

    <link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

        <div class="container">

            <!-- Nav -->

            <nav id="nav">

                <ul>

```

```

href="Homepage.aspx">Homepage</a></li>

Movie</a></li>

Series</a></li>

href="favorites.aspx">Favorites</a></li>

ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
    <asp:ListItem Selected="True" Value="favorites.aspx"> Choose
</asp:ListItem>
    <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
    <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
    <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
    <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
</asp:DropDownList></li>
    <li><a href="Update.aspx">Update
Personal Info</a></li>

    <li><a
href="forum.aspx">Forum</a></li>

    <li><a
href="ContactAdmin.aspx">Contact Us</a></li>

    <li><a
href="Trailers.aspx">Trailers</a></li>

    <li><a
href="personal_page.aspx">My Profile</a></li>

    <li><a
href="Login.aspx">Logout</a></li>
</ul>
</nav>

```

```

        </div>
    </div>
    <!-- Header -->
    <!-- Banner -->
    <div id="banner">
        <div class="container">
            </div>
        </div>
    <!-- /Banner -->
    <!-- Main -->
    <div id="main">

        <!-- Main Content -->
        <div class="container">
            <div class="row">
                <div class="12u">
                    <section>
                        <header>

<h2>Welcome!</h2>

                        </header>
                        <div>
                            <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                            <br /><br /><br />
                            <div style="float:
right; width:300px">

                                <asp:Placeholder ID="PlaceHolder1" runat="server"></asp:Placeholder>

                                </div>
                                <div style="float:
right; width:550px">

```

```

ID="content" runat="server" Font-Bold="True" Font-Size="Large"></asp:Label>
</div>
<div
style="float:left; width:200px">
ID="photos" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>
</div>
</div>
</section>
</div>
</div>
</div>
<!-- /Main Content -->
</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
<div class="container">
<div class="row">
</div>
</div>
</div>

```

```

        </div>

        <!-- /Footer -->

        <!-- Copyright -->

    </form>

</body>

</html>

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;
namespace Netflix
{
    public partial class favorites : System.Web.UI.Page
    {
        /*
        * The method deletes the like from the selected movie or series.
        * The method decides if the item is movie or series by the command name button
attribute.
        * The method takes the item name from the command argument button attribute.
        */
        protected void unlikes_Click(object sender, EventArgs e)
        {
            CurrentUser currentUser = (CurrentUser)Session["user"];
            Button b = (Button)sender;
            if (b.CommandName == "movie")
            {
                likes.deleteLikeMovies(b.CommandArgument, currentUser.getID());
            }
        }
    }
}

```

```

    }

    if (b.CommandName == "series")
    {
        likes.deleteLikeSeries(b.CommandArgument, currentUser.getID());
    }

    Server.Transfer("favorites.aspx");
}

protected void Page_Load(object sender, EventArgs e)
{
    if (!handler.IsAvailable())
    {
        Server.Transfer("Error.aspx");
    }

    if (Session["user"] == null)
    {
        Server.Transfer("Login.aspx");
    }

    CurrentUser currentUser = (CurrentUser)Session["user"];
    username.Text = "Hello " + currentUser.getUsername();
    content.Text = "";
    photos.Text = "";

    List<movie> m = Favorites.GetMovies(currentUser.getID());
    List<series> s = Favorites.GetSeries(currentUser.getID());
    foreach (movie movies in m)
    {
        content.Text += "<br/>About the movie:<br/>Description:" + movies.getDes() +
"<br/>" + "Minutes long:" + movies.getLong() + "<br/>" + "Released on:" + movies.getRele() +
" <br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/>";

        Button btn1 = new Button();

        btn1.Text = "unlike!❤️";

        btn1.ID = "unlikes" + movies.getName();

        btn1.Click += unlikes_Click;
    }
}

```

```

        btn1.CommandName = "movie";

        btn1.CommandArgument = movies.getName();

        Label l1 = new Label();

        l1.Text = " <br/><br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l1);

        btn1.CssClass = "button";

        Placeholder1.Controls.Add(btn1);

        Label l = new Label();

        l.Text = " <br/><br/><br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l);

        photos.Text += movies.getName() + " <br/> " + "" + "<br/><br/><br/>";
    }

    foreach (series series in s)
    {
        content.Text += "<br/>About the series:<br/>Description:" + series.getDes() +
"<br/>" + "Num of episodes:" + series.getLong() + "<br/>" + "Relesed on:" + series.getRele()
+ " <br/><br/><br/><br/><br/><br/><br/><br/>";

        Button btn1 = new Button();

        btn1.Text = "unlike!❤";

        btn1.ID = "unlikes" + series.getName();

        btn1.Click += unlikes_Click;

        btn1.CommandName = "series";

        btn1.CommandArgument = series.getName();

        btn1.CssClass = "button";

        Label l1 = new Label();

        l1.Text = " <br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l1);

        Placeholder1.Controls.Add(btn1);

        Label l = new Label();

        l.Text = " <br/><br/><br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l);
    }
}

```

```

        photos.Text += series.getName() + " <br/> " + "" + "<br/><br/><br/>";

```

```

    }

```

```

    }

```

```

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)

```

```

    {

```

```

        if (DropDownList1.SelectedValue != "favorites.aspx")

```

```

            Server.Transfer(DropDownList1.SelectedValue);

```

```

        }

```

```

    }

```

```

}using System;

```

```

using System.Collections.Generic;

```

```

using System.Linq;

```

```

using System.Web;

```

```

using MySql.Data.MySqlClient;

```

```

namespace Netflix

```

```

{

```

```

    public class Favorites

```

```

    {

```

```

        public static List<series> GetSeries(string userID)

```

```

        {

```

```

            string connectionString = DB.connection;

```

```

            MySqlConnection con = new MySqlConnection(connectionString);

```

```

            string SqlQuer = $"SELECT DISTINCT serieses.name

```

```

                        FROM saveseries

```

```

                        INNER JOIN serieses ON saveseries.seriesID=serieses.id

```



```

        WHERE userID='{userID}';";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        List<series> series = new List<series>();
        while (r.Read())
        {
            series.Add(new series(r.GetValue(0).ToString()));
        }
        con.Close();
        return series;
    }

    public static List<movie> GetMovies(string userID)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT DISTINCT movies.name
                            FROM savemovies
                            INNER JOIN movies ON savemovies.movieID=movies.id
                            WHERE userID='{userID}';";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        List<movie> movies = new List<movie>();
        while (r.Read())
        {
            movies.Add(new movie(r.GetValue(0).ToString()));
        }
        con.Close();
        return movies;
    }

```

```

    }

} <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Fogot.aspx.cs"
Inherits="Netflix.Fogot" %>

<!DOCTYPE HTML>

<!--
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-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

```

```

        <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->
</head>

<body>
    <form id="form1" runat="server">
        <!-- Header -->
        <div id="header">
            <div id="logo-wrapper">
                <div class="container">

                    <!-- Logo -->
                    <div id="logo">
                        <h1><a href="#">Netflix &&
Me</a></h1>

                        <span>Just for You</span>
                    </div>

                </div>
            </div>
        </div>
        <div class="container">
            <!-- Nav -->
            <nav id="nav">
                <ul>

                    <li><a
href="Login.aspx">Login</a></li>

                    <li class="active"><a
href="Forgot.aspx">Forgot Password</a></li>

                </ul>
            </nav>
        </div>
    </div>
    <!-- Header -->

```

```

<!-- Banner -->
<div id="banner">
    <div class="container">
        </div>
    </div>
<!-- /Banner -->
<!-- Main -->
<div id="main">

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="12u">
                <section>
                    <header>
                        <h2>Recover
Password</h2>
                    </header>
                    <div>
                        Your password will
be sent to your mail address<br />
                        <br />
                        <br />
                        ID: <asp:TextBox ID="id" runat="server" Width="600"
BorderStyle="Solid"></asp:TextBox>
                    </div>
                        <br />
                        <asp:LinkButton ID="instructions" runat="server"
OnClick="instructions_Click">LinkButton</asp:LinkButton>
                        <br />
                        <br />
                        <asp:Button ID="Button1"
runat="server" Text="Send Mail" OnClick="Button1_Click" CssClass="button" />

```

```

                                <asp:Button ID="Button2"
runat="server" CssClass="button" OnClick="Button2_Click" Text="Send Whatsapp" />
                                <p>
                                <asp:Label ID="Res"
runat="server" ForeColor="Red"></asp:Label>
                                </p>
                                </section>
                                </div>
                                </div>
                                </div>
                                <!-- /Main Content -->
                                </div>
                                <!-- /Main -->
                                <!-- Footer -->
                                <div id="footer">
                                    <div class="container">
                                        <div class="row">
                                            </div>
                                        </div>
                                    </div>
                                </div>
                                <!-- /Footer -->
                                <!-- Copyright -->
                                </form>
                            </body>
                        </html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.Security;
using Twilio;
using Twilio.Types;
using Twilio.Rest.Api.V2010.Account;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Fogot : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            instructions.Text = "In order to get your password on whatsapp follow this link first!";
            Button2.Enabled = false;
        }

        protected void Button1_Click(object sender, EventArgs e)
        {

```

```

        if (Users.ExistByID(id.Text))
        {
            string mail = Users.GetMailByID(id.Text);
            string password = Membership.GeneratePassword(7, 3);
            Users.ChangePass(id.Text, password);
            string msg = "Your Password is:\n" + password;
            Mail.SendMsg(mail, msg, "Password Recovery");
            Server.Transfer("Login.aspx");
        }
        else
        {
            id.Text = "No Matching ID found";
        }
    }

protected void Button2_Click(object sender, EventArgs e)
{
    if(Users.ExistByID(id.Text))
    {
        Phone.SendPass(id.Text);
        Server.Transfer("Login.aspx");
    }
    else
    {
        id.Text = "No Matching ID found";
    }
}

```

```

protected void instructions_Click(object sender, EventArgs e)
{
    Response.Write("<script>");

    Response.Write("window.open('https://api.whatsapp.com/send?phone=+14155238886&text=join into-thought','_blank')");

    Response.Write("</script>");

    Button2.Enabled = true;
}
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="forum.aspx.cs"
Inherits="Netflix.forum" %>

```

<!DOCTYPE HTML>

<!--

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(templated.co/license)

-->

<html>

<head>

<title>Netflix&&Me</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<meta name="description" content="" />

<meta name="keywords" content="" />

<link href='http://fonts.googleapis.com/css?family=Questrial' rel='stylesheet' type='text/css'>

<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

<script

src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

<script src="js/skel.min.js"></script>

<script src="js/skel-panels.min.js"></script>


```

<script src="js/init.js"></script>

<noscript>
    <link rel="stylesheet" href="css/skel-noscript.css" />
    <link rel="stylesheet" href="css/style.css" />
    <link rel="stylesheet" href="css/style-desktop.css" />
</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

<!-- Header -->
    <div id="header">
        <div id="logo-wrapper">
            <div class="container">

                <!-- Logo -->
                <div id="logo">
                    <h1><a href="#">Netflix &&
Me</a></h1>
                    <span>Just for You</span>
                </div>

            </div>
        </div>
    </div>
    <div class="container">
        <!-- Nav -->
        <nav id="nav">
            <ul>

```

```

href="Homepage.aspx">Homepage</a></li>

Movie</a></li>

Series</a></li>

href="favorites.aspx">Favorites</a></li>

ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True"
Font-Bold="False">
    <asp:ListItem Selected="True" Value="forum.aspx"> Choose </asp:ListItem>
    <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
    <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
    <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
    <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
</asp:DropDownList></li>
Personal Info</a></li>

href="forum.aspx">Forum</a></li>

href="ContactAdmin.aspx">Contact Us</a></li>

href="Trailers.aspx">Trailers</a></li>

href="personal_page.aspx">My Profile</a></li>

href="Login.aspx">Logout</a></li>
</ul>
</nav>

```

```

        </div>
    </div>
<!-- Header -->

<!-- Banner -->
    <div id="banner">
        <div class="container">
            </div>
        </div>
    </div>
<!-- /Banner -->

<!-- Main -->
    <div id="main">

        <!-- Main Content -->
        <div class="container">
            <div class="row">

                <div class="9u skel-cell-important">
                    <section>
                        <header>
                            <h2>Forum</h2>
                        </header>
                        <p>
                            <asp:Label ID="username" runat="server" Text="Label" Font-Size="X-
Large"></asp:Label>
                        </p>
                        <p>
                            <div style="float: right; width:300px">

                                <asp:Placeholder ID="Placeholder1" runat="server"></asp:Placeholder>

```

```

</div>
<div style="float: left;
width:100px">

<asp:Placeholder ID="Placeholder2" runat="server"></asp:Placeholder>

</div>

</p>
<p>
<asp:Label ID="content" runat="server" Text="Label"></asp:Label>
</p>

</section>
</div>

<div id="sidebar1" class="3u">
<section>
<header>
<h2>Post new
message</h2>
<p>&nbsp;</p>
</header>
</section>
<section>
<asp:TextBox ID="mess"
runat="server" Height="87px" Width="189px" TextMode="MultiLine"></asp:TextBox>
<br />
<br />
<asp:Button ID="post" runat="server" Text="Post" Height="26px"
Width="75px" OnClick="post_Click" CssClass="button" />
</section>
</div>

</div>

```

```

        </div>

        <!-- /Main Content -->

    </div>

    <!-- /Main -->

    <!-- Footer -->
    <div id="footer">
        <div class="container">
            <div class="row">
                <div class="6u">
                    <section>

                        </section>

                </div>
            </div>
        </div>

    </div>

</div>

</div>

</form>

</body>
</html>

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;

```

```

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class forum : System.Web.UI.Page
    {
        /*
         * The method deletes the selected message from the forum
         */
        protected void btn_Click(object sender, EventArgs e)
        {
            Button b = (Button)sender;

            CurrentUser user = (CurrentUser)Session["user"];

            Forum.DeleteMessage(user.getUsername(), b.CommandName);

            Server.Transfer("forum.aspx");

        }

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }

            CurrentUser currentUser = (CurrentUser)Session["user"];

            username.Text = "Hello " + currentUser.getUsername();

            content.Text = "";
        }
    }
}

```

```

Placeholder2.Controls.Clear();

List<message> msg = Forum.GetMessages();

int i = 0;

foreach(message m in msg)
{
    content.Text += m.getAuthor() + ": " + m.getMsg() + "<br/><br/>";

    if (m.getAuthor() == currentUser.getUsername())
    {
        Button btn = new Button();

        btn.Text = "Delete!!!";

        btn.ID = "del" + i.ToString();

        btn.Click += btn_Click;

        btn.CommandName = m.getMsg();

        btn.CssClass = "button";

        btn.Font.Size = System.Web.UI.WebControls.FontUnit.Point(9);

        btn.Height = System.Web.UI.WebControls.Unit.Pixel(20);


        Placeholder1.Controls.Add(btn);
    }

    if (m.getAuthor() != "Admin")
    {
        CurrentUser user = Users.FindByName((m.getAuthor()));

        Image profile = new Image();

        profile.ImageUrl = "data:image;base64," +
Convert.ToBase64String(Users.getImageById(user.getID()));

        profile.Height = System.Web.UI.WebControls.Unit.Pixel(15);

        profile.Width = System.Web.UI.WebControls.Unit.Pixel(40);

        profile.ID = "pro" + i.ToString();

        Placeholder2.Controls.Add(profile);
    }
}

```

```

        Label l1 = new Label();
        l1.Text = " <br/><br/>";
        Label l2 = new Label();
        l2.Text = " <br/><br/>";
        Placeholder1.Controls.Add(l1);
        Placeholder2.Controls.Add(l2);

        i++;
    }

}

protected void post_Click(object sender, EventArgs e)
{
    CurrentUser currentUser = (CurrentUser)Session["user"];
    Forum.postMessage(currentUser.getUsername(), mess.Text);
    Server.Transfer("forum.aspx");
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if (DropDownList1.SelectedValue != "forum.aspx")
        Server.Transfer(DropDownList1.SelectedValue);
}
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

```



```

namespace Netflix
{
    public class Forum
    {
        //The method returns all of the messages in the forum
        public static List<message> GetMessages()
        {
            string connectionString = DB.connection;

            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT author, message FROM `netflix&me`.`forum` ";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            MySqlDataReader r = cmd.ExecuteReader();
            List<message> msgs = new List<message>();
            while (r.Read())
            {
                msgs.Add(new message(r.GetValue(0).ToString(), r.GetValue(1).ToString()));
            }
            con.Close();
            return msgs;
        }

        public static void postMessage(string author, string message)
        {
            string connectionString = DB.connection;

            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"INSERT INTO `netflix&me`.`forum` (author, message)
                                VALUES ('{author}', '{message}')";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            int res = cmd.ExecuteNonQuery();
        }
    }
}

```

```

        con.Close();
    }

    public static void DeleteMessage(string author, string message)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"delete from forum where (author='{author}' AND
message='{message}')";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();
    }
}

}using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public class friends
    {
        //confirm = 3
        //reject = 4
        //add = 1
    {
        public static bool confirmFriend(string from,string to)
        {
            string connectionString = DB.connection;

            MySqlConnection con = new MySqlConnection(connectionString);

```

```

        string SqlQuer = $"UPDATE friendship SET status = '3' WHERE (userSend='{from}'
AND userGet='{to}');";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }

    public static bool addFriend(string from, string to)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"INSERT INTO friendship (userSend, userGet, status) VALUES
('{from}', '{to}', '1');";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }

    public static bool rejectFriend(string from, string to)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

```

```

        string SqlQuer = $"UPDATE friendship SET status = '4' WHERE (userSend='{from}'
AND userGet='{to}')";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }

    public static bool deleteFriend(string from, string to)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"DELETE FROM friendship WHERE ((userSend='{from}' AND
userGet='{to}') or (userSend='{to}' AND userGet='{from}'))";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }

    //The method returns all of the friends requests the user has
    public static List<string> getReq(string ID)
    {
        string connectionString = DB.connection;

```

```

        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT users.userName FROM `netflix&me`.friendship
            inner join users on users.ID = friendship.userSend
            where friendship.userGet='{ ID}' and friendship.status=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        List<string> names = new List<string>();
        while (r.Read())
        {
            names.Add(r.GetValue(0).ToString());
        }
        con.Close();
        return names;
    }

    //The method returns the list of all the user friends
    public static List<string> getFriends(string ID, string username)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT users.userName FROM `netflix&me`.friendship
            inner join users on (users.ID = friendship.userGet or users.ID =
friendship.userSend)
            where (friendship.userGet='{ID}' or friendship.userSend='{ID}')) and
(friendship.status=3) and users.userName!='{username}';";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        List<string> names = new List<string>();

        while (r.Read())
        {

```

```

        names.Add(r.GetValue(0).ToString());
    }

    con.Close();

    return names;
}

//The method returns the list of all the user pending friend requests
public static List<string> getFriendsAsked(string ID, string username)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"SELECT users.userName FROM `netflix&me`.friendship
        inner join users on (users.ID = friendship.userGet or users.ID =
friendship.userSend)
        where (friendship.userGet='{ID}' or friendship.userSend='{ID}')) and
(friendship.status=3 or friendship.status=1) and users.userName!='{username}';";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    MySqlDataReader r = cmd.ExecuteReader();

    List<string> names = new List<string>();

    while (r.Read())
    {
        names.Add(r.GetValue(0).ToString());
    }

    con.Close();

    return names;
}

public static List<string> getAllUsers(string ID)

```

```

{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"SELECT userName FROM `netflix&me`.users
                        where users.ID != '{ID}';";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    MySqlDataReader r = cmd.ExecuteReader();

    List<string> names = new List<string>();

    while (r.Read())
    {
        names.Add(r.GetValue(0).ToString());
    }

    con.Close();

    return names;
}

//The method return all of the users who are not the user friends
public static List<string> getNonFriends(string ID, string name)
{
    List<string> allUsers = getAllUsers(ID);

    List<string> Friends = getFriendsAsked(ID, name);

    List<string> nonFriends = new List<string>();

    bool found = false;

    foreach(string u in allUsers)
    {
        found = false;

        foreach(string f in Friends)
        {
            if (u == f)
            {

```

```

        found = true;
    }
}
if (!found)
{
    nonFriends.Add(u);
}
}
return nonFriends;

}
}

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Friends_Me.aspx.cs"
Inherits="Netflix.Friends_Me" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

<!DOCTYPE HTML>

<!--
    Colorized by TEMPLATED
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    Released for free under the Creative Commons Attribution 3.0 license
    (templated.co/license)
-->

<html>
<head runat="server">
    <title>Netflix&&Me</title>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <meta name="description" content="" />
    <meta name="keywords" content="" />

```



```

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

```

```

<div class="container">

    <!-- Nav -->

    <nav id="nav">

        <ul>

            <li ><a
href="Homepage.aspx">Homepage</a></li>

            <li ><a href="Add_Movie.aspx">Add
Movie</a></li>

            <li ><a href="addSeries.aspx">Add
Series</a></li>

            <li><a
href="favorits.aspx">Favorites</a></li>

            <li
class="active"><asp:DropDownList ID="DropDownList2" runat="server"
AutoPostBack="True" OnSelectedIndexChanged="DropDownList2_SelectedIndexChanged">
                <asp:ListItem Value="Friends_Me.aspx"> Choose </asp:ListItem>
                <asp:ListItem Selected="True"
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
                <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
                <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
            </asp:DropDownList></li>

            <li ><a href="Update.aspx">Update
Personal Info</a></li>

            <li ><a
href="forum.aspx">Forum</a></li>

            <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

            <li ><a
href="Trailers.aspx">Trailers</a></li>

            <li><a
href="personal_page.aspx">My Profile</a></li>

```

```

                                <li ><a
href="Login.aspx">Logout</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">

                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">
                                            <div class="12u">
                                                <section>
                                                    <header>

                                                        <h2>Welcome!</h2>

                                                    </header>
                                                    <div>
                                                        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                                                        <br />

                                                        <br />
                                                        <asp:Label ID="Label1" runat="server" Text="Search your friend
username to view their favourites or match with your favourites"></asp:Label>

```

```

        <br />
        <asp:DropDownList ID="DropDownList1" runat="server"
AutoPostBack="True" OnSelectedIndexChanged="changed" >
        </asp:DropDownList>
        <br />
        <br />
        <asp:Label
ID="friendName" runat="server" Visible="False"></asp:Label>
        <br />
        <br />
        <br />
        &nbsp;<asp:Button ID="Match" runat="server" Text="Both Like!" OnClick="Match_Click"
CssClass="button"/>
        <asp:Button
ID="Fav" runat="server" Text="Their Favourites" OnClick="Fav_Click" CssClass="button"/>
        <br /><br /><br />
        <div
style="float:right; width:550px">
        <asp:Label
ID="content" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>
        </div>
        <div
style="float:left; width:200px">
        <asp:Label
ID="photos" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>
        </div>
        </div>
</section>

```

```

        </div>
    </div>

</div>
<!-- /Main Content -->

</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

</div>

</div>

</div>
</div>
<!-- /Footer -->
<!-- Copyright -->

</form>
</body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;

```

```

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Friends_Me : System.Web.UI.Page
    {

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }

            CurrentUser currentUser = (CurrentUser)Session["user"];
            username.Text = "Hello " + currentUser.getUsername();
            friendName.Text = DropDownList1.SelectedValue;
            content.Text = "";
            photos.Text = "";

            if (!Page.IsPostBack)
            {
                List<string> friendsNames = friends.getFriends(currentUser.getID(),
currentUser.getUsername());

                ListItem l = new ListItem("Choose Friend", "0");
                DropDownList1.Items.Add(l);

                foreach (string name in friendsNames)

```

```

    {
        l = new ListItem(name, name);
        DropDownList1.Items.Add(l);
    }
}

}

//What the current user and his selected friend has in common
protected void Match_Click(object sender, EventArgs e)
{

    content.Text = "";
    photos.Text = "";

    CurrentUser currentUser = (CurrentUser)Session["user"];
    CurrentUser friend = Users.FindByName(DropDownList1.SelectedValue);

    List<string> friendsNames = friends.getFriends(currentUser.getID(),
currentUser.getUsername());

    if (friendsNames.Contains(friendName.Text))
    {

        List<movie> m = lists.getFriendsMatchMovies(currentUser.getID(), friend.getID());

        List<series> s = lists.getFriendsMatchSeries(currentUser.getID(), friend.getID());

        foreach (movie movies in m)
        {

            content.Text += "<br/>About the movie:<br/>Description:" + movies.getDes() +
"<br/>" + "Minutes long:" + movies.getLong() + "<br/>" + "Relesed on:" + movies.getRele() +
" <br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/>";

            photos.Text += movies.getName() + " <br/> " + "" + "<br/><br/><br/>";

        }

        foreach (series series in s)
        {

```

```

        content.Text += "<br/>About the series:<br/>Description:" + series.getDes() +
"<br/>" + "Num of episodes:" + series.getLong() + "<br/>" + "Relesed on:" + series.getRele()
+ " <br/><br/><br/><br/><br/><br/><br/><br/><br/>";

```

```

        photos.Text += series.getName() + " <br/> " + "<br/><br/>";

```

```

    }

```

```

}

```

```

else

```

```

{

```

```

    content.Text = "This user is not on your friends list!";

```

```

}

```

```

}

```

```

//The friend favourits

```

```

protected void Fav_Click(object sender, EventArgs e)

```

```

{

```

```

    content.Text = "";

```

```

    photos.Text = "";

```

```

    CurrentUser currentUser = (CurrentUser)Session["user"];

```

```

    CurrentUser friend = Users.FindByName(DropDownList1.SelectedValue);

```

```

    List<string> friendsNames = friends.getFriends(currentUser.getID(),
currentUser.getUsername());

```

```

    if (friendsNames.Contains(friendName.Text))

```

```

    {

```

```

        List<movie> m = Favorits.GetMovies(friend.getID());

```

```

        List<series> s = Favorits.GetSeries(friend.getID());

```

```

        foreach (movie movies in m)

```

```

        {

```

```

            content.Text += "<br/>About the movie:<br/>Description:" + movies.getDes() +
"<br/>" + "Minutes long:" + movies.getLong() + "<br/>" + "Relesed on:" + movies.getRele() +
" <br/><br/><br/><br/><br/><br/><br/><br/><br/>";

```



```

        photos.Text += movies.getName() + " <br/> " + "" + "<br/><br/><br/>";

    }

    foreach (series series in s)
    {

        content.Text += "<br/>About the series:<br/>Description:" + series.getDes() +
"<br/>" + "Num of episodes:" + series.getLong() + "<br/>" + "Released on:" + series.getRele()
+ " <br/><br/><br/><br/><br/><br/><br/><br/>";

        photos.Text += series.getName() + " <br/> " + "" + "<br/><br/><br/>";

    }

}

else
{

    content.Text = "This user is not on your friends list!";

}

}

protected void changed(object sender, EventArgs e)
{

    friendName.Text = DropDownList1.SelectedValue;

}

protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
{

    if(DropDownList2.SelectedValue != "Friends_Me.aspx")

        Server.Transfer(DropDownList2.SelectedValue);

}

}

}using System;

```

```

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public static class handler
    {
        public static bool IsAvailable()
        {
            try
            {
                MySqlConnection conn = new MySqlConnection(DB.connection);
                conn.Open();
                conn.Close();
            }
            catch (MySqlException)
            {
                return false;
            }

            return true;
        }
    }
}

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Homepage.aspx.cs"
Inherits="Netflix.Homepage" %>

```

```
<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>
```

```
<!DOCTYPE HTML>
```

```
<!--
```

```
    Colorized by TEMPLATED
```

```
    templated.co @templatedco
```

```
    Released for free under the Creative Commons Attribution 3.0 license
    (templated.co/license)
```

```
-->
```

```
<html>
```

```
<head runat="server">
```

```
    <title>Netflix&&Me</title>
```

```
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
```

```
    <meta name="description" content="" />
```

```
    <meta name="keywords" content="" />
```

```
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
```

```
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
```

```
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
```

```
    <script src="js/skel.min.js"></script>
```

```
    <script src="js/skel-panels.min.js"></script>
```

```
    <script src="js/init.js"></script>
```

```
    <noscript>
```

```
        <link rel="stylesheet" href="css/skel-noscript.css" />
```

```
        <link rel="stylesheet" href="css/style.css" />
```

```
        <link rel="stylesheet" href="css/style-desktop.css" />
```

```
    </noscript>
```

```
    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
```

```
    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->
```

```

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

        <div class="container">

            <!-- Nav -->

            <nav id="nav">

                <ul>

                    <li class="active"><a

href="Homepage.aspx">Homepage</a></li>

                    <li ><a href="Add_Movie.aspx">Add

Movie</a></li>

                    <li ><a href="addSeries.aspx">Add

Series</a></li>

                    <li><a

href="favorites.aspx">Favorites</a></li>

                    <li><asp:DropDownList

ID="DropDownList1" runat="server"

OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">

```

```

        <asp:ListItem Selected="True" Value="Homepage.aspx"> Choose
    </asp:ListItem>

        <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>

        <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

        <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>

        <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>

    </asp:DropDownList></li>

    <li ><a href="Update.aspx">Update
Personal Info</a></li>

    <li ><a
href="forum.aspx">Forum</a></li>

    <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

    <li ><a
href="Trailers.aspx">Trailers</a></li>

    <li><a
href="personal_page.aspx">My Profile</a></li>

    <li ><a
href="Login.aspx">Logout</a></li>

</ul>

</nav>

</div>

</div>

<!-- Header -->

<!-- Banner -->

<div id="banner">

    <div class="container">

        </div>

    </div>

</div>

<!-- /Banner -->

<!-- Main -->

```

```

<div id="main">

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="12u">
                <section>
                    <header>

                        <h2>Welcome!</h2>

                    </header>
                    <div>
                        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                        <br /><br /><br />
                        <div style="float:
right; width:300px">

                            <asp:PlaceHolder ID="PlaceHolder1" runat="server"></asp:PlaceHolder>

                        </div>
                        <div style="float:
right; width:550px">

                            <asp:Label
ID="content" runat="server" Font-Bold="True" Font-Size="Large"></asp:Label>

                        </div>
                        <div
style="float:left; width:200px">

                            <asp:Label
ID="photos" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>

                        </div>

```

```

</div>
</section>
</div>
</div>

</div>
<!-- /Main Content -->

</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

</div>

</div>

</div>
<!-- /Footer -->
<!-- Copyright -->

</form>

</body>
</html>

```

using System;

```

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Homepage : System.Web.UI.Page
    {
        /*
         * The method adds like to the selected movie or series.
         * The method decides if the item is movie or series by the command name button
attribute.
         * The method takes the item name from the command argument button attribute.
         */
        protected void likes_Click(object sender, EventArgs e)
        {
            CurrentUser currentUser = (CurrentUser)Session["user"];

            Button b = (Button)sender;

            if (b.CommandName == "movie")
            {
                likes.addLikeMovies(b.CommandArgument, currentUser.getID());
            }

            if (b.CommandName == "series")
            {
                likes.addLikeSeries(b.CommandArgument, currentUser.getID());
            }
        }
        /*

```



```

* The method deletes the like from selected movie or series.

* The method decides if the item is movie or series by the command name button
attribute.

* The method takes the item name from the command argument button attribute.
*/
protected void unlikes_Click(object sender, EventArgs e)
{
    CurrentUser currentUser = (CurrentUser)Session["user"];
    Button b = (Button)sender;
    if (b.CommandName == "movie")
    {
        likes.deleteLikeMovies(b.CommandArgument, currentUser.getID());
    }
    if (b.CommandName == "series")
    {
        likes.deleteLikeSeries(b.CommandArgument, currentUser.getID());
    }
}

protected void Page_Load(object sender, EventArgs e)
{
    if (!handler.IsAvailable())
    {
        Server.Transfer("Error.aspx");
    }
    if (Session["user"] == null)
    {
        Server.Transfer("Login.aspx");
    }
    CurrentUser currentUser = (CurrentUser)Session["user"];
    username.Text = "Hello " + currentUser.getUsername();
    content.Text = "";
}

```

```

photos.Text = "";

List<movie> m = lists.getAllMovies();

List<series> s = lists.getAllSeries();

foreach (movie movies in m)
{
    content.Text += "<br/>About the movie:<br/>Description:" + movies.getDes() +
"<br/>" + "Minutes long:" + movies.getLong() + "<br/>" + "Relesed on:" + movies.getRele() +
" <br/><br/><br/><br/><br/><br/><br/><br/><br/>";

    Button btn = new Button();

    btn.Text = "like!❤️";

    btn.ID = "likes" + movies.getName();

    btn.Click += likes_Click;

    btn.CommandName = "movie";

    btn.CommandArgument = movies.getName();

    btn.CssClass = "button";

    Button btn1 = new Button();

    btn1.CssClass = "button";

    btn1.Text = "unlike!❤️";

    btn1.ID = "unlikes" + movies.getName();

    btn1.Click += unlikes_Click;

    btn1.CommandName = "movie";

    btn1.CommandArgument = movies.getName();

    Label l1 = new Label();

    l1.Text = " <br/><br/><br/><br/><br/><br/>";

    Placeholder1.Controls.Add(l1);

    Placeholder1.Controls.Add(btn);

    Placeholder1.Controls.Add(btn1);

    Label l = new Label();

    l.Text = " <br/><br/><br/><br/><br/><br/><br/>";

    Placeholder1.Controls.Add(l);

    photos.Text += movies.getName() + " <br/> " + "" + "<br/><br/><br/>";

```

```

    }

    foreach (series series in s)
    {
        content.Text += "<br/>About the series:<br/>Description:" + series.getDes() +
"<br/>" + "Num of episodes:" + series.getLong() + "<br/>" + "Relesed on:" + series.getRele()
+ " <br/><br/><br/><br/><br/><br/><br/><br/><br/>";

        Button btn = new Button();

        btn.Text = "like!❤️❏";

        btn.ID = "likes" + series.getName();

        btn.Click += likes_Click;

        btn.CommandName = "series";

        btn.CommandArgument = series.getName();

        btn.CssClass = "button";

        Button btn1 = new Button();

        btn1.CssClass = "button";

        btn1.Text = "unlike!❤️❏";

        btn1.ID = "unlikes" + series.getName();

        btn1.Click += unlikes_Click;

        btn1.CommandName = "series";

        btn1.CommandArgument = series.getName();

        Label l1 = new Label();

        l1.Text = " <br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l1);

        Placeholder1.Controls.Add(btn);

        Placeholder1.Controls.Add(btn1);

        Label l = new Label();

        l.Text = "<br/><br/><br/><br/><br/><br/><br/><br/>";

        Placeholder1.Controls.Add(l);

        photos.Text += series.getName() + " <br/> " + "" + "<br/><br/><br/>";

    }

```

```

    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (DropDownList1.SelectedValue != "Homepage.aspx")
            Server.Transfer(DropDownList1.SelectedValue);
    }

}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public class likes
    {
        public static bool addLikeSeries(string name, string userID)
        {
            string connectionString = DB.connection;
            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT id FROM serieses
                                WHERE name='{name}'";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            MySqlDataReader r = cmd.ExecuteReader();

```

```

        r.Read();

        object[] vals = new object[1];

        r.GetValues(vals);

        int id = ((int)vals[0]);


        con.Close();

        con = new MySqlConnection(connectionString);

        SqlQuer = $"INSERT INTO saveseries (`like`, `seriesID`, `userId`)

                VALUES ('1', '{id}', '{userId}')";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)

        {

            return false;

        }

        return true;

    }

    public static bool addLikeMovies(string name, string userID)

    {

        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"SELECT id FROM movies

                WHERE name='{name}'";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        MySqlDataReader r = cmd.ExecuteReader();

        r.Read();

```

```

        object[] vals = new object[1];
        r.GetValues(vals);
        int id = ((int)vals[0]);

        con.Close();
        con = new MySqlConnection(connectionString);
        SqlQuer = $"INSERT INTO savemovies (`like`, `movieID`, `userId`)
                VALUES ('1', '{id}', '{userID}')";
        cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        int res = cmd.ExecuteNonQuery();
        con.Close();
        if (res == 0)
        {
            return false;
        }
        return true;
    }

    public static bool deleteLikeSeries(string name, string userID)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT id FROM serieses
                WHERE name='{name}'";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();
        object[] vals = new object[1];
        r.GetValues(vals);

```

```

        int id = ((int)vals[0]);

        con.Close();
        con = new MySqlConnection(connectionString);
        SqlQuer = $"DELETE FROM saveseries WHERE userID='{userID}' AND seriesID={id}";
        cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        int res = cmd.ExecuteNonQuery();
        con.Close();
        if (res == 0)
        {
            return false;
        }
        return true;
    }

    public static bool deleteLikeMovies(string name, string userID)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT id FROM movies
            WHERE name='{name}'";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();
        object[] vals = new object[1];
        r.GetValues(vals);
        int id = ((int)vals[0]);

        con.Close();

```

```

        con = new MySqlConnection(connectionString);

        SqlQuer = $"DELETE FROM savemovies WHERE userID='{userID}' AND
movieID={id}";

        cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;

    }
}

}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public class lists
    {
        public static bool addSeries(string name, string desc, string photo, string releseDate, int
numOfEpisodes)
        {
            string connectionString = DB.connection;

```



```

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"INSERT INTO `netflix&me`.`serieses` (name, description,
releaseDate, numOfEpisodes, photo)

            VALUES ('{name}', '{desc}', '{releaseDate}', '{numOfEpisodes}', '{photo}')";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }

    public static bool addMovie(string name, string desc, string photo, string releaseDate, int
longM)
    {
        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"INSERT INTO `netflix&me`.`movies` (name, description,
releaseDate, longM, photo)

            VALUES ('{name}', '{desc}', '{releaseDate}', '{longM}', '{photo}')";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        int res = cmd.ExecuteNonQuery();

        con.Close();

        if (res == 0)
        {
            return false;
        }

        return true;
    }
}

```

```

public static List<movie> getAllMovies()
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT name FROM `netflix&me`.`movies`";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    List<movie> movies = new List<movie>();
    while (r.Read())
    {
        movies.Add(new movie(r.GetValue(0).ToString()));
    }
    con.Close();
    return movies;
}

public static List<series> getAllSeries()
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT name FROM `netflix&me`.`serieses`";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    List<series> series = new List<series>();
    while (r.Read())
    {
        series.Add(new series(r.GetValue(0).ToString()));
    }
    con.Close();
    return series;
}

```

```

}
/*
The method returns all the serieses two users has in common
*/
public static List<series> getFriendsMatchSeries(string userID, string friendID)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT serieses.name
                        FROM saveseries
                        INNER JOIN serieses ON saveseries.seriesID=serieses.id
                        WHERE userID='{userID}' AND serieses.name in (
                        SELECT serieses.name
                        FROM saveseries
                        INNER JOIN serieses ON saveseries.seriesID=serieses.id
                        WHERE userID='{friendID}');"

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    List<series> series = new List<series>();
    while (r.Read())
    {
        series.Add(new series(r.GetValue(0).ToString()));
    }
    con.Close();
    return series;
}
/*

```

The method returns all the movies two users has in common

```

*/
public static List<movie> getFriendsMatchMovies(string userID, string friendID)

```

```

{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"SELECT movies.name
        FROM savemovies
        INNER JOIN movies ON savemovies.movieID=movies.id
        WHERE userID='{userID}' AND movies.name in (
        SELECT movies.name
        FROM savemovies
        INNER JOIN movies ON savemovies.movieID=movies.id
        WHERE userID='{friendID}');"

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    List<movie> movies = new List<movie>();
    while (r.Read())
    {
        movies.Add(new movie(r.GetValue(0).ToString()));
    }
    con.Close();
    return movies;
}
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Login.aspx.cs"
Inherits="Netflix.Login" %>

```

<!DOCTYPE HTML>

<!--

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(templated.co/license)

-->

<html>

<head runat="server">

<title>Netflix&&Me</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<meta name="description" content="" />

<meta name="keywords" content="" />

<link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

<script src="js/skel.min.js"></script>

<script src="js/skel-panels.min.js"></script>

<script src="js/init.js"></script>

<noscript>

<link rel="stylesheet" href="css/skel-noscript.css" />

<link rel="stylesheet" href="css/style.css" />

<link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

<form id="form1" runat="server">

<!-- Header -->

<div id="header">

<div id="logo-wrapper">

<div class="container">

```

                                <!-- Logo -->
                                <div id="logo">
                                    <h1><a href="#">Netflix &&
Me</a></h1>
                                    <span>Just for You</span>
                                </div>

                                </div>
                            </div>
                        <div class="container">
                            <!-- Nav -->
                            <nav id="nav">
                                <ul>
                                    <li class="active"><a
href="Login.aspx">Login</a></li>
                                    <li ><a href="SignUp.aspx">Sign
Up</a></li>
                                    <li ><a
href="AdminLogin.aspx">Admins Login</a></li>
                                </ul>
                            </nav>
                        </div>
                    </div>
                <!-- Header -->
                <!-- Banner -->
                <div id="banner">
                    <div class="container">
                        </div>
                    </div>
                </div>
                <!-- /Banner -->
                <!-- Main -->

```

```

<div id="main">

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="12u">
                <section>
                    <header>
                        <h2>Login</h2>
                    </header>
                    <div>
                        Username:
<asp:TextBox ID="Username" runat="server" Width="499px"
BorderStyle="Solid"></asp:TextBox>

                        <br />
                        <br />
                        Password:
                        <asp:TextBox ID="password" runat="server" Width="502px"
BorderStyle="Solid" TextMode="Password" ></asp:TextBox>

<asp:ImageButton ID="ImageButton1" runat="server" ImageUrl="https://pngimage.net/wp-
content/uploads/2018/06/view-png-icon-6.png" Height="22px" Width="19px"
ImageAlign="Middle" OnClick="ImageButton1_Click" />

                    <br />
                    &nbsp;

                </div>
            </div>
        </div>
    </div>

```

```

                                <asp:Button ID="forgot"
runat="server" Text="Forgot password?" BackColor="White" BorderStyle="None"
ForeColor="#0000CC" OnClick="forgot_Click" Width="124px" />

                                <br />

                                <br />

                                <asp:Button ID="Button1"
runat="server" Text="Login!" OnClick="Button1_Click" CssClass="button"/>

                                <p>

                                <asp:Label ID="Res"
runat="server" ForeColor="Red"></asp:Label>

                                </p>

                                </section>

                                </div>

                                </div>

                                </div>

                                <!-- /Main Content -->

                                </div>

                                <!-- /Main -->

                                <!-- Footer -->

                                <div id="footer">

                                    <div class="container">

                                        <div class="row">

                                            </div>

                                        </div>

                                    </div>

                                </div>

                                </div>

                                <!-- /Footer -->

                                <!-- Copyright -->

```



```

        </form>
    </body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;
namespace Netflix
{
    public partial class Login : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
            if (Page.IsPostBack)
            {
                string input = password.Text;
                password.TextMode = TextBoxMode.Password;
                password.Attributes.Add("value", input);
            }
            else
            {

```

```

        statistics.addViews();
    }
}

protected void Button1_Click(object sender, EventArgs e)
{
    string userName = Username.Text;
    string Password = password.Text;

    CurrentUser res = Users.Login(userName, Password);
    if(res != null)
    {
        Session["user"] = res;
        Server.Transfer("Homepage.aspx");
    }
    else
    {
        Res.Text = "User Does Not Exist";
    }
}

//protected void CheckBox1_CheckedChanged(object sender, EventArgs e)
//{
//    string input = password.Text;
//    if (CheckBox1.Checked)
//    {
//        password.TextMode = TextBoxMode.SingleLine;
//        password.Text = input;
//    }
//    if (CheckBox1.Checked == false)
//    {

```

```

//    password.TextMode = TextBoxMode.Password;
//    password.Text = input;
// }
//}

protected void forgot_Click(object sender, EventArgs e)
{
    Server.Transfer("Fogot.aspx");
}

protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
{
    string input = password.Text;
    if (ImageButton1.ImageUrl == DB.show)
    {
        ImageButton1.ImageUrl = DB.hide;
        password.TextMode = TextBoxMode.SingleLine;
        password.Text = input;
    }
    else
    {
        ImageButton1.ImageUrl = DB.show;
        password.TextMode = TextBoxMode.Password;
        password.Text = input;
    }
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

```

```

using System.Net.Mail;

using System.Net;

using System.Net.Mime;

using System.IO;

namespace Netflix
{
    public class Mail
    {
        /*
         * The method sends mail message to a user mail
         * input: the user mail, the message bode, the message subject
         */
        public static void sendMsg(string to, string msg, string sub)
        {
            MailAddress Mto = new MailAddress(to);

            MailAddress from = new MailAddress("netflix.and.me4u@gmail.com");

            MailMessage message = new MailMessage(from, Mto);

            message.Subject = sub;

            string path = "~/logo.png";

            string body = $"<h1>{msg} </h1> <br/>";

            message.Body = body;

            message.IsBodyHtml = true;

            Attachment data = new Attachment(HttpContext.Current.Server.MapPath(path));

            // Add time stamp information for the file.

            ContentDisposition disposition = data.ContentDisposition;

            disposition.CreationDate = System.IO.File.GetCreationTime(path);

            disposition.ModificationDate = System.IO.File.GetLastWriteTime(path);

            disposition.ReadDate = System.IO.File.GetLastAccessTime(path);

            // Add the file attachment to this email message.

```

```

        message.Attachments.Add(data);

        SmtpClient client = new SmtpClient();

        client.UseDefaultCredentials = false;

        client.Credentials = new NetworkCredential("netflix.and.me4u@gmail.com",
"yovel2003");

        client.Host = "smtp.gmail.com";

        client.Port = 587;

        client.DeliveryMethod = SmtpDeliveryMethod.Network;

        client.EnableSsl = true;

        try
        {
            client.Send(message);
        }
        catch
        {

        }

    }
}

}using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

namespace Netflix
{
    public class message
    {

```

```

private string author;
private string msg;

public string getAuthor()
{
    return this.author;
}

public void setAutor(string author)
{
    this.author = author;
}

public string getMsg()
{
    return this.msg;
}

public void setMsg(string msg)
{
    this.msg = msg;
}

public message(string author, string message)
{
    this.msg = message;
    this.author = author;
}
}

}using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

```

```

namespace Netflix
{
    public class movie
    {
        private string name;
        public string getName()
        {
            return name;
        }
        public void setName(string name)
        {
            this.name = name;
        }
        private string description;
        public string getDes()
        {
            return this.description;
        }
        public void setDes(string des)
        {
            this.description = des;
        }
        private int longMovie;
        public int getLong()
        {
            return longMovie;
        }
        public void setLong(int longM)
        {
            this.longMovie = longM;
        }
    }
}

```

```

    }

    private int ID;

    public int getID()
    {
        return this.ID;
    }

    public void setID(int ID)
    {
        this.ID = ID;
    }

    private string image;

    public string getImage()
    {
        return this.image;
    }

    public void setImage(string image)
    {
        this.image = image;
    }

    private string releseDate;

    public string getRele()
    {
        return this.releseDate;
    }

    public void setRele(string reles)
    {
        this.releseDate = reles;
    }

    public movie(string name)
    {

```



```

        this.name = name;

        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT      id, photo, description, longM, releseDate
                                FROM      movies
                                WHERE     (name = '{name}')";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();
        object[] vals = new object[5] ;
        r.GetValues(vals);
        this.setID ( (int)vals[0]);
        this.image = vals[1].ToString();
        this.description = vals[2].ToString();
        this.longMovie = (int)vals[3];
        this.releseDate = vals[4].ToString();
        con.Close();

    }
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="personal_page.aspx.cs"
Inherits="Netflix.personal_page" %>

```

<!DOCTYPE HTML>

<!--

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```

-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

```

```

Me</a></h1>
<h1><a href="#">Netflix &&
<span>Just for You</span>
</div>
</div>
</div>
<div class="container">
<!-- Nav -->
<nav id="nav">
<ul>
<li ><a
href="Homepage.aspx">Homepage</a></li>
<li ><a href="Add_Movie.aspx">Add
Movie</a></li>
<li ><a href="addSeries.aspx">Add
Series</a></li>
<li><a
href="favorites.aspx">Favorites</a></li>
<li><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
<asp:ListItem Selected="True" Value="personal_page.aspx"> Choose
</asp:ListItem>
<asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
<asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
<asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
<asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
</asp:DropDownList></li>

```

```

Personal Info</a></li>
                                <li ><a href="Update.aspx">Update
                                </li>
                                <li ><a
                                href="forum.aspx">Forum</a></li>
                                <li ><a
                                href="ContactAdmin.aspx">Contact Us</a></li>
                                <li ><a
                                href="Trailers.aspx">Trailers</a></li>
                                <li class="active"><a
                                href="personal_page.aspx">My Profile</a></li>
                                <li ><a
                                href="Login.aspx">Logout</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">
                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">
                                            <div class="12u">
                                                <section>
                                                    <header>

```



```

        <div >

            <asp:Image ID="profile" runat="server"
Height="193px" Width="304px" />

            <br />

            <asp:Button ID="remove" runat="server" Text="Remove Profile Picture"
Width="303px" CssClass="button" OnClick="remove_Click" />

            <br />

            <br />

            <br />

            <asp:FileUpload ID="FileUpload1" runat="server" BorderStyle="None"
Width="303px" />

            <br />

            <asp:Button ID="upload" runat="server" Text="Upload Profile Picture"
Width="303px" CssClass="button" OnClick="upload_Click" />

            <br />

        </div>

    </header>

</section>

</div>

</div>

```

```
</div>
<!-- /Main Content -->
```

```
</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">
```

```
</div>
```

```
</div>
</div>
<!-- /Footer -->
<!-- Copyright -->
```

```
</form>
```

```
</body>
```

```
</html>using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;
```

```

namespace Netflix
{
    public partial class personal_page : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }

            CurrentUser currentUser = (CurrentUser)Session["user"];

            username.Text = "Hello " + currentUser.getUsername();

            profile.ImageUrl = "data:image;base64," +
Convert.ToBase64String(Users.getImageById(currentUser.getID()));

            mail.Text = Users.getMailById(currentUser.getID());

            phone.Text = Users.getPhoneById(currentUser.getID());

            sumFr.Text = friends.getFriends(currentUser.getID(),
currentUser.getUsername()).Count.ToString();

            sumReq.Text = friends.getReq(currentUser.getID()).Count.ToString();

        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {
            if (DropDownList1.SelectedValue != "personal_page.aspx")
                Server.Transfer(DropDownList1.SelectedValue);
        }
    }
}

```



```
protected void remove_Click(object sender, EventArgs e)
{
    CurrentUser currentUser = (CurrentUser)Session["user"];
    byte[] image = { 0};
    Users.updatephoto(currentUser.getID(), image);
    Server.Transfer("personal_page.aspx");
}
```

```
protected void upload_Click(object sender, EventArgs e)
{
    if (FileUpload1.HasFile)
    {
        CurrentUser currentUser = (CurrentUser)Session["user"];
        Stream im = FileUpload1.PostedFile.InputStream;
        BinaryReader br = new BinaryReader(im);

        byte[] image = br.ReadBytes((Int32)im.Length);
        byte[] imag = FileUpload1.FileBytes;
        Users.updatephoto(currentUser.getID(), imag);
        Server.Transfer("personal_page.aspx");
    }
}
```

```
protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
{
    Server.Transfer("ViewFriends.aspx");
}
```

```
protected void ImageButton2_Click(object sender, ImageClickEventArgs e)
{
```

```

        Server.Transfer("ViewRequests.aspx");
    }
}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using Twilio;
using Twilio.Types;
using Twilio.Rest.Api.V2010.Account;

namespace Netflix
{
    public class Phone
    {
        public static void sendPass(string userID)
        {
            string phoneNum = Users.getPhoneById(userID);

            var accountSid = "AC78198f21b3d73ce35d3c00aa209f0dad";
            var authToken = "1b9d587cdd9343da5b1d6f6fb0b1a49f";
            TwilioClient.Init(accountSid, authToken);

            string country = "+972";
            string phone = "whatsapp:" + country + phoneNum.Substring(1);
            var messageOptions = new CreateMessageOptions(
                new PhoneNumber(phone));
            messageOptions.From = new PhoneNumber("whatsapp:+14155238886");
            string password = Membership.GeneratePassword(7, 3);
            messageOptions.Body = "Your password is: *" + password + "*";
            Users.ChangePass(userID, password);
        }
    }
}

```

```

        var message = MessageResource.Create(messageOptions);
    }
}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public class series
    {
        private string name;
        public string getName()
        {
            return name;
        }
        public void setName(string name)
        {
            this.name = name;
        }
        private string description;
        public string getDes()
        {
            return this.description;
        }
        public void setDes(string des)
        {
            this.description = des;
        }
    }
}

```

```

private int numOfEpisodes;

public int getLong()
{
    return numOfEpisodes;
}

public void setLong(int longS)
{
    this.numOfEpisodes = longS;
}

private int ID;

public int getID()
{
    return this.ID;
}

public void setID(int ID)
{
    this.ID = ID;
}

private string image;

public string getImage()
{
    return this.image;
}

public void setImage(string image)
{
    this.image = image;
}

private string releseDate;

public string getRele()
{
    return this.releseDate;
}

```

```

    }

    public void setRele(string rele)
    {
        this.releseDate = rele;
    }

    public series(string name)
    {
        this.name = name;

        string connectionString = DB.connection;

        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT    id, photo, description, numOfEpisodes, releseDate
                                FROM      serieses
                                WHERE    (name = '{name}')";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();
        object[] vals = new object[5] ;
        r.GetValues(vals);
        this.setID ( (int)vals[0]);
        this.image = vals[1].ToString();
        this.description = vals[2].ToString();
        this.numOfEpisodes = (int)vals[3];
        this.releseDate = vals[4].ToString();
        con.Close();

    }
}

```

```
}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="SignUp.aspx.cs"
Inherits="Netflix.SignUp" %>
```

```
<!DOCTYPE HTML>
```

```
<!--
```

```
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```

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```

```
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    (templated.co/license)
```

```
-->
```

```
<html>
```

```
<head runat="server">
```

```
    <title>Netflix&&Me</title>
```

```
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
```

```
    <meta name="description" content="" />
```

```
    <meta name="keywords" content="" />
```

```
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
```

```
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
```

```
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
```

```
    <script src="js/skel.min.js"></script>
```

```
    <script src="js/skel-panels.min.js"></script>
```

```
    <script src="js/init.js"></script>
```

```
    <noscript>
```

```
        <link rel="stylesheet" href="css/skel-noscript.css" />
```

```
        <link rel="stylesheet" href="css/style.css" />
```

```
        <link rel="stylesheet" href="css/style-desktop.css" />
```

```
    </noscript>
```

```
    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
```

```
    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->
```

```
</head>
```

```

<body>
    <form id="form1" runat="server">
        <!-- Header -->
        <div id="header">
            <div id="logo-wrapper">
                <div class="container">

                    <!-- Logo -->
                    <div id="logo">
                        <h1><a href="#">Netflix &&
Me</a></h1>

                        <span>Just for You</span>
                    </div>

                </div>
            </div>
        </div>
        <div class="container">
            <!-- Nav -->
            <nav id="nav">
                <ul>

                    <li><a
href="Login.aspx">Login</a></li>

                    <li class="active"><a
href="SignUp.aspx">Sign Up</a></li>

                    <li ><a
href="AdminLogin.aspx">Admins Login</a></li>

                </ul>
            </nav>
        </div>
    </div>
    <!-- Header -->

```



```

        <!-- Footer -->
        <div id="footer">
            <div class="container">
                <div class="row">

                    </div>

                </div>
            </div>
        <!-- /Footer -->
        <!-- Copyright -->

    </form>

</body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class SignUp : System.Web.UI.Page
    {

```

```

protected void Page_Load(object sender, EventArgs e)
{
    if (!handler.IsAvailable())
    {
        Server.Transfer("Error.aspx");
    }
    if (Page.IsPostBack)
    {
        string input = password.Text;
        password.TextMode = TextBoxMode.Password;
        password.Attributes.Add("value", input);
    }
    else
    {
        statistics.addViews();
    }
}

protected void Button1_Click(object sender, EventArgs e)
{
    CurrentUser res = Users.SignUP(username.Text, id.Text, password.Text, mail.Text,
date.Text, phone.Text);

    if (res != null)
    {
        Res.Text = res.ToString();
        Session["user"] = res;
        Mail.sendMsg(Users.getMailById(res.getID()), "Thank you for your subscription to
Netflix&&Me", "Welcome");
        statistics.addUser();
        Server.Transfer("Homepage.aspx");
    }
}

```

```

else
{
    Res.Text = "Can't Create User";
}
}

```

```

protected void ImageButton1_Click(object sender, ImageClickEventArgs e)
{
    string input = password.Text;
    if (ImageButton1.ImageUrl == DB.show)
    {
        ImageButton1.ImageUrl = DB.hide;
        password.TextMode = TextBoxMode.SingleLine;
        password.Text = input;
    }
    else
    {
        ImageButton1.ImageUrl = DB.show;
        password.TextMode = TextBoxMode.Password;
        password.Text = input;
    }
}
}

```

```

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="statistics.aspx.cs"
Inherits="Netflix.statistics1" %>

```

<!DOCTYPE HTML>

<!--

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-->

<html>

<head runat="server">

<title>Netflix&&Me</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<meta name="description" content="" />

<meta name="keywords" content="" />

<link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

<!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

<script src="js/skel.min.js"></script>

<script src="js/skel-panels.min.js"></script>

<script src="js/init.js"></script>

<noscript>

<link rel="stylesheet" href="css/skel-noscript.css" />

<link rel="stylesheet" href="css/style.css" />

<link rel="stylesheet" href="css/style-desktop.css" />

</noscript>

<!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

<!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

<form id="form1" runat="server">

<!-- Header -->

<div id="header">

<div id="logo-wrapper">

<div class="container">

```

Me</a></h1>

<!-- Logo -->
<div id="logo">
    <h1><a href="#">Netflix &&
    <span>Just for You</span>
</div>

</div>
</div>
<div class="container">
    <!-- Nav -->
    <nav id="nav">
        <ul>

            <li ><a
href="DeleteUsers.aspx">Remove Users From System</a></li>

            <li ><a
href="deleteMS.aspx">Delete Movies and Serieses</a></li>

            <li class ="active"><a
href="statistics.aspx">View website statistics</a></li>

            <li ><a
href="AdminForum.aspx">Forum</a></li>

            <li ><a
href="AdminLogin.aspx">Logout</a></li>

        </ul>
    </nav>
</div>
</div>
<!-- Header -->
<!-- Banner -->
<div id="banner">
    <div class="container">

```



```

ID="series" runat="server" Text="Label"></asp:Label>
<br />
</div>
<br />
</section>
</div>
</div>
</div>
</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">
            <div>
                </div>
            </div>
        </div>
    </div>
    <!-- /Footer -->
    <!-- Copyright -->
</form>
</body>
</html>

```

using System;


```

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class statistics1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            if (Session["user"] == null)
            {
                Server.Transfer("AdminLogin.aspx");
            }

            CurrentUser currentUser = (CurrentUser)Session["user"];

            username.Text = "Hello " + currentUser.getUsername();

            views.Text = "The website was viewed: " + statistics.getViews() + " times";

            users.Text = statistics.getUsers().ToString() + " Users had registered to the website";

            movies.Text = "The website has " + statistics.getMovies() + " movies";

            series.Text = "The website has " + statistics.getSeries() + " serieses";
        }
    }
}

using System;

using System.Collections.Generic;

using System.Linq;

```

```

using System.Web;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public class statistics
    {
        public static int getViews()
        {
            string connectionString = DB.connection;
            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT views FROM `netflix&me`.statistics where id=1;";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            MySqlDataReader r = cmd.ExecuteReader();
            r.Read();
            int views = int.Parse(r.GetValue(0).ToString());
            con.Close();
            return views;
        }

        public static void addViews()
        {
            string connectionString = DB.connection;
            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"update statistics Set views = views + 1 where id=1;";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            int r = cmd.ExecuteNonQuery();
            con.Close();
        }
    }
}

```

```

public static int getUsers()
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT users FROM `netflix&me`.statistics where id=1;";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    r.Read();
    int views = int.Parse(r.GetValue(0).ToString());
    con.Close();
    return views;
}

public static void addUser()
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"update statistics Set users = users + 1 where id=1;";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    int r = cmd.ExecuteNonQuery();
    con.Close();
}

public static void removeUser()
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"update statistics Set users = users - 1 where id=1;";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
}

```

```

        int r = cmd.ExecuteNonQuery();

        con.Close();
    }

    public static int getSeries()
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT sumSeries FROM `netflix&me`.statistics where id=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();

        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();

        int views = int.Parse(r.GetValue(0).ToString());
        con.Close();

        return views;
    }

    public static void addSeries()
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"update statistics Set sumSeries = sumSeries + 1 where id=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();

        int r = cmd.ExecuteNonQuery();
        con.Close();
    }

    public static void removeSeries()
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);

```

```

        string SqlQuer = $"update statistics Set sumSeries = sumSeries - 1 where id=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        int r = cmd.ExecuteNonQuery();
        con.Close();
    }

    public static int getMovies()
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"SELECT sumMovies FROM `netflix&me`.statistics where id=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        MySqlDataReader r = cmd.ExecuteReader();
        r.Read();
        int views = int.Parse(r.GetValue(0).ToString());
        con.Close();
        return views;
    }

    public static void addMovie()
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"update statistics Set sumMovies = sumMovies + 1 where id=1;";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        int r = cmd.ExecuteNonQuery();
        con.Close();
    }

    public static void removeMovie()

```

```

{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"update statistics Set sumMovies = sumMovies - 1 where id=1;";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    int r = cmd.ExecuteNonQuery();

    con.Close();

}

}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Trailers.aspx.cs"
Inherits="Netflix.Trailers" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

<!DOCTYPE HTML>

<!--
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-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

```

```

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

                        <h1><a href="#">Netflix &&

Me</a></h1>

                        <span>Just for You</span>

                    </div>

                </div>

            </div>

        </div>

```

```

<div class="container">

    <!-- Nav -->

    <nav id="nav">

        <ul>

            <li ><a
href="Homepage.aspx">Homepage</a></li>

            <li ><a href="Add_Movie.aspx">Add
Movie</a></li>

            <li ><a href="addSeries.aspx">Add
Series</a></li>

            <li><a
href="favorites.aspx">Favorites</a></li>

            <li><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
                <asp:ListItem Selected="True" Value="Trailers.aspx"> Choose
</asp:ListItem>

                <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>

                <asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>

                <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>

                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>

            </asp:DropDownList></li>

            <li ><a href="Update.aspx">Update
Personal Info</a></li>

            <li ><a
href="forum.aspx">Forum</a></li>

            <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

            <li class="active"><a
href="Trailers.aspx">Trailers</a></li>

            <li><a
href="personal_page.aspx">My Profile</a></li>

```



```

                                <li ><a
href="Login.aspx">Logout</a></li>
                                </ul>
                                </nav>
                                </div>
                                </div>
                                <!-- Header -->
                                <!-- Banner -->
                                <div id="banner">
                                    <div class="container">
                                        </div>
                                    </div>
                                </div>
                                <!-- /Banner -->
                                <!-- Main -->
                                <div id="main">

                                    <!-- Main Content -->
                                    <div class="container">
                                        <div class="row">
                                            <div class="12u">
                                                <section>
                                                    <header>

                                                        <h2>Welcome!</h2>

                                                    </header>
                                                    <div>
                                                        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                                                        <br />

                                                        <br />
                                                        Choose movie or series to view their trailer :)<br />
                                                        <br />

```

```

        <asp:DropDownList ID="trailer" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="trailer_SelectedIndexChanged" >
        </asp:DropDownList>
        <br />
        <br />
        <asp:Placeholder ID="Placeholder1" runat="server"></asp:Placeholder>
        <br />
        <br />
        <br />
        <asp:HyperLink ID="Linking" runat="server"></asp:HyperLink>
        <br />

```

```

        <asp:Button ID="Download" runat="server" Text="Download Trailer"
cssClass="button" OnClick="Download_Click" Visible="False" />

```

```

        <br />

```

```

        <br />

```

```

        <asp:Label ID="info" runat="server" Text="Share this trailer via
Whatsapp or facebook"></asp:Label>

```

```

        <br />

```

```

        <br />

```

```

        <asp:Image
ID="whatsapp" runat="server" Height="34px"
ImageUrl="https://img.icons8.com/doodle/48/000000/whatsapp.png" Width="40px" />

```

```

        <asp:HyperLink
ID="ShareWhatsapp" runat="server" Font-Size="Large">Share trailer via
Whatsapp</asp:HyperLink>

```

```

        <br />

```

```

        <br />

```

```
        <asp:Placeholder ID="ShareFacebook"
runat="server"></asp:Placeholder>
```

```
    <br />
```

```
</div>
```

```
</section>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- /Main Content -->
```

```
</div>
```

```
<!-- /Main -->
```

```
<!-- Footer -->
```

```
<div id="footer">
```

```
    <div class="container">
```

```
        <div class="row">
```

```
    </div>
```

```
</div>
```

```
</div>
```

```
<!-- /Footer -->
```

```
<!-- Copyright -->
```

```
        </form>
    </body>
</html>
```

```
using Netflix.links;
using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.HtmlControls;
using System.Web.UI.WebControls;
using YoutubeExtractor;
using Microsoft.WindowsAPICodePack.Dialogs;
using System.Threading;
using System.Net;
using VideoLibrary;
using Simplify.Web.MessageBox;
using Simplify.Web.MessageBox.Responses;
using MySql.Data.MySqlClient;
```

```
namespace Netflix
{
    public partial class Trailers : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
```

```

{
    Server.Transfer("Error.aspx");
}

Download.Attributes.Add("onclick", "document.body.style.cursor = 'wait';");

ShareWhatsapp.Visible = false;

ShareFacebook.Visible = false;

whatsapp.Visible = false;

info.Visible = false;

Download.Visible = false;

Linking.Text = "";

if (Session["user"] == null)
{
    Server.Transfer("Login.aspx");
}

CurrentUser currentUser = (CurrentUser)Session["user"];

username.Text = "Hello " + currentUser.getUsername();

if (!Page.IsPostBack)
{
    links.Links link = new links.Links();

    List<string> name = new List<string>(link.names());

    ListItem l = new ListItem("Choose Movie/Series", "Choose Movie/Series");

    trailer.Items.Add(l);

    foreach (string n in name)
    {
        l = new ListItem(n, n);

        trailer.Items.Add(l);
    }
}

```

```

    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (DropDownList1.SelectedValue != "Trailers.aspx")
            Server.Transfer(DropDownList1.SelectedValue);
    }

    protected void trailer_SelectedIndexChanged(object sender, EventArgs e)
    {
        if(trailer.SelectedValue == "Choose Movie/Series")
        {
            Server.Transfer("Trailers.aspx");
        }

        ShareWhatsapp.Visible = true;

        info.Visible = true;

        links.Links link = new links.Links();

        HtmlIframe shareFace = new HtmlIframe();

        shareFace.Src = "https://www.facebook.com/plugins/share_button.php?" + "href=" +
link.getLink(trailer.SelectedValue) +
"&layout=button&size=large&width=77&height=28&appId";

        ShareFacebook.Controls.Add(shareFace);

        ShareFacebook.Visible = true;

        whatsapp.Visible = true;

        ShareWhatsapp.NavigateUrl = "whatsapp://send?text=Look at that Trailer i saw on
NetflixMe - " + link.getLink(trailer.SelectedValue); //When clicking on link - share on
whatsapp

        HtmlIframe i = new HtmlIframe();

        i.Attributes["height"] = "768px";

        i.Attributes["width"] = "1200px";

        i.Attributes["allowfullscreen"] = "allowfullscreen";

        Placeholder1.Controls.Clear();

        string src = "https://www.youtube.com/embed/" + link.getLink(trailer.SelectedValue);

```

```

        i.Src = src;

        Placeholder1.Controls.Add(i);

        Download.Visible = true;

        Linking.NavigateUrl = link.getBrowse(trailer.SelectedValue);

        Linking.Text = "Full Watch";

        Linking.Target = "_blank";

    }

    protected void Download_Click(object sender, EventArgs e)
    {
        links.Links link = new links.Links();

        string url = link.getLink(trailer.SelectedValue);

        Thread thdSyncRead = new Thread(new ThreadStart(dialo)); // Creates new thread
        thdSyncRead.SetApartmentState(ApartmentState.STA);
        thdSyncRead.Start();

        thdSyncRead.Join(); //So the function will resume only after the thread finished

        string path = Session["path"].ToString();

        if(path != "")
        {
            var youTube = YouTube.Default; // starting point for YouTube actions

            var video = youTube.GetVideo(url); // gets a Video object with info about the video

            ScriptManager.RegisterStartupScript(this, this.GetType(), "Messagebox",
            "alert('Video Downloaded!');", true);

            File.WriteAllBytes(path + @"\" + video.FullName, video.GetBytes()); //Download the
            video

        }

        trailer.SelectedValue = "Choose Movie/Series";
    }

```

```

    }

    /*
    * The method opens a dialog to choose a directory to save the video in.
    * The selected path is saved in a session
    */
    private void dialo()
    {
        CommonOpenFileDialog fileDialog = new CommonOpenFileDialog();
        string path = "";
        fileDialog.IsFolderPicker = true;
        fileDialog.InitialDirectory = "C:\\\\Users";
        CommonFileDialogResult result = fileDialog.ShowDialog();

        if (result == CommonFileDialogResult.Ok)
        {
            path = fileDialog.FileName;
        }
        Session["path"] = path;
    }
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Update.aspx.cs"
Inherits="Netflix.Update" %>

<!DOCTYPE HTML>

<!--

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    (templated.co/license)

-->

```



```

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

```

```

Me</a></h1>
<h1><a href="#">Netflix &&
<span>Just for You</span>
</div>
</div>
</div>
<div class="container">
<!-- Nav -->
<nav id="nav">
<ul>
<li ><a
href="Homepage.aspx">Homepage</a></li>
<li ><a href="Add_Movie.aspx">Add
Movie</a></li>
<li ><a href="addSeries.aspx">Add
Series</a></li>
<li><a
href="favorites.aspx">Favorites</a></li>
<li><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
<asp:ListItem Selected="True" Value="Update.aspx"> Choose
</asp:ListItem>
<asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
<asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
<asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
<asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
</asp:DropDownList></li>

```

```

href="Update.aspx">Update Personal Info</a></li>
<li class="active"><a
href="forum.aspx">Forum</a></li>
<li ><a
href="ContactAdmin.aspx">Contact Us</a></li>
<li ><a
href="Trailers.aspx">Trailers</a></li>
<li><a
href="personal_page.aspx">My Profile</a></li>
<li ><a
href="Login.aspx">Logout</a></li>
</ul>
</nav>
</div>
</div>
<!-- Header -->
<!-- Banner -->
<div id="banner">
<div class="container">
</div>
</div>
<!-- /Banner -->
<!-- Main -->
<div id="main">

<!-- Main Content -->
<div class="container">
<div class="row">
<div class="12u">
<section>
<header>

```

[illegible]

Personal Info</h2>

<p>

```
<asp:Label ID="user" runat="server" Text="Label"></asp:Label>
```

</header>

<div>

[illegible]

[illegible]


```
Email:
;
runat="server" Width="600" BorderStyle="Solid"></asp:TextBox>
```

[illegible]

phone

```
Number:<asp:TextBox ID="phone" runat="server" Width="600"
BorderStyle="Solid"></asp:TextBox>
```


</div>

```
<asp:Button ID="Button1"
runat="server" Text="Update!" OnClick="Button1_Click" cssClass="button"/>
```

<p>

```
runat="server" ForeColor="Red"></asp:Label>
```

```

        </p>
    </section>
</div>
</div>

</div>
<!-- /Main Content -->

</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

        </div>

    </div>

</div>

</div>
</div>
<!-- /Footer -->
<!-- Copyright -->

</form>

</body>
</html>using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;

```

```

using System.Web.UI.WebControls;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class Update : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }

            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }

            CurrentUser currentUser = (CurrentUser)Session["user"];

            user.Text = "Hello " + currentUser.getUsername();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            CurrentUser currentUser = (CurrentUser)Session["user"];

            string userName = username.Text;

            string pass = password.Text;

            string num = phone.Text;

            string email = mail.Text;

            if(userName != "")
            {

```

```

        currentUser = Users.updateUsername(currentUser.getID(), currentUser.getPass(),
userName);
    }
    if(pass != "")
    {
        currentUser = Users.updatePass(currentUser.getID(), pass,
currentUser.getUsername());
    }
    if(num != "")
    {
        Users.updatePhoneNum(currentUser.getID(), num);
    }
    if(email != "")
    {
        Users.updateMail(currentUser.getID(), email);
    }
    Session["user"] = currentUser;
    Res.Text = "Updated!";
    username.Text = "";
    password.Text = "";
    phone.Text = "";
    mail.Text = "";

}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if (DropDownList1.SelectedValue != "Update.aspx")
        Server.Transfer(DropDownList1.SelectedValue);
}
}

}using System;
using System.Collections.Generic;

```

```

using System.Drawing;

using System.Linq;

using System.Web;

using MySql.Data.MySqlClient;

namespace Netflix
{
    public class Users
    {
        public static bool ExistByName(string userName)
        {
            string connectionString = DB.connection;

            MySqlConnection con = new MySqlConnection(connectionString);

            string SqlQuer = $"SELECT    userName
                                FROM      users
                                WHERE     (userName = '{userName}')";

            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

            con.Open();

            MySqlDataReader r = cmd.ExecuteReader();

            if (r.HasRows)
            {
                con.Close();

                return true;
            }
            else
            {
                con.Close();

                return false;
            }
        }
    }
}

```



```

public static bool ExictByID(string ID)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"SELECT      ID
                        FROM        users
                        WHERE      (ID = '{ID}')";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    MySqlDataReader r = cmd.ExecuteReader();

    if (r.HasRows)
    {
        con.Close();

        return true;
    }
    else
    {
        con.Close();

        return false;
    }
}

public static CurrentUser SignUP(string userName, string ID, string password, string mail,
string birthDate, string phoneNum)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"INSERT INTO users VALUES('{ID}', '{userName}', '{password}',
'{mail}', '{phoneNum}', '{birthDate}')";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    if (ExictByID(ID))

```

```

    {
        con.Close();
        return null;
    }
    int r = cmd.ExecuteNonQuery();
    if(r == 1)
    {
        con.Close();
        return new CurrentUser(password, userName, ID);
    }
    con.Close();
    return null;
}

public static CurrentUser Login(string username, string Password)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT    password,ID
                        FROM      users
                        WHERE      (userName = '{username}')";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    int count = 0;
    while (r.Read())
    {
        count++;
    }
    if (!ExictByName(username))
    {

```

```

        con.Close();
        return null;
    }
    string pass = r[0].ToString();
    string ID = r[1].ToString();
    if(pass == Password)
    {
        con.Close();
        return new CurrentUser(Password,username,ID);
    }
    else
    {
        con.Close();
        return null;
    }
}

public static CurrentUser FindByName(string username)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT    password,ID
                            FROM      users
                            WHERE    (userName = '{username}')";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    MySqlDataReader r = cmd.ExecuteReader();
    int count = 0;
    while (r.Read())
    {

```

```

        count++;
    }
    if (!ExictByName(username))
    {
        con.Close();
        return null;
    }
    string pass = r[0].ToString();
    string ID = r[1].ToString();
    con.Close();
    return new CurrentUser(pass, username, ID);
}

public static CurrentUser updatePass(string id,string password, string username)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"@update users
        set password='{password}'
        where ID = '{id}'; ";
    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    if (!ExictByID(id))
    {
        con.Close();
        return null;
    }
    int r = cmd.ExecuteNonQuery();
    if (r == 1)
    {
        con.Close();
    }
}

```

```

        return new CurrentUser(password, username, id);
    }

    con.Close();

    return null;
}

public static void ChangePass(string id, string password)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"update users
        set password='{password}'
        where ID = '{id}'; ";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
    con.Open();
    if (!ExictByID(id))
    {
        con.Close();
        return;
    }

    int r = cmd.ExecuteNonQuery();

    con.Close();
}

public static CurrentUser updateUsername(string id, string password, string username)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"update users
        set userName='{username}'
        where ID = '{id}'; ";

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

```

```

        con.Open();
        if (!ExictByID(id))
        {
            con.Close();
            return null;
        }
        int r = cmd.ExecuteNonQuery();
        if (r == 1)
        {
            con.Close();
            return new CurrentUser(password, username, id);
        }
        con.Close();
        return null;
    }

    public static void updateMail(string id, string mail)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);
        string SqlQuer = $"update users
                        set mail='{mail}'
                        where ID = '{id}'; ";
        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
        con.Open();
        int r = cmd.ExecuteNonQuery();
        con.Close();
    }

    public static void updatePhoneNum(string id, string phone)
    {
        string connectionString = DB.connection;
        MySqlConnection con = new MySqlConnection(connectionString);

```

```

string SqlQuer = $"update users
                set phoneNum='{phone}'
                where ID = '{id}'; ";

MySQLCommand cmd = new MySQLCommand(SqlQuer, con);
con.Open();
int r = cmd.ExecuteNonQuery();
con.Close();
}

public static void updatephoto(string id, byte[] photo)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);

    string query = "update users set image=@image where ID=@ID;";
    using (MySQLCommand cmd = new MySQLCommand(query))
    {
        cmd.Connection = con;
        cmd.Parameters.AddWithValue("@image", photo);
        cmd.Parameters.AddWithValue("@ID", id);
        con.Open();
        cmd.ExecuteNonQuery();
        con.Close();
    }
}

public static string getMailById(string id)
{
    string connectionString = DB.connection;
    MySqlConnection con = new MySqlConnection(connectionString);
    string SqlQuer = $"SELECT      mail
                        FROM        users

```

```

        WHERE      (ID = '{id}');"

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    MySqlDataReader r = cmd.ExecuteReader();

    r.Read();

    string mail = r.GetValue(0).ToString();

    con.Close();

    return mail;
}

public static byte[] getImageById(string id)
{
    string connectionString = DB.connection;

    MySqlConnection con = new MySqlConnection(connectionString);

    string SqlQuer = $"SELECT      image
        FROM      users
        WHERE      (ID = '{id}');"

    MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

    con.Open();

    MySqlDataReader r = cmd.ExecuteReader();

    r.Read();

    byte[] image = { 0 };

    if (!r.IsDBNull(0))
    {
        image = (byte[])r["image"];
    }

    con.Close();

    return image;
}

public static string getPhoneById(string id)
{

```



```
<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>
```

```
<!DOCTYPE HTML>
```

```
<!--
```

```
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```

```
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```

```
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    (templated.co/license)
```

```
-->
```

```
<html>
```

```
<head runat="server">
```

```
    <title>Netflix&&Me</title>
```

```
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
```

```
    <meta name="description" content="" />
```

```
    <meta name="keywords" content="" />
```

```
    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>
```

```
    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->
```

```
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
```

```
    <script src="js/skel.min.js"></script>
```

```
    <script src="js/skel-panels.min.js"></script>
```

```
    <script src="js/init.js"></script>
```

```
    <noscript>
```

```
        <link rel="stylesheet" href="css/skel-noscript.css" />
```

```
        <link rel="stylesheet" href="css/style.css" />
```

```
        <link rel="stylesheet" href="css/style-desktop.css" />
```

```
    </noscript>
```

```
    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->
```

```

        <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->
</head>

<body>
    <form id="form1" runat="server">
        <!-- Header -->
        <div id="header">
            <div id="logo-wrapper">
                <div class="container">

                    <!-- Logo -->
                    <div id="logo">
                        <h1><a href="#">Netflix &&
Me</a></h1>

                        <span>Just for You</span>
                    </div>

                </div>
            </div>
        </div>
        <div class="container">
            <!-- Nav -->
            <nav id="nav">
                <ul>
                    <li><a
href="Homepage.aspx">Homepage</a></li>

                    <li><a href="Add_Movie.aspx">Add
Movie</a></li>

                    <li><a href="addSeries.aspx">Add
Series</a></li>

                    <li><a
href="favorites.aspx">Favorites</a></li>

                    <li
class="active"><asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">

```

```

        <asp:ListItem Value="ViewFriends.aspx"> Choose </asp:ListItem>
                                <asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
                                <asp:ListItem Selected="True"
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
                                <asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
                                <asp:ListItem
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
                                </asp:DropDownList></li>
                                <li ><a href="Update.aspx">Update
Personal Info</a></li>
                                <li ><a
href="forum.aspx">Forum</a></li>
                                <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>
                                <li ><a
href="Trailers.aspx">Trailers</a></li>
                                <li><a
href="personal_page.aspx">My Profile</a></li>
                                <li ><a
href="Login.aspx">Logout</a></li>
                                </ul>
        </nav>
    </div>
</div>
<!-- Header -->
<!-- Banner -->
<div id="banner">
    <div class="container">
        </div>
    </div>
</div>
<!-- /Banner -->
<!-- Main -->

```

```

<div id="main">

    <!-- Main Content -->
    <div class="container">
        <div class="row">
            <div class="12u">
                <section>
                    <header>

                        <h2>Welcome!</h2>

                    </header>
                    <div>
                        <asp:Label
ID="username" runat="server" Text=""></asp:Label>

                        <br /><br /><br />
                        <div style="float:
right; width:300px">

                            <asp:PlaceHolder ID="PlaceHolder1" runat="server"></asp:PlaceHolder>

                        </div>
                        <div
style="float:left; width:200px">

                            <asp:Label
ID="Names" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>

                        </div>

                    </div>
                </section>
            </div>
        </div>
    </div>

```

```

        </div>

        <!-- /Main Content -->

    </div>

    <!-- /Main -->

    <!-- Footer -->

    <div id="footer">

        <div class="container">

            <div class="row">


                </div>

            </div>

        </div>

        <!-- /Footer -->

        <!-- Copyright -->

    </form>

</body>

</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

```

```

namespace Netflix
{
    public partial class ViewFriends : System.Web.UI.Page
    {
        protected void btn_Click(object sender, EventArgs e)
        {
            CurrentUser currentUser = (CurrentUser)Session["user"];
            Button b = (Button)sender;
            CurrentUser friend = Users.FindByName(b.CommandArgument);
            friends.deleteFriend(friend.getID(), currentUser.getID());
            Server.Transfer("ViewFriends.aspx");
        }

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!handler.IsAvailable())
            {
                Server.Transfer("Error.aspx");
            }
            if (Session["user"] == null)
            {
                Server.Transfer("Login.aspx");
            }
            CurrentUser currentUser = (CurrentUser)Session["user"];
            username.Text = "Hello " + currentUser.getUsername();
            List<string> names = friends.getFriends(currentUser.getID(),
currentUser.getUsername());
            Names.Text = "";
            foreach (string n in names)
            {
                Names.Text += n;
            }
        }
    }
}

```

```

        Names.Text += "<br/>";

        Button b = new Button();

        b.Text = "Delete Friend";

        b.ID = "delete" + n;

        b.Click += btn_Click;

        b.CommandArgument = n;

        b.CssClass = "button";

        Placeholder1.Controls.Add(b);

        Label l = new Label();

        l.Text = "<br/>";

        Placeholder1.Controls.Add(l);
    }
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if(DropDownList1.SelectedValue != "ViewFriends.aspx")
        Server.Transfer(DropDownList1.SelectedValue);
}
}

}<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ViewRequests.aspx.cs"
Inherits="Netflix.ViewRequests" %>

<%@ Register assembly="System.Web.DataVisualization, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35"
namespace="System.Web.UI.DataVisualization.Charting" tagprefix="asp" %>

```

<!DOCTYPE HTML>

<!--

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```

-->

<html>

<head runat="server">

    <title>Netflix&&Me</title>

    <meta http-equiv="content-type" content="text/html; charset=utf-8" />

    <meta name="description" content="" />

    <meta name="keywords" content="" />

    <link href='https://fonts.googleapis.com/css?family=Questrial' rel='stylesheet'
type='text/css'>

    <!--[if lte IE 8]><script src="js/html5shiv.js"></script><![endif]-->

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>

    <script src="js/skel.min.js"></script>

    <script src="js/skel-panels.min.js"></script>

    <script src="js/init.js"></script>

    <noscript>

        <link rel="stylesheet" href="css/skel-noscript.css" />

        <link rel="stylesheet" href="css/style.css" />

        <link rel="stylesheet" href="css/style-desktop.css" />

    </noscript>

    <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->

    <!--[if lte IE 9]><link rel="stylesheet" href="css/ie/v9.css" /><![endif]-->

</head>

<body>

    <form id="form1" runat="server">

        <!-- Header -->

        <div id="header">

            <div id="logo-wrapper">

                <div class="container">

                    <!-- Logo -->

                    <div id="logo">

```

```

Me</a></h1>
<h1><a href="#">Netflix &&
<span>Just for You</span>
</div>
</div>
</div>
<div class="container">
<!-- Nav -->
<nav id="nav">
<ul>
<li ><a
href="Homepage.aspx">Homepage</a></li>
<li ><a href="Add_Movie.aspx">Add
Movie</a></li>
<li ><a href="addSeries.aspx">Add
Series</a></li>
<li><a
href="favorites.aspx">Favorites</a></li>
<li><asp:DropDownList
ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="True">
<asp:ListItem Value="ViewRequests.aspx"> Choose </asp:ListItem>
<asp:ListItem
Value="Friends_Me.aspx"> Friends&Me </asp:ListItem>
<asp:ListItem
Value="ViewFriends.aspx"> View Friends </asp:ListItem>
<asp:ListItem Value="Add
Friends.aspx"> Add Friends </asp:ListItem>
<asp:ListItem Selected="True"
Value="ViewRequests.aspx">View Friends Requests</asp:ListItem>
</asp:DropDownList></li>
<li ><a href="Update.aspx">Update
Personal Info</a></li>

```

```

                                <li ><a
href="forum.aspx">Forum</a></li>

                                <li ><a
href="ContactAdmin.aspx">Contact Us</a></li>

                                <li ><a
href="Trailers.aspx">Trailers</a></li>

                                <li><a
href="personal_page.aspx">My Profile</a></li>

                                <li ><a
href="Login.aspx">Logout</a></li>

                                </ul>

                                </nav>

                                </div>

                                </div>

                                <!-- Header -->

                                <!-- Banner -->

                                <div id="banner">

                                    <div class="container">

                                        </div>

                                    </div>

                                </div>

                                <!-- /Banner -->

                                <!-- Main -->

                                <div id="main">

                                    <!-- Main Content -->

                                    <div class="container">

                                        <div class="row">

                                            <div class="12u">

                                                <section>

                                                    <header>

                                                        <h2>Welcome!</h2>

                                                    </header>

```

```

<div>
    <asp:Label
ID="username" runat="server" Text=""></asp:Label>
    <br /><br /><br />
    <div style="float:
right; width:300px">
        <asp:Placeholder ID="Placeholder1" runat="server"></asp:Placeholder>
    </div>
    <div
style="float:left; width:200px">
        <asp:Label
ID="Names" runat="server" Font-Bold="True" Font-Size="Large" ></asp:Label>
    </div>
</div>
</section>
</div>
</div>
<!-- /Main Content -->
</div>
<!-- /Main -->
<!-- Footer -->
<div id="footer">
    <div class="container">
        <div class="row">

```

```

</div>

</div>
</div>
<!-- /Footer -->
<!-- Copyright -->

</form>

</body>
</html>

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using MySql.Data.MySqlClient;

namespace Netflix
{
    public partial class ViewRequests : System.Web.UI.Page
    {
        /*
         * The method approves or rejects the selected user friend request.
         * The method decides whether to approve or reject or series by the command name
         button attribute.
         * The method takes the friend username from the command argument button
         attribute.
        */
    }
}

```

```

protected void btn_Click(object sender, EventArgs e)
{
    CurrentUser currentUser = (CurrentUser)Session["user"];
    Button b = (Button)sender;
    CurrentUser friend = Users.FindByName(b.CommandArgument);
    if(b.CommandName == "Approve")
    {
        friends.confirmFriend(friend.getID(), currentUser.getID());

        Mail.sendMsg(Users.getMailById(friend.getID()), currentUser.getUsername() + " has
accepted your friends request", "New friend");
    }
    else
    {
        friends.rejectFriend(friend.getID(), currentUser.getID());

        Mail.sendMsg(Users.getMailById(friend.getID()), currentUser.getUsername() + " has
rejected your friends request", "New friend");
    }

    Server.Transfer("ViewRequests.aspx");

}

protected void Page_Load(object sender, EventArgs e)
{
    if (!handler.IsAvailable())
    {
        Server.Transfer("Error.aspx");
    }

    if (Session["user"] == null)
    {
        Server.Transfer("Login.aspx");
    }

    CurrentUser currentUser = (CurrentUser)Session["user"];
    username.Text = "Hello " + currentUser.getUsername();
}

```

```

List<string> names = friends.getReq(currentUser.getID());

Names.Text = "";

foreach(string n in names)
{
    Names.Text += n;

    Names.Text += "<br/>";

    Button b = new Button();

    b.Text = "Approve";

    b.ID = "Approve" + n;

    b.Click += btn_Click;

    b.CommandArgument = n;

    b.CommandName = "Approve";

    b.CssClass = "button";

    Placeholder1.Controls.Add(b);


    Button bt = new Button();

    bt.CssClass = "button";

    bt.Text = "Reject";

    bt.ID = "Reject" + n;

    bt.Click += btn_Click;

    bt.CommandArgument = n;

    bt.CommandName = "reject";

    Placeholder1.Controls.Add(bt);

    Label l = new Label();

    l.Text = "<br/>";

    Placeholder1.Controls.Add(l);
}
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if (DropDownList1.SelectedValue != "ViewRequests.aspx")

```

```
        Server.Transfer(DropDownList1.SelectedValue);  
    }  
}  
}
```


קוד שירותי רשת

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using MySql.Data.MySqlClient;
namespace WebService
{
    public class link
    {
        private static string connectionString = "server=localhost;user
id=root;password=josh17rog;persistsecurityinfo=True;database=links;sslmode=None";

        public static List<string> names()
        {

            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT name FROM links.name_link";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
            MySqlDataReader r = cmd.ExecuteReader();
            List<string> name = new List<string>();
            while (r.Read())
            {
                name.Add(r.GetValue(0).ToString());
            }
            con.Close();
            return name;
        }

        public static string getLink(string name)
        {
            MySqlConnection con = new MySqlConnection(connectionString);
            string SqlQuer = $"SELECT link FROM links.name_link WHERE name='{name}'";
            MySqlCommand cmd = new MySqlCommand(SqlQuer, con);
            con.Open();
```

```

        MySqlDataReader r = cmd.ExecuteReader();

        r.Read();

        string link = r.GetValue(0).ToString();

        con.Close();

        return link;
    }

    public static string getBrowse(string name)
    {
        MySqlConnection con = new MySqlConnection(connectionString);

        string SqlQuer = $"SELECT browse FROM links.name_link WHERE name='{name}'";

        MySqlCommand cmd = new MySqlCommand(SqlQuer, con);

        con.Open();

        MySqlDataReader r = cmd.ExecuteReader();

        r.Read();

        string link = r.GetValue(0).ToString();

        con.Close();

        return link;
    }

}

}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;

namespace WebService
{
    /// <summary>
    /// Summary description for Links
    /// </summary>

    [WebService(Namespace = "http://tempuri.org/")]

```

```

    [WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
[System.ComponentModel.ToolboxItem(false)]

    // To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment the
    following line.

    // [System.Web.Script.Services.ScriptService]

    public class Links : System.Web.Services.WebService
    {

        [WebMethod]
        public List<string> names()
        {

            return link.names();
        }

        [WebMethod]
        public string getLink(string name)
        {
            return link.getLink(name);
        }

        [WebMethod]
        public string getBrowse(string name)
        {
            return link.getBrowse(name);
        }
    }
}

```

ReadMe

ברוכים הבאים לNetflix&&Me

האתר כתוב בשפת C# ומעוצב באמצעות ASPX.

על מנת להפעיל את האתר יש להעתיק את התיקייה 213718380 למחשבך ולבצע מספר צעדים.

1. שחזור מסד הנתונים של שירותי הרשת ומסד הנתונים של האתר על ידי פתיחה של קבצי הגיבוי של המסדים.
 2. הרצת שירותי הרשת על ידי פתיחה של קובץ ה חלסבתיקייה של שירותי הרשת ולחיצה על כפתור RUN בראש העמוד.
 3. הרצת האתר על ידי פתיחה של קובץ ה חלסבתיקייה של האתר ולחיצה על כפתור RUN בראש העמוד.
- לצורך כניסה בתור משתמש רגיל אשר רשום כבר לאתר יש למלא את הפרטים הבאים בLogin:
- שם משתמש: yoli
- סיסמא: yolialm
- לצורך כניסה בתור מנהל האתר יש למלא את הפרטים הבאים בAdmins Login:
- שם משתמש: admin
- סיסמא: admin123456
- תעודת זהות: 213718380