Course: IT202-008-S2025
Assignment: IT202 - Milestone 3
Student: Gori H. (gs658)
Status: Submitted | Worksheet Progress: 100%
Potential Grade: 10.00/10.00 (100.00%)
Received Grade: 0.00/10.00 (0.00%)
Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-008-S2025/it202-milestone-3/grading/gs658

Instructions

1. Refer to Milestone3 of this doc: https://docs.google.com/document/d/1XE96a8DQ52Vp49XACBDTNCq0xYDt3kF29cO88EWVwfo/view
2. Ensure you read all instructions and objectives before starting.
3. Ensure you've gone through each lesson related to this Milestone
4. Switch to the Milestone3 branch
   1. `git checkout Milestone3` (ensure proper starting branch)
   2. `git pull origin Milestone3` (ensure history is up to date)
5. Fill out the below worksheet
   - Ensure there's a comment with your UCID, date, and brief summary of the snippet in each screenshot
   - Ensure proper styling is applied to each page
   - Ensure there are no visible technical errors; only user-friendly messages are allowed
6. Once finished, click "Submit and Export"
7. Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
   1. `git add .`
   2. `git commit -m "adding PDF"`
   3. `git push origin Milestone3`
   4. On Github merge the pull request from `Milestone3` to dev
   5. On Github create a pull request from `dev` to `prod` and immediately merge. (This will trigger the `prod` deploy to make the heroku prod links work)
8. Upload the same PDF to Canvas
9. Sync Local
10. `git checkout dev`
11. `git pull origin dev`

100%

Section #1: (3 pts.) Api Data

100%

Task #1 (1 pt.) - Concept of Data Association

Text Prompt

Weight: *33.33%*
Objective: *Concept of Data Association*

Details:

- What's the concept of your data association to users? (examples: favorites, wish list, purchases, assignment, etc)
- Describe with a few sentences

Your Response:

The concept of my data association with users is in the form of a watchlist. Each user registered in the database is able to add movies to their personal watchlist, allowing them to save the movies they are interested in watching in the future. This watchlist is displayed on a separate page. This relationship is handled in the form of an association table called Watchlist, which links users and movies by storing user_id and movie_id.

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100%

Task #2 (1 pt.) - Data Updates

Text Prompt

Weight: *33.33%*
Objective: *Data Updates*

Details:

- When an associated entity is updated (manually or API) how is the association affected?
  - Does the user see the old version of the data?
  - Does the user see the new version of the data?
  - Does the user need to have data re-associated or remapped?
- Explain why.

Your Response:

When an associated entity, a movie in this case, is updated manually or via API, the user sees the new version of the movie data in their watchlist. For example, if a user has Coco in their watchlist and it's rated 4 stars, and an admin changes the rating to 3 stars, then the user would see 3 stars after they refresh their session. This is because the watchlist stores the connection between user_id and movie_id, not the details themselves. It doesn't re-associate or remap anything.

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Task #3 (1 pt.) - Handling Association

100%

Combo Task:

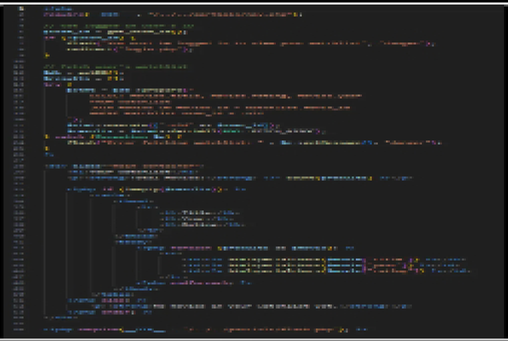
Weight: *33.33%*
Objective: *Handling Association*

Image Prompt

Weight: *50%*

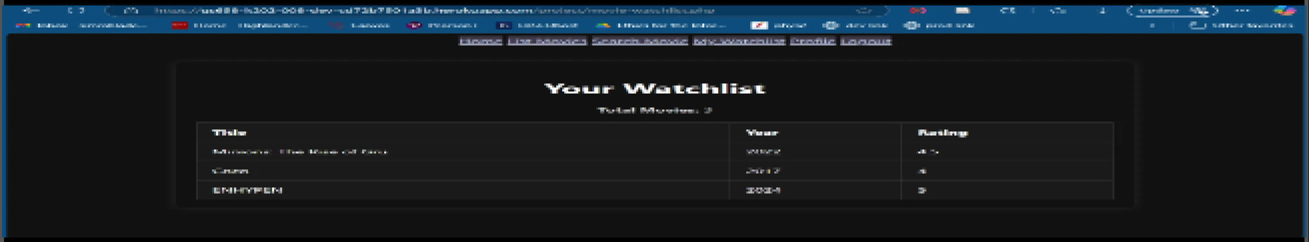
Details:

- Show an example page of where a user can get data associated with them
- Ensure heroku dev url is visible
- Caption if this is a user-facing page or admin page



```
[illegible]
```

code for watchlist



Your Watchlist

Total Movies: 3

Title	Year	Rating
[illegible]	[illegible]	[illegible]
[illegible]	2017	4
ENHYPEN	2024	5

user-facing page

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Text Prompt

Weight: *50%*

Details:

- Describe the process of associating data with the user.
- Can it be toggled, or is it applied once?

Your Response:

For associating data with users - in this case, when a user adds a movie to their watchlist, the movie_id is associated with their user_id by inserting a row into the Watchlist table. This table uses user_id and movie_id as a unique pair, meaning the user can only add the movie once to their watchlist. It can be toggled, so if a user adds a movie to their watchlist, they can also remove it, which then deletes that association from the table.

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100%

Section #2: (6 pts.) Associations

100%

Task #1 (1.50 pts.) - Logged-in User's Associated Entities

Combo Task:

Weight: *25%*
Objective: *Logged-in User's Associated Entities*

Details:

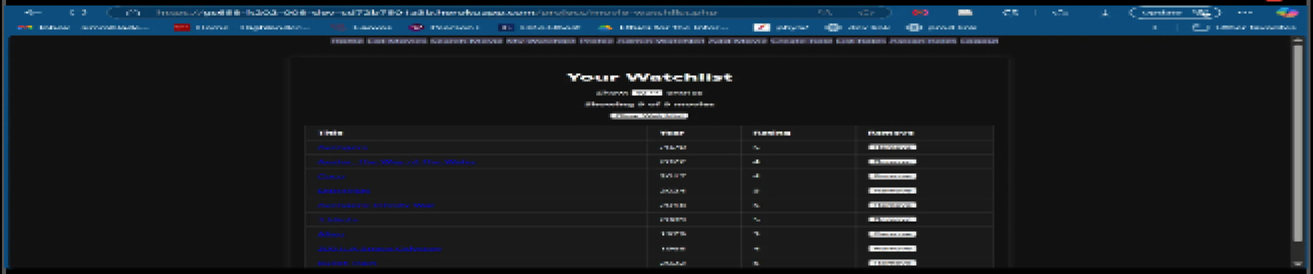
- Each line item should have a logical summary
- Each line item should have a link/button to a single view page of the entity
- Each line item should have a link/button to a delete action of the relationship (doesn't delete the entity or user, just the relationship)
- The page should have a link/button to remove all associations for the particular user
- The page should have a section for stats (number of results and total number possible based on the query filters)
- The page should have logical options for filtering/sorting
  - A limit should be applied between 1 and 100 and controlled by the user (server-side enforces rules)
  - A filter with no matching records should show "no results available" or equivalent

Image Prompt

Weight: *50%*

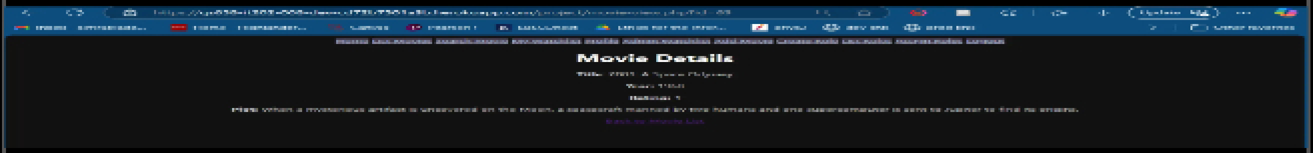
Details:

- Show a few examples of this page from heroku dev with various filters applied
- Ensure heroku dev url is visible
- Ensure each requirement is visible



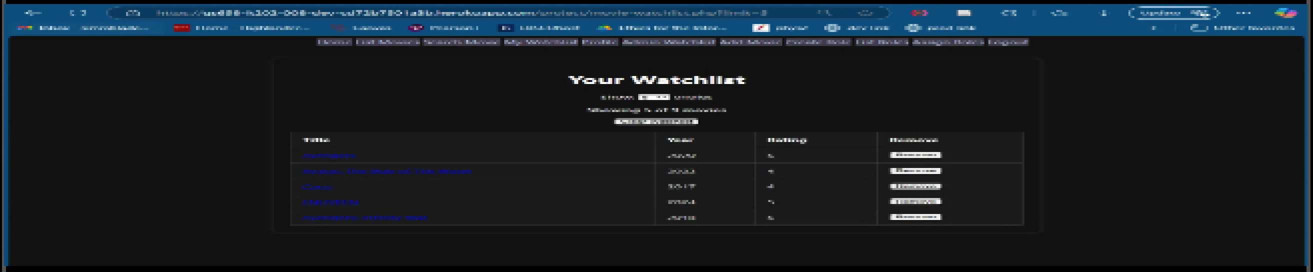
Your Watchlist

showing user watchlist



Movie Details

clicking a specific movie takes you to the movie view page (with movie details)



Your Watchlist

Title	Year	Rating	Remove
[illegible]	[illegible]	[illegible]	Remove
[illegible]	[illegible]	[illegible]	Remove
[illegible]	[illegible]	[illegible]	Remove
[illegible]	[illegible]	[illegible]	Remove
[illegible]	[illegible]	[illegible]	Remove

user watchlist with limit 5 filter applied

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Text Prompt

Weight: *50%*

Details:

- Describe how you solved showing the particular association output
- Describe how you solved the various items required for this page (i.e., line item requirements, stats, filter/sort, etc)

Your Response:

I solved showing the particular association output, in this case showing a user's watchlist, through an SQL join between the Watchlist and Movies tables filtered by the user's ID. Each row in the column of the watchlist displays the corresponding movie's title, year, and rating, along with buttons to remove the movie from the watchlist and a main button at the top to clear the entire list. I also added stats

100%

Task #2 (1.50 pts.) - All Users Association Page

Combo Task:

Weight: *25%*
Objective: *All Users Association Page*

Details:

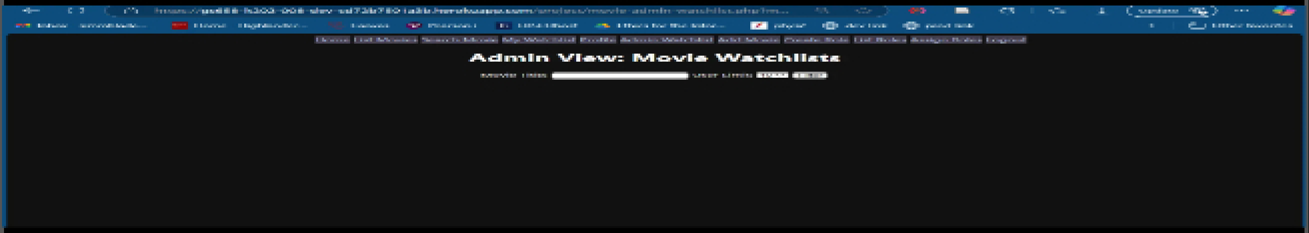
- Each line item should have a logical summary
- Each line item should include the username this entity is associated with
  - Clicking the username should redirect to that user's public profile
- Each line item should include a column that shows the total number of users the entity is associated with
- Each line item should have a link/button to a single view page of the entity
- Each line item should have a link/button to a delete action of the relationship (doesn't delete the entity or user, just the relationship)
- The page should have a section for stats (number of results and total number possible based on the query filters)
- The page should have logical options for filtering/sorting
  - A limit should be applied between 1 and 100 and controlled by the user (server-side enforces rules)
  - A filter with no matching records should show "no results available" or equivalent

Image Prompt

Weight: *50%*

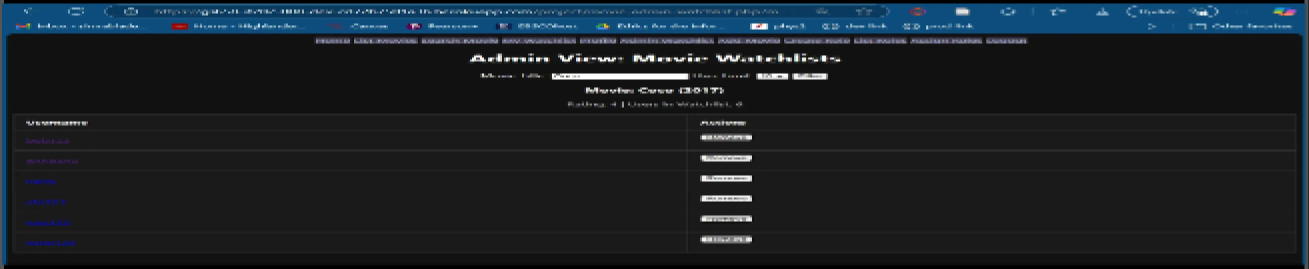
Details:

- Show a few examples of this page from heroku dev with various filters applied
- Ensure heroku dev url is visible
- Ensure each requirement is visible



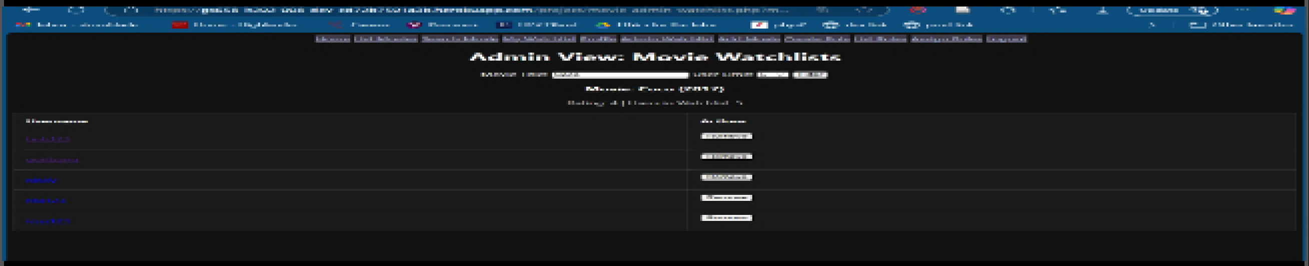
Admin View: Movie Watchlists

admin watchlist page without filtering



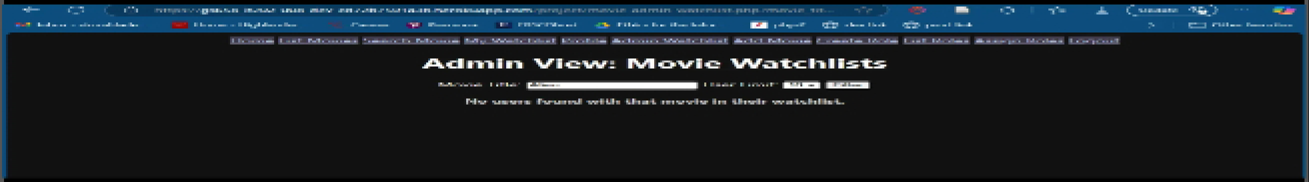
Admin View: Movie Watchlists

searching for a specific movie title limit 10



Admin View: Movie Watchlists

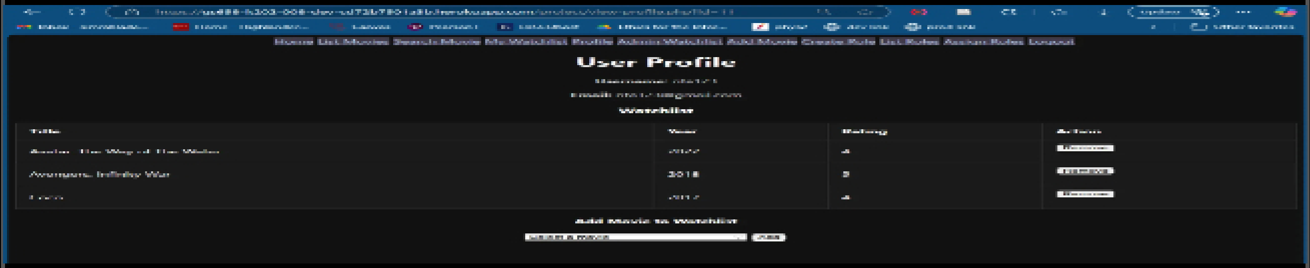
searching for specific movie title limit 5



Admin View: Movie Watchlists

No users found with that movie in their watchlist.

filtering movie, no matches found



Home List Movies Search Movie My Watchlist Profile Admin Watchlist Add Movie Create Role List Roles Assign Roles Logout

User Profile

Username: [illegible]

Email: [illegible]

Watchlist

Title	Year	Rating	Action
Avatar: The Way of The Water	2022	4	Remove
Avengers: Infinity War	2018	5	Remove
[illegible]	2017	4	Remove

Add Movie to Watchlist

Select a movie | Add

Task #3 (1.50 pts.) - Unassociated Page

100%

Combo Task:

Weight: *25%*
Objective: *Unassociated Page*

Details:

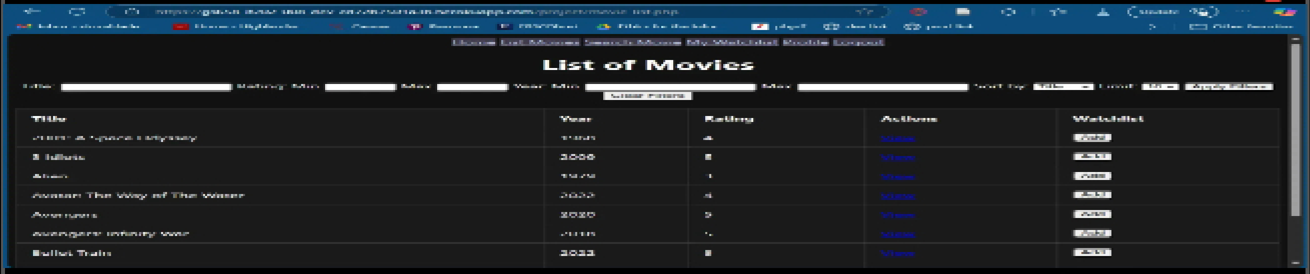
- Each line item should have a logical summary
- Each line item should have a link/button to a single view page of the entity
- The page should have a section for stats (number of results and total number possible based on the query filters)
- The page should have logical options for filtering/sorting
  - A limit should be applied between 1 and 100 and controlled by the user (server-side enforces rules)
  - A filter with no matching records should show "no results available" or equivalent

Image Prompt

Weight: *50%*

Details:

- Show a few examples of this page from heroku dev with various filters applied
- Ensure heroku dev url is visible
- Ensure each requirement is visible



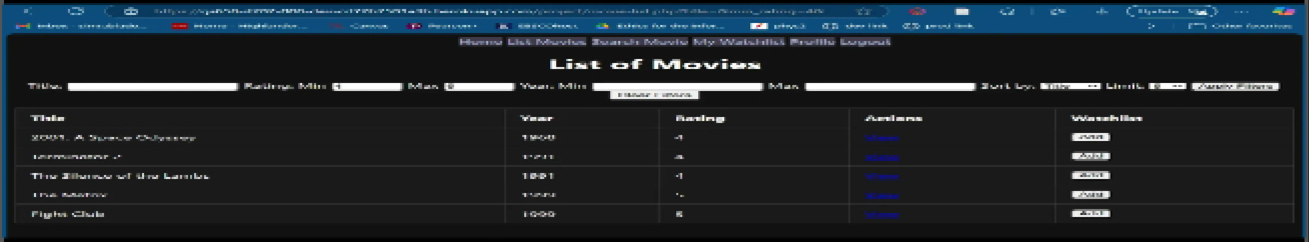
Home List Movies Search Movie My Watchlist Profile Logout

List of Movies

Title: Rating: Min Max Year: Min Max Sort by: Title Limit: 10 Apply Filters
Clear Filters

Title	Year	Rating	Actions	Watchlist
2001: A Space Odyssey	1968	4	View	Add
3 Idiots	2009	5	View	Add
Alien	1979	1	View	Add
Avatar: The Way of The Water	2022	4	View	Add
Avengers	2020	5	View	Add
Avengers: Infinity War	2018	5	View	Add
Bullet Train	2022	5	View	Add

normal movie list page without any filters applied



Home List Movies Search Movie My Watchlist Profile Logout

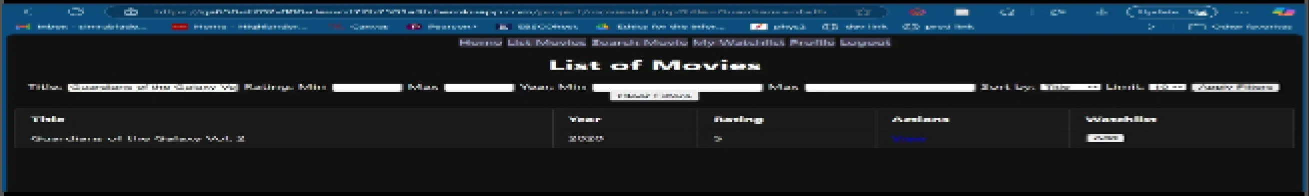
List of Movies

Title: Rating: Min Max Year: Min Max Sort by: Limit: Apply Filters

Clear Filters

Title	Year	Rating	Actions	Watchlist
2001: A Space Odyssey	[illegible]	[illegible]	View	Add
Terminator 2	[illegible]	[illegible]	View	Add
The Silence of the Lambs	1991	[illegible]	View	Add
The Matrix	[illegible]	[illegible]	View	Add
Fight Club	[illegible]	5	View	Add

min and max rating filter applied with limit 5 movies



Home List Movies Search Movie My Watchlist Profile Logout

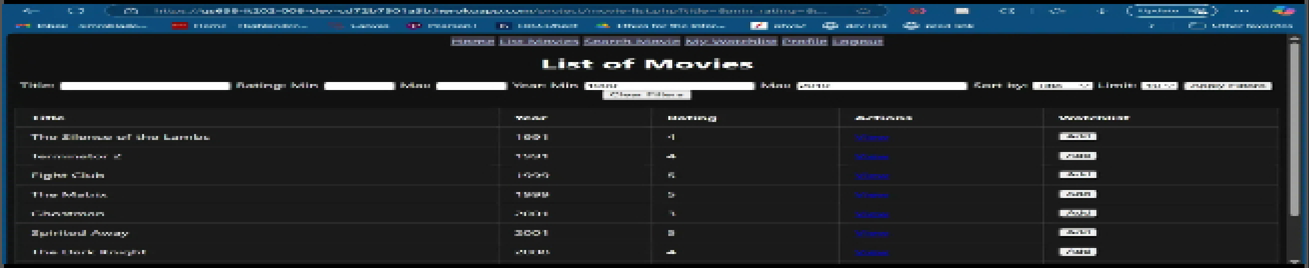
List of Movies

Title: Guardians of the Galaxy Vo Rating: Min Max Year: Min Max Sort by: Limit: Apply Filters

Clear Filters

Title	Year	Rating	Actions	Watchlist
Guardians of the Galaxy Vol. 2	[illegible]	[illegible]	View	Add

applying title filter of a specific movie



Home List Movies Search Movie My Watchlist Profile Logout

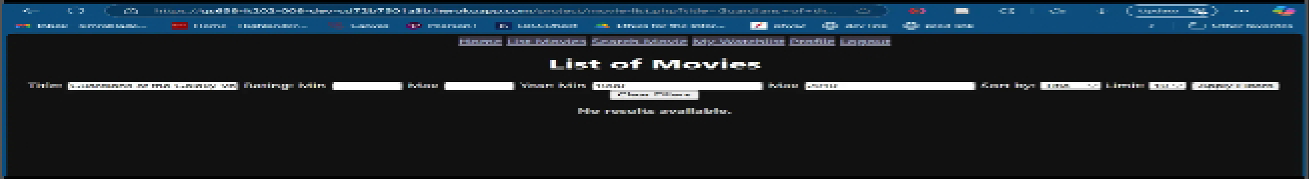
List of Movies

Title: Rating: Min Max Year: Min Max Sort by: Limit: Apply Filters

Clear Filters

Title	Year	Rating	Actions	Watchlist
The Silence of the Lambs	1991	[illegible]	View	Add
Terminator 2	[illegible]	[illegible]	View	Add
Fight Club	[illegible]	[illegible]	View	Add
The Matrix	1999	[illegible]	View	Add
Gladiator	[illegible]	[illegible]	View	Add
Spirited Away	2001	[illegible]	View	Add
The Dark Knight	[illegible]	[illegible]	View	Add

filtering movies with min and max year



Home List Movies Search Movie My Watchlist Profile Logout

List of Movies

Title: Guardians of the Galaxy Vo Rating: Min Max Year: Min Max Sort by: Limit: Apply Filters

Clear Filters

No results available.

no matches with filtering

100%

Task #4 (1.50 pts.) - Admin Association Page (Like User Roles)

Combo Task:

Weight: *25%*
Objective: *Admin Association Page (Like User Roles)*

Details:

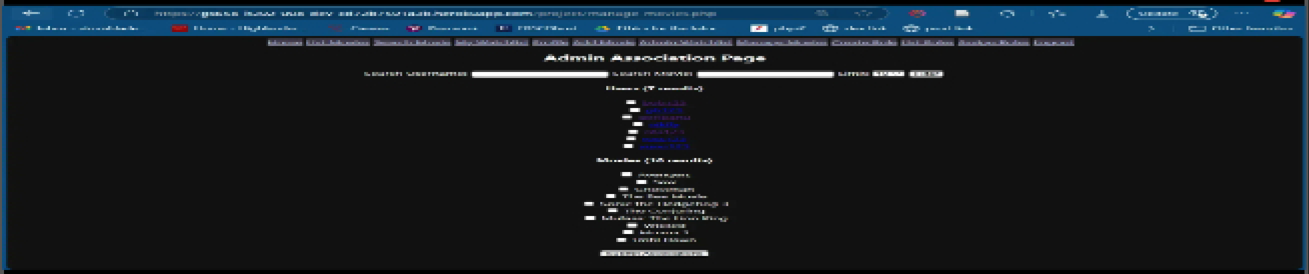
- The page should have a form with two fields
  - Partial match for username
  - Partial match for entity reference (name or something user-friendly)
- Submitting the form should give up to 25 matches of each
  - Likely best to show as two separate columns
- Each entity and user will have a checkbox next to them
- Submitting the checked associations should apply the association if it doesn't exist; otherwise it should remove the association
  - A filter with no matching records should show "no results available" or equivalent

Image Prompt

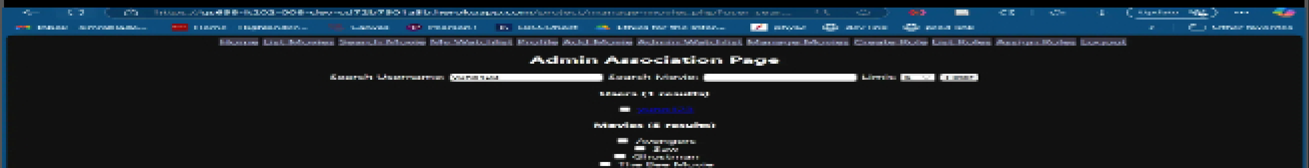
Weight: *50%*

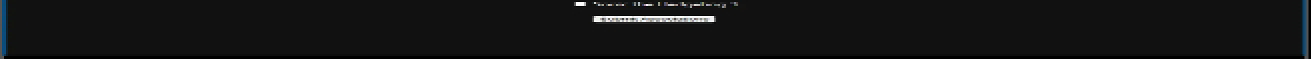
Details:

- Show a few examples of this page from heroku dev with various selections having been submitted
- Ensure heroku dev url is visible
- Ensure each requirement is visible

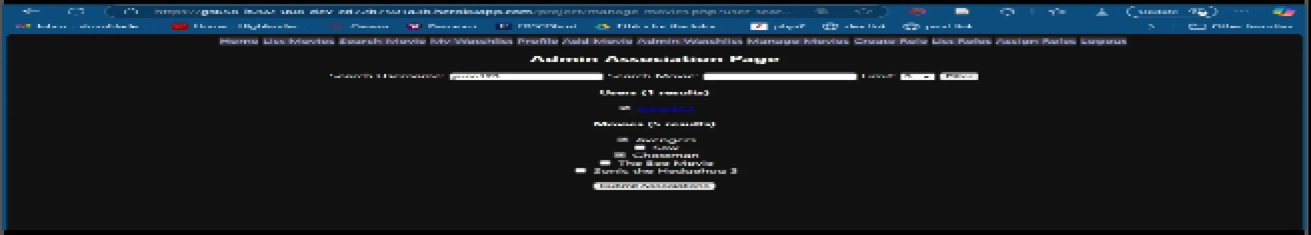

Admin Association Page

admin association page without filters (users, movies)


Admin Association Page


Submit Associations

searching for user with limit 5 movies


Home List Movies Search Movie My Watchlist Profile Add Movie Admin Watchlist Manage Movies Create Role List Roles Assign Roles Logout

Admin Association Page

Search Username: [illegible] Search Movie: Limit: 5 Filter

Users (1 results)

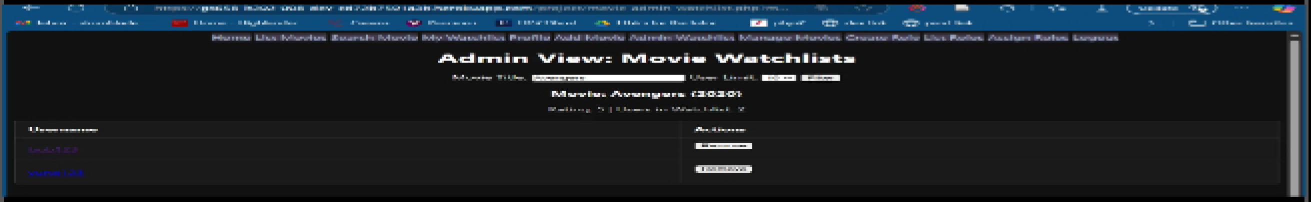
- [illegible]

Movies (5 results)

- Avengers
- Saw
- Chainsaw
- The Bee Movie
- Zorb the Hedgehog 2

Submit Associations

adding 2 movies to user


Home List Movies Search Movie My Watchlist Profile Add Movie Admin Watchlist Manage Movies Create Role List Roles Assign Roles Logout

Admin View: Movie Watchlists

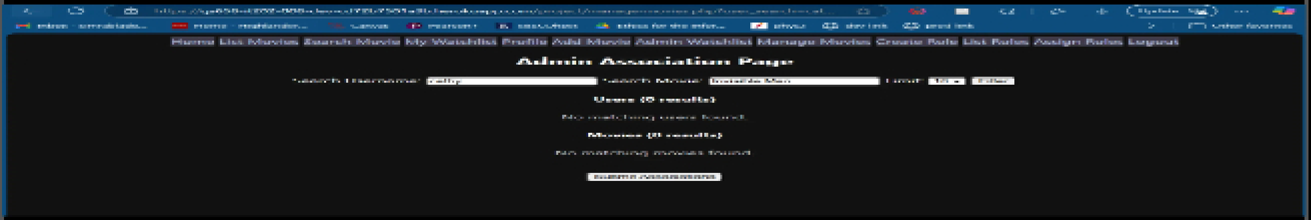
Movie Title: Avengers User Limit: 10 Filter

Movie: Avengers (2020)

Rating: 5 | Users in Watchlist: 2

Username	Actions
[illegible]	Remove
[illegible]	Remove

successfully added movies to user's watchlist


Home List Movies Search Movie My Watchlist Profile Add Movie Admin Watchlist Manage Movies Create Role List Roles Assign Roles Logout

Admin Association Page

Search Username: [illegible] Search Movie: Invisible Man Limit: 10 Filter

Users (0 results)

No matching users found.

Movies (0 results)

No matching movies found.

Submit Associations

no matching users/movies

100%

Section #3: (1 pt.) Misc

100%

Task #1 (0.33 pts.) - Github Details

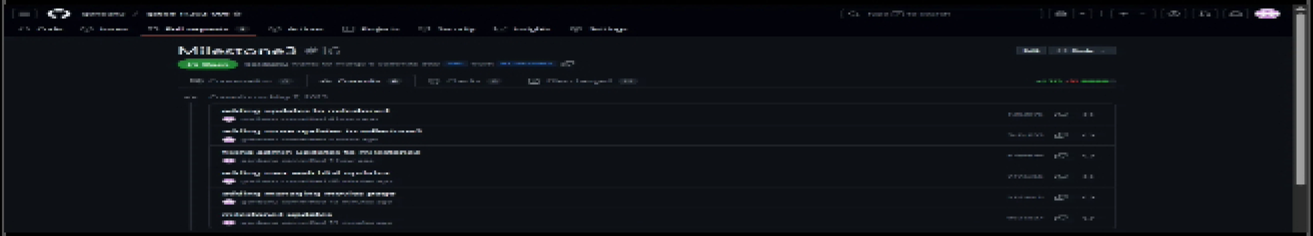
Combo Task:

Weight: *33.33%*
Objective: *Github Details*

Image Prompt

Weight: *60%*

Details:
From the Commits tab of the Pull Request screenshot the commit history


Milestone3 #16

screenshot of commit history

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Url Prompt

Weight: *40%*

Details:
Include the link to the Pull Request for Milestone3 to dev (should end in `/pull/#`)

URL #1
https://github.com/goribanu/gs658-IT202-pull/16

URL
https://github.com/goribanu/gs658

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100%
Task #2 (0.33 pts.) - WakaTime - Activity

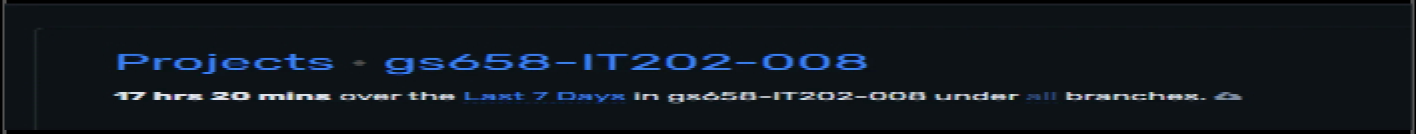
Image Prompt

Image Prompt

Weight: *33.33%*
Objective: *WakaTime - Activity*

Details:

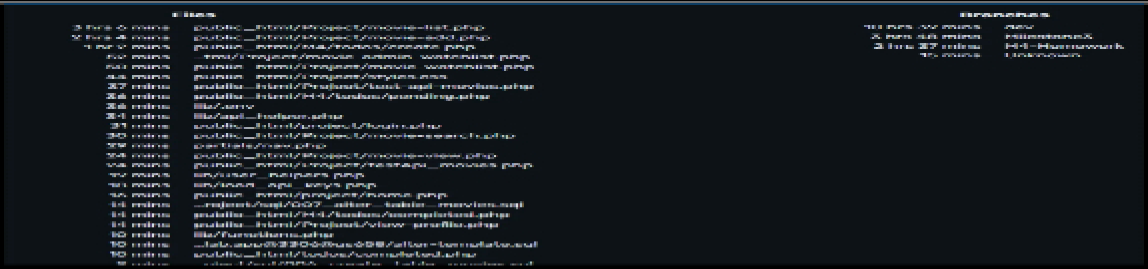
- Visit the WakaTime.com Dashboard
- Click `Projects` and find your repository
- Capture the overall time at the top that includes the repository name
- Capture the individual time at the bottom that includes the file time
- Note: The duration isn't relevant for the grade and the visual graphs aren't necessary



Projects • gs658-IT202-008

17 hrs 20 mins over the Last 7 Days in gs658-IT202-008 under all branches.

total wakatime activity



```
Files                                                        Branches
3 hrs 6 mins   public_html/Project/movie-list.php           10 hrs 27 mins  dev
2 hrs 4 mins   public_html/Project/movie-add.php             2 hrs 46 mins  Milestone2
1 hr 9 mins    public_html/M4/todos/create.php               3 hrs 37 mins  H4-Homework
52 mins        ...tml/Project/movie_admin_watchlist.php            15 mins  Unknown
50 mins        public_html/Project/movie_watchlist.php
44 mins        public_html/Project/styles.css
37 mins        public_html/Project/test-api-movies.php
36 mins        public_html/H4/todos/pending.php
36 mins        lib/.env
34 mins        lib/api_helper.php
31 mins        public_html/Project/login.php
30 mins        public_html/Project/movie-search.php
29 mins        partials/nav.php
24 mins        public_html/Project/movie-view.php
24 mins        public_html/Project/testapi_movies.php
17 mins        lib/user_helpers.php
13 mins        lib/load_api_keys.php
13 mins        public_html/project/home.php
14 mins        ...roject/sql/007_alter_table_movies.sql
14 mins        public_html/H4/todos/completed.php
14 mins        public_html/Project/view_profile.php
10 mins        lib/functions.php
10 mins        ...lab.app@3306@gs658/alter-template.sql
10 mins        public_html/todos/completed.php
```

100% Task #3 (0.33 pts.) - Reflection

Weight: *33.33%*
Objective: *Reflection*

Sub-Tasks:

100% Task #1 (0.33 pts.) - What did you learn?

Text Prompt

Weight: *33.33%*

Objective: *What did you learn?*

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

I learned how to associate user data in a website, in this case, creating, retrieving, and managing a user's watchlist. I also got better at handling filtering and sorting for pages. After having that unexpected filtering issue and analyzing that page for ages, I was able to understand server-side validation better. I also learned the differentiation between user roles (admin vs regular user) and what things admins are able to do while regular users aren't.

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100%

Task #2 (0.33 pts.) - What was the easiest part of the assignr

Text Prompt

Weight: *33.33%*
Objective: *What was the easiest part of the assignment?*

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

The easiest part of this assignment was coming up with ideas and what to do with the association with users. I decided to do a watchlist, and I actually enjoyed coming up with how exactly to manage the relationship between the user and the movies they add (using user_id and movie_id). Making the admin page of the watchlist was also pretty straight-forward because I knew what I wanted to do.

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100%

Task #3 (0.33 pts.) - What was the hardest part of the assigni

Text Prompt

Weight: *33.33%*
Objective: *What was the hardest part of the assignment?*

Details:
Briefly answer the question (at least a few decent sentences)

Your Response:

The hardest part of this assignment was debugging. Even though coding everything was pretty time-consuming, fixing the bugs when running the site and figuring out where exactly the issue was proved to be a pretty difficult experience for me. It took about one hour to figure out why exactly the filtering wasn't being applied properly, and it was just because I missed one "false" condition in each of the filtering options.

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