



Acme Entertainment Project

WEEKLY REPORT

ICA DESIGN

Caspian Maclean, Andrew Williamson, Ivan Ng

22/11/2021

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SPRINT ONE

In this sprint we analysed and implemented making the web app more suitable for multiple devices of different screen sizes.

The result has been uploaded to our local server, to be accessed at http://192.168.56.102/ICA_Design/

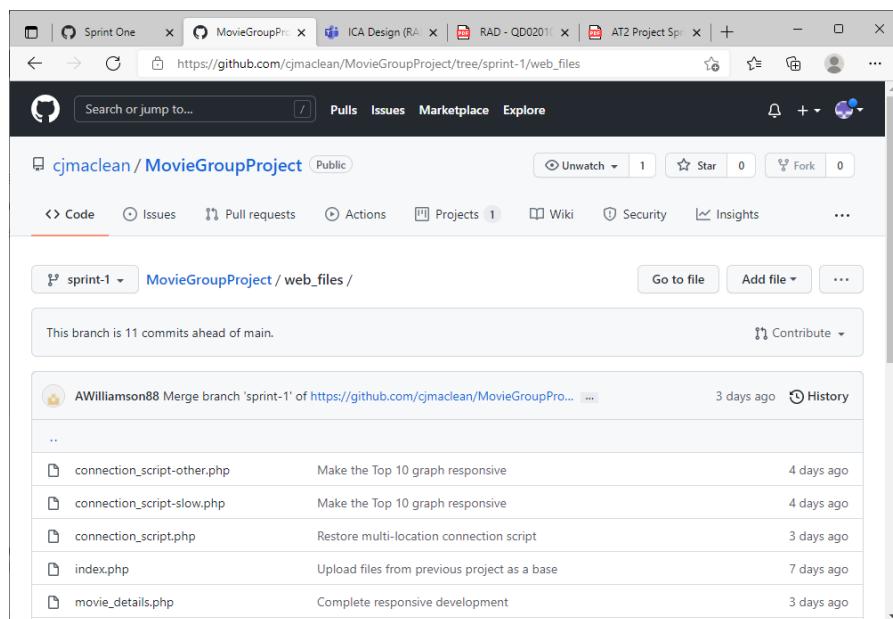
Source Control

The project is using GitHub for source control.

The project is located at <https://github.com/cjmaclean/MovieGroupProject>

For sprint one, the development will be done under a branch “sprint-1”

Team members are using two git clients: GitHub desktop, and TortoiseGit

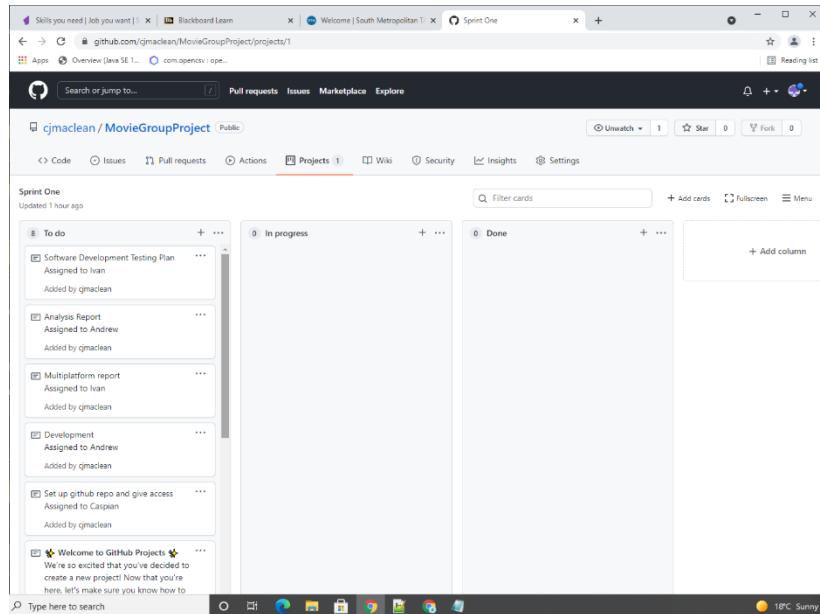


Project GitHub

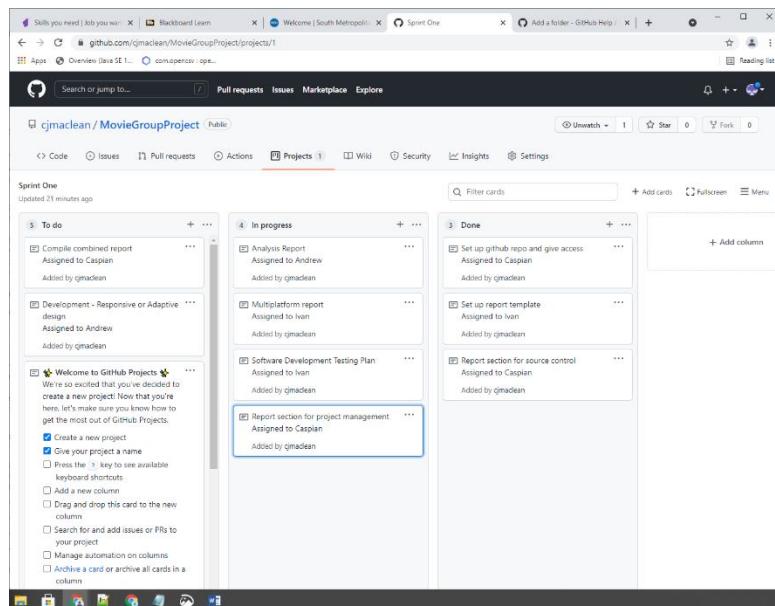
Project Management

GitHub's project Kanban feature will be used for project management. The first Kanban is created in a project called Sprint One inside the repository. The scrum master (Caspian for the first sprint) assigns tasks to the other team members, discussing it in scrum meetings and documenting this on the Kanban board.

Kanban screenshots



Initial Kanban board with tasks assigned



Kanban board later on the first day with some tasks in progress and done



Acme Entertainment Project – Weekly Report

The screenshot shows a GitHub Projects Kanban board titled "Sprint One". It has three columns: "To do", "In progress", and "Done".

- To do:**
 - Compile combined report (Assigned to Caspian)
 - Welcome to GitHub Projects (Added by gjmclean)
 - Create a new project (checkboxes for name, keyboard shortcuts, new column, etc.)
 - Archive a card or archive all cards in a column (Added by gjmclean)
 - Cards (Cards can be added to your board to track the progress of issues and pull requests. You can also add note cards.)
- In progress:**
 - Report section for project management (Assigned to Caspian)
 - Development - Responsive or Adaptive design (Assigned to Andrew)
 - Set up report template (Added by gjmclean)
 - Multipurpose report (Added by Ivan)
 - Report section for source control (Assigned to Caspian)
 - Update connection string to automatically connect on our production or development machines, update database name (Assigned to Ivan)
- Done:**
 - Fix up github repos and give access (Assigned to Caspian)
 - Proof of concept code for hiding some table columns on a small screen. Assigned to Caspian Maclean
 - Set up report template (Assigned to Ivan)
 - Report section for source control (Assigned to Caspian)
 - Update connection string to automatically connect on our production or development machines, update database name (Assigned to Ivan)

Kanban board Wednesday morning with many tasks complete

The screenshot shows the same GitHub Projects Kanban board after some tasks have been completed.

- To do:**
 - Enter a note
 - Add
 - Cancel
 - Rename "New Search" link to "Home" To consider for next sprint. Not assigned (Added by gjmclean)
 - Page through results table 50 items at a time. -- To consider for next sprint. Not assigned (Added by gjmclean)
 - Upload code to server Assigned to Caspian (for Monday) (Added by gjmclean)
- In progress:**
 - Enter a note
 - Add
 - Cancel
 - Try to improve wraparound on movie details page. Assigned to Andrew. Friday (only if it can be done quickly) (Added by gjmclean)
 - Reduce multi-location connection script Assigned to Caspian - Friday, soon after meeting (Added by gjmclean)
 - Report section for project management Assigned to Caspian (Added by gjmclean)
 - Compile combined report Assigned to Caspian (to start Friday) (Added by gjmclean)
 - Software Development Testing Plan Include multiple browsers in test table Assigned to Ivan - Friday (Added by gjmclean)
- Done:**
 - Remove that checkmark before you put in a paragraph. Assigned to Andrew (Added by gjmclean)
 - Report section for source control Assigned to Caspian (Added by gjmclean)
 - Development - Responsive or Adaptive design. Assigned to Andrew (for continuing Thursday) (Added by gjmclean)
 - Update connection string to automatically connect on our production or development machines. update database name. Assigned to Ivan (Added by gjmclean)
 - Analysis Report Assigned to Andrew (Added by gjmclean)
 - Validation Plan Assigned to Ivan (Added by gjmclean)

Kanban board after Friday meeting



Acme Entertainment Project – Weekly Report

The screenshot shows a GitHub Projects Kanban board for 'Sprint One'. It has three columns: 'Backlog', 'To do', and 'In progress'. The 'In progress' column contains several cards, all of which have been moved to the 'Done' column. The 'Done' column now contains the same set of cards. The cards represent various project tasks, such as 'Compile combined report', 'Report section for project management', 'Testing for Sprint One', 'Upload code to server', 'Try to improve wraparound on movie details page', and 'Restore multi-location connection script'. Each card includes a 'Details' link and an 'Assignee' field.

Kanban board after completion on Monday

Meetings and Communication

Meeting minutes and some screenshots from the Teams chat are included below

1/11/2021

Initial Sprint One Meeting - minutes

- Scrum master is decided as Caspian Maclean for Sprint One
- Caspian to set up GitHub repo and give access.
- Caspian to Set up Kanban project within GitHub repo (Project Management Plan)
- Team name is decided – ICA Design
- Choice of base project – we'll look at all.
- We will use responsive design so long as that's consistent with the Multiplatform report.
- Scrum master assigning tasks
- Master template (pick a built-in style) – Ivan.
- Demonstrating our individual projects
- Picking Caspian's base project.
- We'll request to use some Bootstrap.
- Bootstrap use is approved.
- Do we need notes for our other meetings? Only a couple per week. Others don't need notes.
- We well use Teams for meetings.
- Daily updates, we'll do in text on teams, in the morning. What we did, what we will do today, any impediments.

Consultation meetings with Lecturer - minutes

- Can we all just edit the same document instead of the scrum master compiling the parts into one? Answer: no.

3/11/2021

Second Sprint One Meeting - minutes

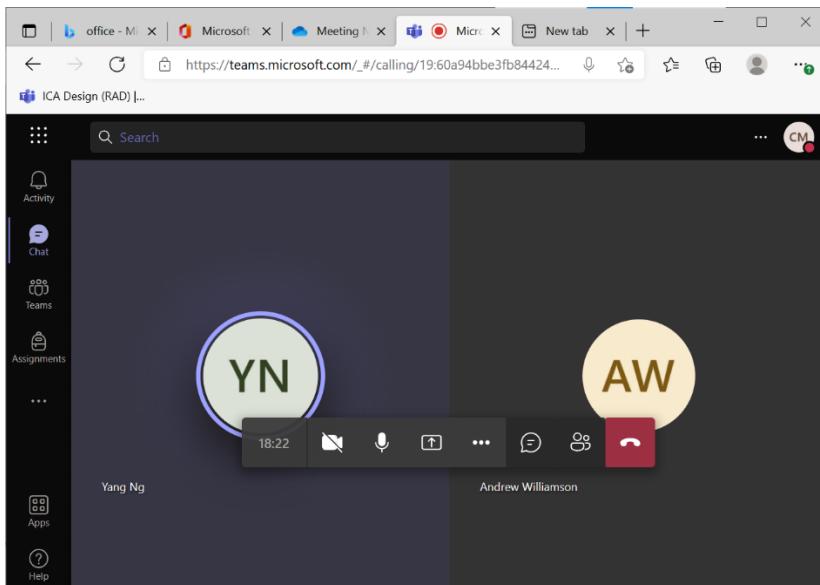
- 9:00 meeting Friday (voice meeting)
- Ivan, no more tasks yet. Maybe test table? Responsiveness. Multi browsers – Edge and Chrome.
- Have a look at the test stuff. Is it enough?
- Possible putting search results on same page as search query. Ivan to look at that briefly today.
- Andrew working on the Responsive code tomorrow.
- Caspian uploading current code to server, to test.

5/11/2021

Third Sprint One Meeting - minutes

- Ivan worked on the Testing document. Should be able to do today.
- Caspian just tested the new version created by Andrew briefly. Today and Sunday, working on integrating reports. Also taking meeting notes and updating Kanban
- Commit the connection script that works in multiple locations – Caspian doing today soon after meeting.
- Ivan and Caspian looked at Andrew's updates to web app – looks good and responsive.
- Andrew did the Responsive code, and fixed error in initial search form.
- Ivan proposed two ideas: show pages of results, e.g. 50 at a time. Rename “New search” to “Home”

For the third meeting we used Teams voice chat

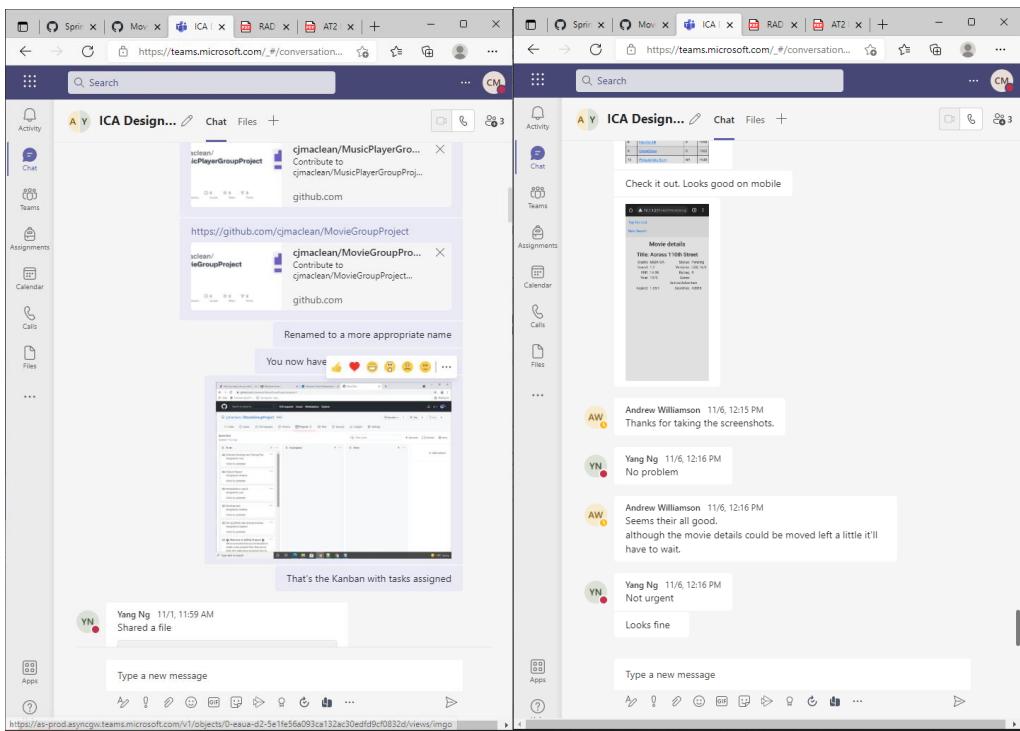


Teams chat

We also kept in communication with Microsoft Teams

Teams chat

We also kept in communication with Microsoft Teams



Teams chat

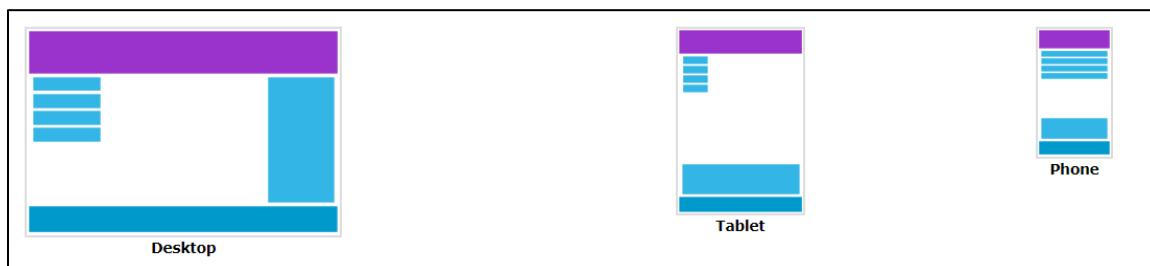
Testing/Validation Plan - Testing Variables

To validate the website we will be testing our project with the variables below and comparing them with our sprints outcome to hopefully see improvement in design and performance

Responsiveness

Responsive design is a website that arranges itself based off the width of the screen. A good responsive design is when different width is present different widgets/objects adjust accordingly to fit itself in an ideal arrangement.

For the project we will be making sure that no movie information gets lost and we need to make sure that text are readable in different screen sizes.



Data Validation

To ensure that the programs search functionality is working correctly in every iteration we will validate various data types to make sure the outcome is accurate to what we've searched for.

A screenshot of a search interface titled "Search movies". It includes fields for "Title" (text input), "Genre" (dropdown menu showing "Dance / Ballet"), "Rating" (dropdown menu showing "NR"), "Year" (text input with a dropdown arrow), and a "Search" button at the bottom.

Analysis

CITE business rules for software development

Coding Standards

The coding standards will reflect the context of the Language and the Clients requirements. In the absence of these criteria CITE developers will default to the industry standard (C# – Microsoft, Java – Oracle)

Coding standards are collections of coding rules, guidelines, and best practices. A coding standards document tells developers how they must write their code. Instead of each developer coding in their own preferred style, they will write all code to the standards outlined in the document. This makes sure that a large project is coded in a consistent style.

Common Aspects of Our Coding Standard:

- Naming Conventions
- File Naming and Organization
- Formatting and Indentation
- Comments and Documentation
- Classes, Functions and Interfaces
- Pointer and Reference Usage
- Testing

All systems and projects will be covered by the following ISO Standard(s)

ISO/IEC/IEEE 12207:2017 Systems and software engineering — Software life cycle processes

User Interface Development Guidelines

The user experience is the most important part of the product as it can give the product a competitive advantage by acting as a differentiator. UX design's main goal is to create solutions that are directly related to the business strategy which will create a holistic and optimized user experience for the user. The following guidelines should be considered a part of the software development.

- **Visibility of system status.** Users should always be informed of system operations with easy to understand and highly visible status displayed on the screen within a reasonable amount of time.
- **Match between system and the real world.** Designers should endeavour to mirror the language and concepts users would find in the real world based on who their target users are. Presenting information in logical order and piggybacking on user's expectations derived from their real-world experiences will reduce cognitive strain and make systems easier to use.

- **User control and freedom.** Offer users a digital space where backward steps are possible, including undoing and redoing previous actions.
- **Consistency and standards.** Interface designers should ensure that both the graphic elements and terminology are maintained across similar platforms. For example, an icon that represents one category or concept should not represent a different concept when used on a different screen.
- **Error prevention.** Whenever possible, design systems so that potential errors are kept to a minimum. Users do not like being called upon to detect and remedy problems, which may on occasion be beyond their level of expertise. Eliminating or flagging actions that may result in errors are two possible means of achieving error prevention.
- **Recognition rather than recall.** Minimize cognitive load by maintaining task-relevant information within the display while users explore the interface. Human attention is limited and we are only capable of maintaining around five items in our short-term memory at one time. Due to the limitations of short-term memory, designers should ensure users can simply employ recognition instead of recalling information across parts of the dialogue. Recognizing something is always easier than recall because recognition involves perceiving cues that help us reach into our vast memory and allowing relevant information to surface. For example, we often find the format of multiple choice questions easier than short answer questions on a test because it only requires us to recognize the answer rather than recall it from our memory.
- **Flexibility and efficiency of use.** With increased use comes the demand for less interactions that allow faster navigation. This can be achieved by using abbreviations, function keys, hidden commands and macro facilities. Users should be able to customize or tailor the interface to suit their needs so that frequent actions can be achieved through more convenient means.
- **Aesthetic and minimalist design.** Keep clutter to a minimum. All unnecessary information competes for the user's limited attentional resources, which could inhibit user's memory retrieval of relevant information. Therefore, the display must be reduced to only the necessary components for the current tasks, whilst providing clearly visible and unambiguous means of navigating to other content.
- **Help users recognize, diagnose and recover from errors.** Designers should assume users are unable to understand technical terminology, therefore, error messages should almost always be expressed in plain language to ensure nothing gets lost in translation.
- **Help and documentation.** Ideally, we want users to navigate the system without having to resort to documentation. However, depending on the type of solution, documentation may be necessary. When users require help, ensure it is easily located, specific to the task at hand and worded in a way that will guide them through the necessary steps towards a solution to the issue they are facing.

(CITE MANAGED SERVICES, 2021)

CITE Managed Services Quality Assurance

CITE Managed Services has implemented a Quality Management System (QMS) comprising a complex set of engineering and managerial activities that ensure bespoke quality of delivered software throughout the entire workflow.

Quality Management Systems Tasks and Objectives

- Elaboration and implementation of procedures and regulations for software development process based on industry standards and best practices;
- Product lifecycle monitoring to ensure compliance with established processes and guidelines
- Product quality verification and validation to ensure that it complies with clients' business needs and expectations;
- Establishment of an effective collaboration between all project team members.

Quality Planning

CITE Managed Services puts together quality plans that govern the applicable set of standards, regulations, procedures, guidelines and tools during the development lifecycle in each project.

Quality Assurance

We have established processes that evaluate project performance and aim to assure that quality standards are being followed and that the deliverables comply with customer requirements.

Quality Control

We measure performance trends to identify defective pieces of code, verify that deliverables are of high quality and that they are complete and correct.

Independent QA Department

CITE Managed Services QA department is an independent structural subdivision. Our QA team consists of skilled QA engineers who get involved in projects on a dedicated or an on-demand basis. The allocation of QA engineers depends on project size and complexity: they can be easily reallocated from one project to another upon necessity. Such flexibility allows us to optimize efforts and, thus, the overall project budget. Our QA Department is responsible for:

- Full-cycle QA Testing
- Document and Code Reviews
- Defect Tracking
- Configuration Management
- Process Monitoring
- Risk Management

QA that is Weaved into the Development Lifecycle

CITE Managed Services performs quality assurance throughout the entire software development lifecycle with QA team members being involved at all stages. A Lead QA specialist is assigned at the commencement of each project and is involved into initial business analysis and requirements specification. Such a simultaneous interaction of our development and QA teams provides for a better understanding of the project scope and the client's business objectives. A typical QA lifecycle at CITE Managed Services includes the following phases:

1. INITIATION AND PLANNING – Project specification analysis, test plan elaboration and team assignment
2. FIRST REVIEW – Initial testing of first development deliverables, refining the test plan and test items (if necessary).
3. ITERATION AUDITS – Ongoing testing of intermediate iterations builds
4. FINAL VERIFICATION AND VALIDATION – Final product testing to ensure bespoke quality and readiness for deployment.

We utilize the full spectrum of test types as to ensure that your project enjoys in-depth quality assurance:

- Functional and Regression Testing;
- GUI and Usability Testing;
- Accessibility Testing;
- Compatibility Testing;
- Performance Testing;
- Installation / Configuration Testing;
- System / Integration Testing;
- Security Testing;
- Internationalization / Localization Testing;
- User Acceptance Testing (UAT).

(CITE MANAGED SERVICES, 2021)

Acme Entertainment Pty Ltd development requirements

- Multi-Platform Report on the merits of the two design options currently used; adaptive and responsive.
- Choose the best option and rework the prototype.
- Modified version is to be presented at the Sprint One assessment point by the first Scrum Master.
- The development or migration of the movie database can be hosted on the cloud or suitable local server.
- Ensure your Lecturer is advised on this decision.

- Conduct and record suitable testing of the completed sprint one development, include this information in the Testing Plan.

Multiplatform Report - Adaptive vs Responsive Design

Responsive Design

Definition

Responsive design is a style in designing a website for the purpose of having elements of websites fit in available space based of the width of the browser. When the browser changes the width content dynamically change in size or rearrange itself to fit in the website.

Pros and Cons

Pros	Con
Uniform and seamless	Longer mobile load times
SEO friendly	Elements can move around
Often easier to implement with many already available CSS frameworks	Ads can get lost on screen

Adaptive Design

Definition

Adaptive design is when a website has multiple fixed layout sizes. When the browser opens it will choose which layout is appropriate for the space that's available. When resizing the browser, the design won't change until it reaches another layouts size.

Pros and Cons

Pros	Con
Allows designers to design the best UI/UX for the appropriate device	Can be labor intensive as there's generally 3 different design per page
Increase in load times	Hard to maintain
Advertising monetization	Because it's labor intensive it is also expensive

What we went for

As a team we've decided for the movie project to go with a responsive design approach. Because of the short amount of time we are given to complete this project it only made sense to go with responsive design as it's less labor intensive.



Sprint One Testing

Test Methods

Regression Testing

One of the methods of testing we'll be using for this project is regression testing. Because we'll be implementing a lot of features, we'll need to make sure we test thoroughly to make sure any new feature won't have broken any previous feature.

End to End Testing

Another method we'll be using will be end to end testing or e2e for short. E2e is a method used to test the functionality and performance of the application by simulating user actions and user experience.

Test Table

Test #	Browser	Test Description	Expected Result	Actual Result	Result Screenshot
1	Chrome	Search movie title	Table of movie search results	As Expected	Ref Figure 1
2	Chrome	Search movie title and genre	Table of movie search results	As Expected	Ref Figure 2
3	Chrome	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 3
4	Chrome	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 4
5	Chrome	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 5
6	Chrome	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 6
7	Chrome	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 7

8	Chrome	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 8
9	Chrome	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 9
10	Chrome	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 10
11	Chrome	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 11
12	Edge	Search movie title	Table of movie search results	As Expected	Ref Figure 12
13	Edge	Search movie title and genre	Table of movie search results	As Expected	Ref Figure 13
14	Edge	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 14
15	Edge	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 15
16	Edge	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As Expected	Ref Figure 16

17	Edge	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 17
18	Edge	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 18
19	Edge	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information	As Expected	Ref Figure 19
20	Edge	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 20
21	Edge	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 21
22	Edge	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As Expected	Ref Figure 22

Screen Captures

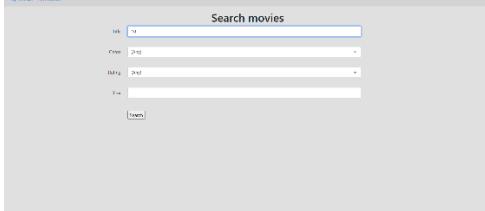
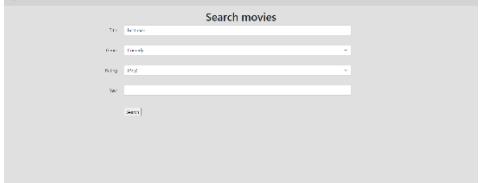
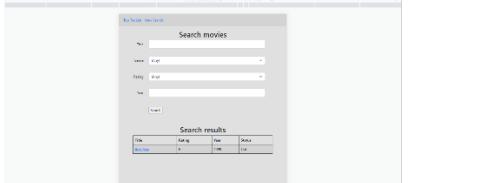
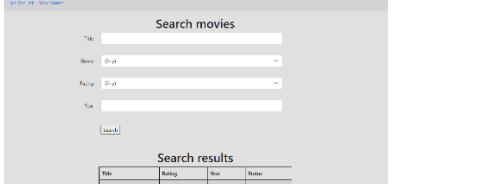
Figure 1:		
Figure 2:		
Figure 3:		
Figure 4:		
Figure 5:		
Figure 6:		

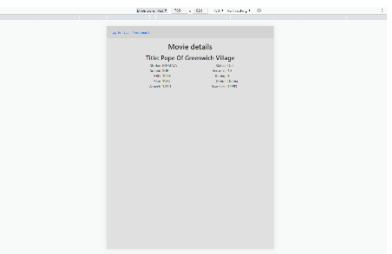
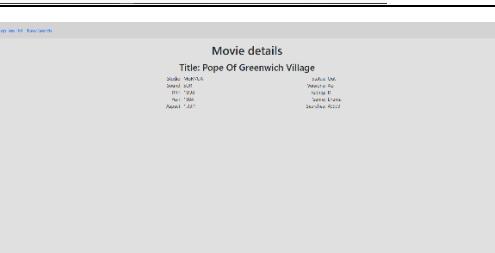
	Figure 7: 	
	Figure 8: 	
	Figure 9: 	
	Figure 10: 	
Figure 11:	Movie details Title: Pope Of Greenwich Village Release date: 2004-01-01 Genre: Drama, Thriller IMDb rating: 7.2/10 Rotten Tomatoes: 67% Metacritic: 67/100 Age Rating: PG-13 	

Figure 12:	<p>The screenshot shows a search interface titled "Search movies". It includes fields for Title, Genre, Rating, and Year, each with dropdown menus. A "Search" button is at the bottom right. The interface is displayed on a "Dimensions Desktop 160" screen.</p>	<p>The screenshot shows search results for movies. The results table has columns for Title, Rating, Year, and Status. One result is listed: "3 Strikes" with rating "R" and status "Out". The interface is displayed on a "Dimensions Desktop 160" screen.</p>
Figure 13:	<p>The screenshot shows the same search interface as Figure 12, but on a larger "Dimensions Desktop 180" screen. The layout is identical, with fields for Title, Genre, Rating, and Year, and a "Search" button.</p>	<p>The screenshot shows the same search results interface as Figure 12, but on a larger "Dimensions Desktop 180" screen. The results table shows the movie "3 Strikes" with rating "R" and status "Out".</p>
Figure 14:	<p>The screenshot shows the search interface on a mobile device with dimensions "Pixel 2" (411 x 731). The layout is identical to the desktop versions, with fields for Title, Genre, Rating, and Year, and a "Search" button. The results table shows the movie "3 Strikes" with rating "R" and status "Out".</p>	

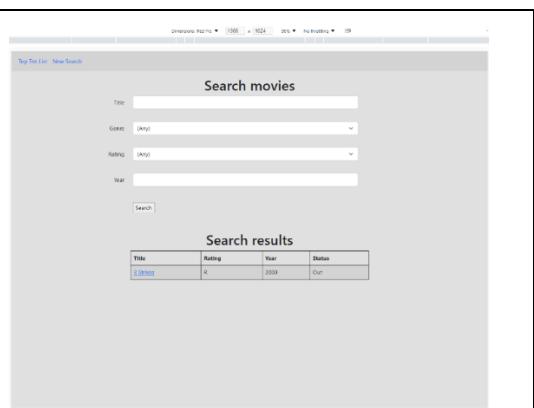
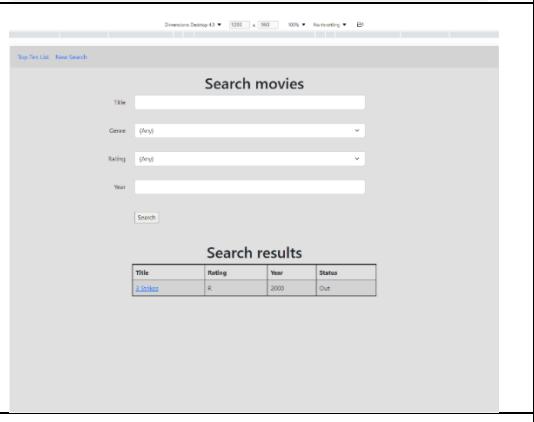
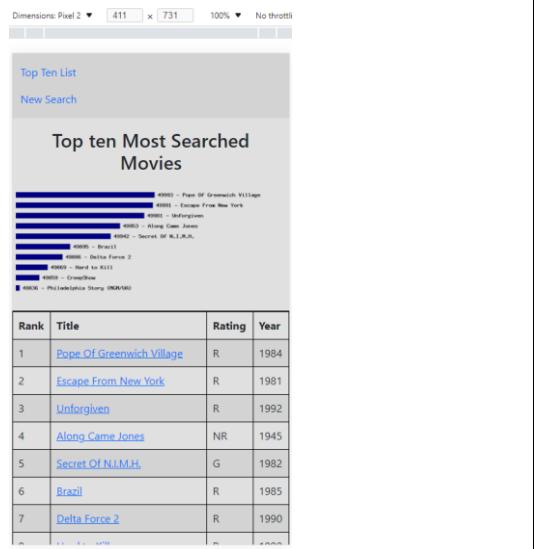
Figure 15:	 <p>The screenshot shows a search interface titled "Search movies". It includes fields for Title, Genre (Any), Rating (Any), and Year. Below the search form is a table titled "Search results" with columns for Title, Rating, Year, and Status. One row is visible, showing "Lions" with a rating of "R", year "2009", and status "Out".</p>																																	
Figure 16:	 <p>The screenshot shows a search interface titled "Search movies". It includes fields for Title, Genre (Any), Rating (Any), and Year. Below the search form is a table titled "Search results" with columns for Title, Rating, Year, and Status. One row is visible, showing "Lions" with a rating of "R", year "2009", and status "Out".</p>																																	
Figure 17:	 <p>The screenshot shows a list titled "Top Ten Most Searched Movies" with a bar chart and a table. The bar chart shows the number of searches for various movies. The table lists the top 7 movies with their titles, ratings, and years.</p> <table border="1"><thead><tr><th>Rank</th><th>Title</th><th>Rating</th><th>Year</th></tr></thead><tbody><tr><td>1</td><td>Pope Of Greenwich Village</td><td>R</td><td>1984</td></tr><tr><td>2</td><td>Escape From New York</td><td>R</td><td>1981</td></tr><tr><td>3</td><td>Unforgiven</td><td>R</td><td>1992</td></tr><tr><td>4</td><td>Along Came Jones</td><td>NR</td><td>1945</td></tr><tr><td>5</td><td>Secret Of N.I.M.H.</td><td>G</td><td>1982</td></tr><tr><td>6</td><td>Brazil</td><td>R</td><td>1985</td></tr><tr><td>7</td><td>Delta Force 2</td><td>R</td><td>1990</td></tr></tbody></table>	Rank	Title	Rating	Year	1	Pope Of Greenwich Village	R	1984	2	Escape From New York	R	1981	3	Unforgiven	R	1992	4	Along Came Jones	NR	1945	5	Secret Of N.I.M.H.	G	1982	6	Brazil	R	1985	7	Delta Force 2	R	1990	
Rank	Title	Rating	Year																															
1	Pope Of Greenwich Village	R	1984																															
2	Escape From New York	R	1981																															
3	Unforgiven	R	1992																															
4	Along Came Jones	NR	1945																															
5	Secret Of N.I.M.H.	G	1982																															
6	Brazil	R	1985																															
7	Delta Force 2	R	1990																															

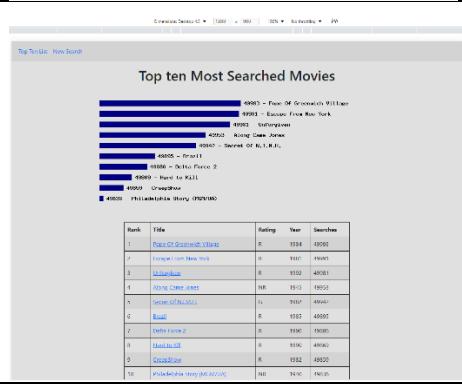
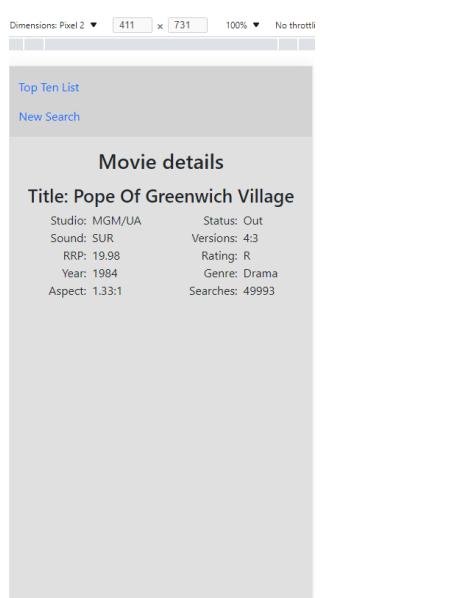
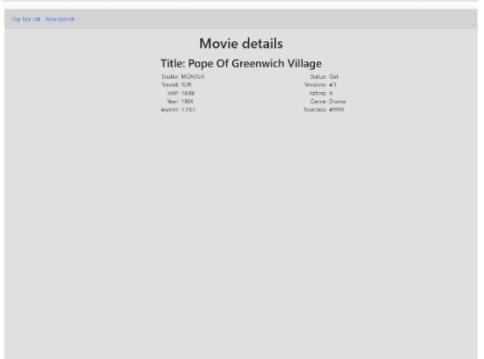
Figure 18:	 <p>The screenshot shows a search results page titled "Top Ten List - New Search". The title "Top ten Most Searched Movies" is displayed above a horizontal bar chart. Below the chart is a table listing the top 10 movies with their titles, years, ratings, and search counts.</p> <table border="1"><thead><tr><th>Rank</th><th>Title</th><th>Rating</th><th>Year</th><th>Searches</th></tr></thead><tbody><tr><td>1</td><td>Pope Of Greenwich Village</td><td>R</td><td>1984</td><td>49993</td></tr><tr><td>2</td><td>Empire State Building</td><td>R</td><td>1953</td><td>49991</td></tr><tr><td>3</td><td>Untouchables</td><td>R</td><td>1983</td><td>49991</td></tr><tr><td>4</td><td>Delta Force</td><td>NR</td><td>1985</td><td>49991</td></tr><tr><td>5</td><td>Delta Force 2</td><td>R</td><td>1987</td><td>49991</td></tr><tr><td>6</td><td>Hard To Kill</td><td>R</td><td>1987</td><td>49991</td></tr><tr><td>7</td><td>Untouchables</td><td>R</td><td>1983</td><td>49991</td></tr><tr><td>8</td><td>Empire State</td><td>R</td><td>1953</td><td>49991</td></tr><tr><td>9</td><td>Untouchables</td><td>R</td><td>1983</td><td>49991</td></tr><tr><td>10</td><td>Philadelphia Story (1940)</td><td>NR</td><td>1940</td><td>49991</td></tr></tbody></table>	Rank	Title	Rating	Year	Searches	1	Pope Of Greenwich Village	R	1984	49993	2	Empire State Building	R	1953	49991	3	Untouchables	R	1983	49991	4	Delta Force	NR	1985	49991	5	Delta Force 2	R	1987	49991	6	Hard To Kill	R	1987	49991	7	Untouchables	R	1983	49991	8	Empire State	R	1953	49991	9	Untouchables	R	1983	49991	10	Philadelphia Story (1940)	NR	1940	49991	
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Figure 20:	 <p>The screenshot shows a movie details page for "Pope Of Greenwich Village". The page includes a "Top Ten List" section and a "Movie details" section. The "Movie details" section displays the following information:</p> <table><tr><td>Studio: MGM/UA</td><td>Status: Out</td></tr><tr><td>Sound: SUR</td><td>Versions: 4:3</td></tr><tr><td>RRP: 19.98</td><td>Rating: R</td></tr><tr><td>Year: 1984</td><td>Genre: Drama</td></tr><tr><td>Aspect: 1.33:1</td><td>Searches: 49993</td></tr></table>	Studio: MGM/UA	Status: Out	Sound: SUR	Versions: 4:3	RRP: 19.98	Rating: R	Year: 1984	Genre: Drama	Aspect: 1.33:1	Searches: 49993																																														
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Figure 21:	 <p>A screenshot of a movie details page from a database. The title is "Pope Of Greenwich Village". Studio: MIRamax. Year: 1998. Rating: PG. Runtime: 2h 1m. Votes: 4,124. Genres: Comedy, Drama. Search ID: 40991.</p>	
Figure 22:	 <p>A screenshot of a movie details page from a database. The title is "Pope Of Greenwich Village". Studio: MIRamax. Year: 1998. Rating: PG. Runtime: 2h 1m. Votes: 4,124. Genres: Comedy, Drama. Search ID: 40991.</p>	

SPRINT TWO

In this sprint we implemented a user registration system where people who use the web application can register for the newsletter and/or the news updates. The web application was also required to allow the users to de-register and an admin to login to view a list of registered users. The admin also needed the ability to register and de-register the users.

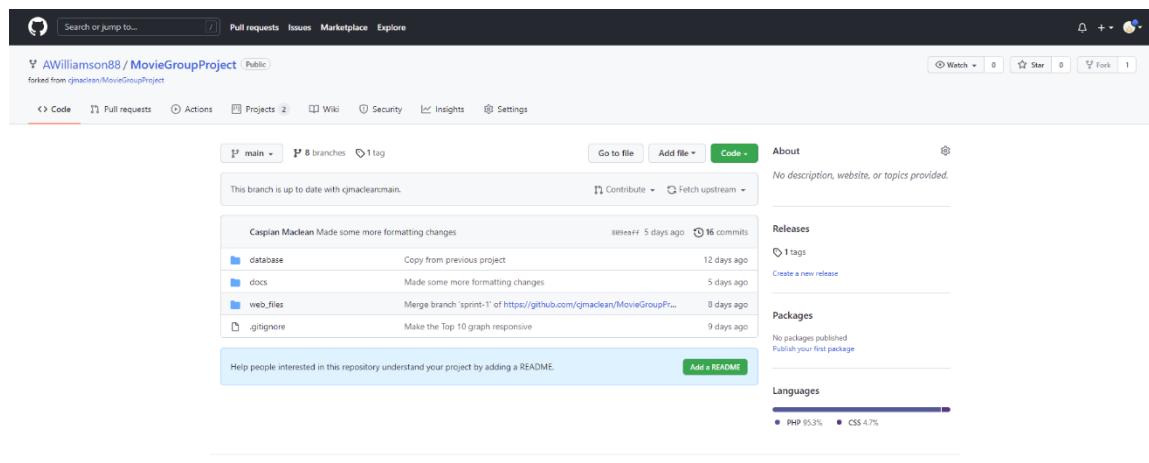
Scrum Master for Sprint Two: Andrew Williamson

The result has been uploaded to our local server, to be accessed at
http://192.168.56.102/ICA_Design/

Source Control

For this sprint the source control was transferred from Caspian Maclean's GitHub account to Andrew Williamson's. This was to facilitate project management as Andrew Williamson was the scrum master for this sprint.

The main branch for this sprint will be sprint-2 however as the requirements for this sprint can be more easily split among multiple team members most of the work will be done on other branches. This allows different people to work on different features on different branches.



The screenshot shows the GitHub repository page for 'Andrew Williamson88 / MovieGroupProject'. The repository is public and forked from 'cjmaclean/MovieGroupProject'. The main branch is 'main' with 8 branches and 1 tag. The repository has 16 commits, with the latest being 'Caspian Maclean Made some more formatting changes' 5 days ago. The repository includes sections for Releases (1 tag), Packages (no packages published), and Languages (PHP 95.3%, CSS 4.7%). The footer includes links to GitHub's Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

Project on GitHub



Project Management

For this sprint we used the same GitHub Kanban board system that we used in the first sprint.

For this sprint we created a new project titled sprint 2 to contain the Kanban boards.

Kanban screenshots

The screenshot shows a GitHub Kanban board for the 'Sprint Two' project. The board has three columns: 'To do', 'In progress', and 'Done'. The 'To do' column contains tasks like 'Un-register Check Box', 'First name', 'Last name', 'Email', and 'Assigned to Caspian'. The 'In progress' column contains tasks like 'Create Membership Database' (with sub-tasks: First name, Last name, Email, Registered for news letter, Registered for news flash) and 'Home Page' (with sub-tasks: Welcome Text, Image of movie). The 'Done' column contains tasks like 'Software Review Plan' (with sub-tasks: Application Functions Correctly) and 'Performance Report' (Assigned to Andrew). The board is updated 6 minutes ago.

Kanban board Monday 8th with most tasks assigned and some in progress.

The screenshot shows the same GitHub Kanban board for 'Sprint Two' on Wednesday. The 'To do' column now includes a note input field and a 'Cancel' button. The 'In progress' column shows tasks like 'Admin Page' (Form Made, View all members, Remove member from list), 'Registration Page' (New Letter Check Box, News Notifications Check Box, Un-Register Check Box, First name), and 'Performance Report' (Assigned to Andrew). The 'Done' column contains tasks like 'Create Membership Database' (with sub-tasks: First name, Last name, Email, Registered for news letter, Registered for news flash) and 'Home Page' (Welcome Text, Image of movie). The board is updated 2 days ago.

Kanban board Wednesday 10th, some jobs complete and more in progress.



Acme Entertainment Project – Weekly Report

Sprint Two
Updated 8 minutes ago

To do (2) In progress (2) Done (6)

- To do:**
 - Update Software Testing Plan
 - Admin can login test
 - Admin can view all members
 - Admin can de-register a member.Assigned to Caspian
Added by AWilliamson88
 - Update Software Testing Plan
 - People can register their full name and email.
 - Register form requires First name, Last name & a valid email.
 - New Users added to database.Assigned to Ivan
Added by AWilliamson88
- In progress:**
 - Admin Page
 - Form Made
 - View all members
 - Remove member from listAssigned to Caspian
Added by AWilliamson88
 - Master Document
 - Add Source Control Snapshot
 - Add Software Review Plan
 - Add Performance Report
 - Update Project Management Plan
 - Update Software Testing Plan
 - Ensure all documentation is properly formatted
 - Ensure all topics are covered using common terminologyAssigned to Andrew
Added by AWilliamson88
- Done:**
 - Registration Page
 - New Letter Check Box
 - News Notifications Check Box
 - Un Register Check Box
 - First name
 - Last name
 - Email
 - Functionality (Registering)Assigned to Ivan
Added by AWilliamson88
 - Create Membership Database
 - First name
 - Last name
 - Email
 - Registered for news letter
 - Registered for news flashAssigned to Caspian
Added by AWilliamson88
 - Home Page
 - Welcome Text
 - Image of movieAssigned to Ivan

Filter cards + Add cards Fullscreen Menu

Kanban board after Friday's voice meeting.

Sprint Two
Updated 2 days ago

To do (0) In progress (0) Done (11)

- To do:**(empty)
- In progress:**(empty)
- Done:**
 - Master Document
 - Add Source Control Snapshot
 - Add Software Review Plan
 - Add Performance Report
 - Update Project Management Plan
 - Update Software Testing Plan
 - Ensure all documentation is properly formatted
 - Ensure all topics are covered using common terminologyAssigned to Andrew
Added by AWilliamson88
 - Test The Application
 - Test documentation complete
 - All sprint two requirements testedAssigned to Caspian & Ivan
Added by AWilliamson88
 - Registration Page
 - New Letter Check Box
 - News Notifications Check Box
 - Un Register Check Box

Filter cards + Add cards Fullscreen Menu

Kanban board Monday morning, all work complete

Meetings and Communication

Meeting minutes and some screenshots from the Teams chat are included below.

Initial Sprint Two Meeting - minutes

08/11/2021

- New scrum master – Andrew Williamson
- Software Review Plan assigned to Andrew Williamson (Scrum master)
- Performance Report assigned to Andrew Williamson (Scrum master)
- New colour scheme will be decided on together and implemented as we progress.
- Creating the membership database was assigned to Caspian Maclean
- Creating the admin page and its functionality was assigned to Caspian Maclean
- The home page was assigned to Ivan Ng (Yang Beng)
- Creating the registration page and its functionality was assigned to Ivan Ng (Yang Beng)
- Updating the Test plan was assigned to Ivan Ng (Yang Beng)

Second Sprint Two Meeting – minutes

10/11/2021

- Planned another voice meeting on Friday 12th at 9.30AM
- Caspian has completed the admin form and layout.
- Caspian started working on the admin functionality
- Ivan completed the home page, navigation bar upgrade, registration form layout
- Ivan has started working on the registration functionality
- Andrew has completed the Software Review Plan
- Andrew has started the Performance Report

Second Sprint Three Meeting – minutes

12/11/2021

- Ivan has completed the registration page including the functionality and validation
- Ivan has begun updating the Test plan for the sections he worked on
- Caspian has completed the admin login, registered users list, and updating the test document for his sections of the app
- Caspian currently creating the admin controls for de-registering a user.
- Andrew has completed the Performance Report and began updating the master document

Teams

The screenshot shows a Microsoft Teams chat window titled "ICA Design (RAD)". The left sidebar lists various team channels: Activity, Chat, Teams, Assignments, Calendar, Calls, Files, Apps, and Help. The "Chat" channel is selected. The "Recent" section shows messages from "ICA Design (RAD)" at 9:05 am and "Yang Ng" at 1/11. The main pane displays a message from Caspian MacLean at 12:15 pm regarding an SQL file named "test_ica_movies_db.sql". Below the message, there are two call history entries: "9:31 am Call ended 50s" and "9:45 am Call ended 13m 51s". A message from Caspian MacLean is shown as "Caspian MacLean is typing ...". The bottom of the screen features a toolbar with icons for search, file attachments, and other communication options.

Teams chat after the third sprint two meeting.

Software Review Plan

This plan will outline what criteria the final Movie Database application will be tested on. This is to make sure the final application meets the appropriate standard of quality, design, and functionality.

Criteria Testing

Appearance	Yes	No
Good use of colour?		
Is it pleasant to look at?		
Is the structure properly organized?		
Is there a header and a footer?		
Is there a logo?		
Is the navigation well designed?		

Functionality	Yes	No
Does the navigation work?		
Can you search by any combination of movie criteria including a partial title?		
Does the application show all the movie's details?		
Does it have a Top 10 chart?		
Can users register/unregister for an email newsletter?		

User Experience	Yes	No
Is the application easy to use?		
Is the text large enough to read comfortably?		
Is the navigation and layout intuitive?		
Is the design interesting?		

Responsiveness	Yes	No
Is the application visually appealing on mobile screens?		
Does it still work on a mobile sized interface?		
Is the application visually appealing on tablet screens?		
Does it still work on a tablet sized interface?		
Is the application visually appealing on desktop monitors?		
Does it still work on desktop computer?		

Accessibility and Readability	Yes	No
Does the application work on different browsers?		
Does the application work on different types of devices?		
Does the text remain large enough to read on different screen sizes?		
Do any images have alt text to explain what they are?		

This software review plan is designed to give the reviewed application a score out of 25. This score can then be divided by five and the resulting number can be considered the applications star rating.

Performance Report

Introduction

When it comes to quality assurance for web-based applications, performance testing is a vital step. Performance testing reveals how efficient the application is and how well it works under pressure. Today websites are expected to respond quickly and function normally regardless of how many people may be using them at the same time. Therefore, proper testing is an important part of any quality assurance process.

Performance Criteria

Although there are many aspects that can affect performance, when it comes to web applications the main considerations are speed and reliability.

Performance Speed

Today websites are expected to respond within a maximum of 0.3 seconds, any longer than that and people begin to feel that the website is simply too slow. It's quite normal for people to leave a website with a slightly longer response time and go looking for a faster one. When testing the speed of a web application it is important to verify how long each aspect of the application takes to perform its functions. This means testing the html, CSS, bootstrap, PHP, database and any other code to see how long they take to operate.

Performance Reliability

Load testing is the method for determining the reliability of a web application. When load testing it is important to estimate the maximum number of people that would be using the web servers at any single time and then determine how fast it would be expected to respond. Testing under those conditions will reveal how reliable the web application truly is.

Performance Tools

Developer Tools

When developing a web application, the first and most convenient performance analysis tool available is the developer tools built into some web browsers. For instance some of Google Chrome's performance tools allow you to test and record how long your website takes to load and how it operates while you are using it, among many other things. This data can show you what features on your site are the greatest load-time wasters.

Third-Party Software

There are also many other applications out there that are designed for performance testing. Many of these can not only test the website but also the server side of the

application by creating tens of thousands of simulated users to access the site at the same time.

Code Optimisers

Code optimizer are another way to improve the performance of an application by improving the efficiency and removing any ambiguous or log winded code. Some code optimisers can also spot errors and/or potential errors that may cause problems further down the line.

CSS Optimisers

CSS optimisers often include the ability to:

- Simplify the code making sure there are no unnecessary or duplicate commands.
- Remove all the white space. The computer doesn't need the white space to read and understand the CSS commands so removing them can reduces the file size and increase load times.
- Compress the file into a much smaller size. Often this can decrease the size of the file to only a tenth of what it was.

Code Sniffer

Code sniffer is a very popular tool for optimizing code as it not only works for PHP, CSS and JavaScript but is can also be adjusted to use different coding standards. Code Sniffer also comes with XAMPP, potentially the most popular free development server.

Sprint Two Testing

Test Table

Test #	Browser	Test Description	Expected Result	Actual Result	Result Screenshot
1	Chrome	Search movie title	Table of movie search results	As expected	Figure 1
2	Chrome	Search movie title and genre	Table of movie search results	As expected	Figure 2
3	Chrome	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 3
4	Chrome	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 4
5	Chrome	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As expected	Figure 5

6	Chrome	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information		Figure 6
7	Chrome	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information		Figure 7
8	Chrome	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information		Figure 8
9	Chrome	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information		Figure 9

10	Chrome	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 10
11	Chrome	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 11
12	Edge	Search movie title	Table of movie search results	As expected	Figure 12
13	Edge	Search movie title and genre	Table of movie search results	As expected	Figure 13
14	Edge	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 14
15	Edge	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 15
16	Edge	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As expected	Figure 16
17	Edge	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information	As expected	Figure 17

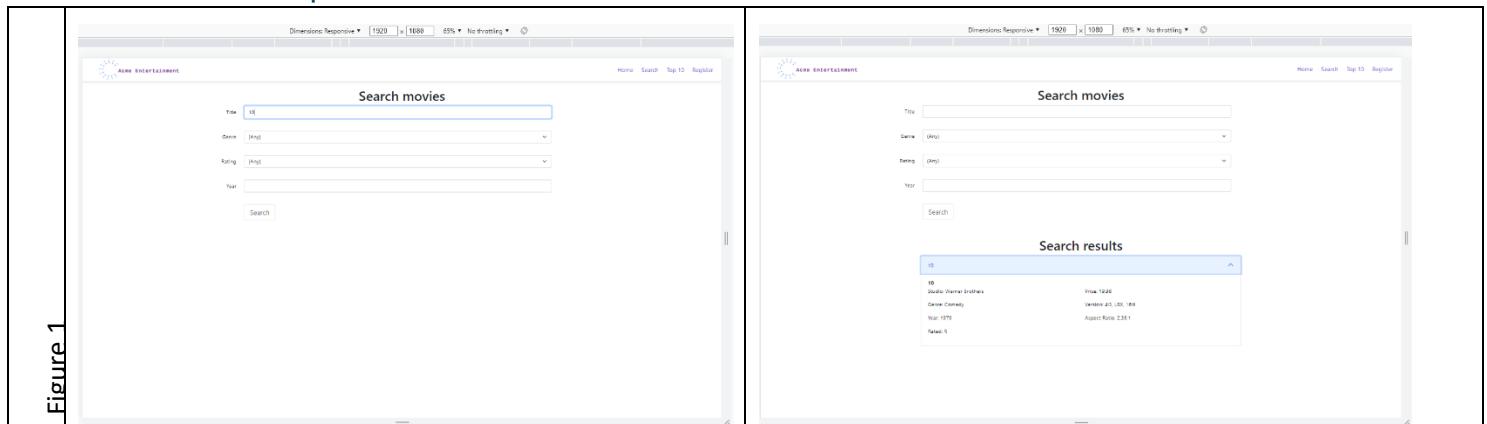
18	Edge	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 18
19	Edge	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 19
20	Edge	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 20
21	Edge	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 21
22	Edge	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 22
23	Chrome	Open admin.php	Form displays without showing members	As expected	Figure 23
24	Chrome	Click button to show members on admin page	Form displays and members shown in table	As expected	Figure 24
25	Chrome	Test responsiveness with mobile resolution on admin page	Shows page responsiveness with necessary information	As expected	Figure 25

26	Chrome	Test responsiveness with desktop on admin page	Shows page responsiveness with necessary information	As expected	Figure 26
27	Chrome	Unsubscribe member using table link on the admin page	All subscriptions cleared for member	As expected	Figure 27
28	Chrome	Unsubscribe member using e-mail field on the admin page	All subscriptions cleared for member	As expected	Figure 28
29	Chrome	Unsubscribe non-existent member using e-mail field on the admin page	Web page says there is no member with the e-mail address.	As expected	Figure 29
30	Edge	Test responsiveness with mobile resolution on admin page	Shows page responsiveness with necessary information	As expected (acceptable but not great, due to wrapping of word "E-mail")	Figure 30
31	Edge	Test responsiveness with desktop on admin page	Shows page responsiveness with necessary information	As expected	Figure 31
32	Chrome	Register valid user	User gets registered	As expected	Figure 32
33	Chrome	Attempt register with bad email	Error message	As expected	Figure 33

34	Chrome	Attempt to register with missing first name	Error message		
				As expected	Figure 34
35	Chrome	Attempt register with missing last name	Error message		
				As expected	Figure 35
36	Edge	Register valid user	User gets registered		
				As expected	Figure 36
37	Edge	Attempt register with bad email	Warning displayed		
				As expected	Figure 37
38	Edge	Attempt to register with missing first name	Warning displayed		
				As expected	Figure 38
39	Edge	Attempt register with missing last name	Warning displayed		
				As expected	Figure 39

Screen Captures

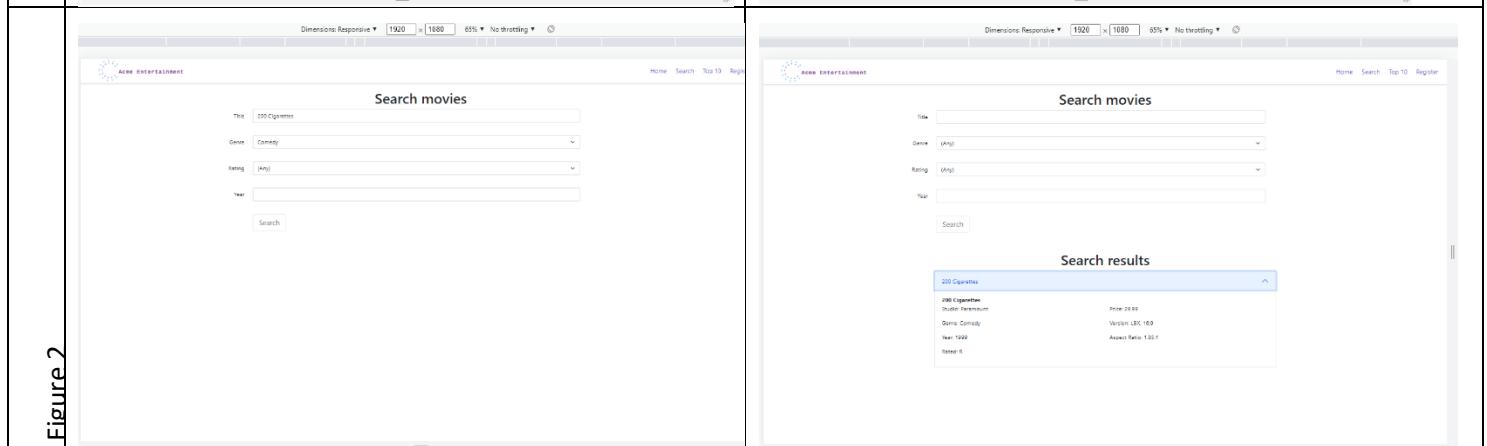
Figure 1



The screenshot shows a search interface for movies. The search bar contains 'id'. The results table shows one entry:

ID	Title	Studio	Genre	Year	Rating	Price	Version	Aspect Ratio
10	Studio Warner Brothers	Comedy	1970	R	24.99	LBX, 16:9	2.35:1	

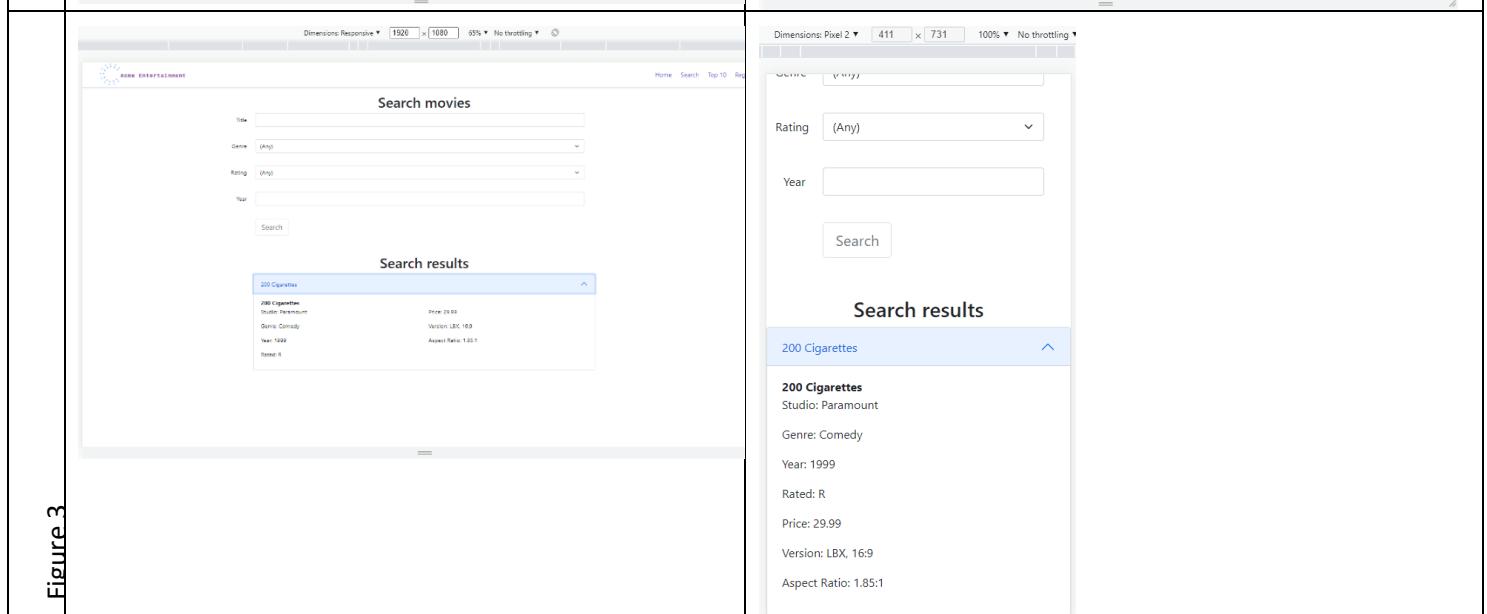
Figure 2



The screenshot shows a search interface for movies. The search bar contains '200 Cigarettes'. The results table shows one entry:

ID	Title	Studio	Genre	Year	Rating	Price	Version	Aspect Ratio
200 Cigarettes	Studio Paramount	Comedy	1999	R	29.99	LBX, 16:9	1.85:1	

Figure 3



The screenshot shows a search interface for movies. The search bar contains '200 Cigarettes'. The results table shows one entry:

ID	Title	Studio	Genre	Year	Rating	Price	Version	Aspect Ratio
200 Cigarettes	Studio Paramount	Comedy	1999	R	29.99	LBX, 16:9	1.85:1	

Figure 4

The screenshot shows a mobile application interface for the Acme Entertainment Project. At the top, there is a navigation bar with links for Home, Search, Top 10, and Register. Below this is a search form titled "Search movies" with fields for Title, Genre (set to "Any"), Rating (set to "Any"), and Year. A "Search" button is present. Below the search form is a section titled "Search results" showing one result: "200 Cigarettes". The details for this movie include Studio: Paramount, Price: 29.99, Version: LBX 16:9, Aspect Ratio: 1.85:1, and Rated: R.

Figure 5

The screenshot shows a desktop browser window displaying the Acme Entertainment Project search interface. The layout is identical to Figure 4, featuring a search form with fields for Title, Genre, Rating, and Year, followed by a "Search" button and a "Search results" section showing the movie "200 Cigarettes". The detailed information for "200 Cigarettes" is identical to Figure 4: Studio: Paramount, Price: 29.99, Version: LBX 16:9, Aspect Ratio: 1.85:1, and Rated: R.

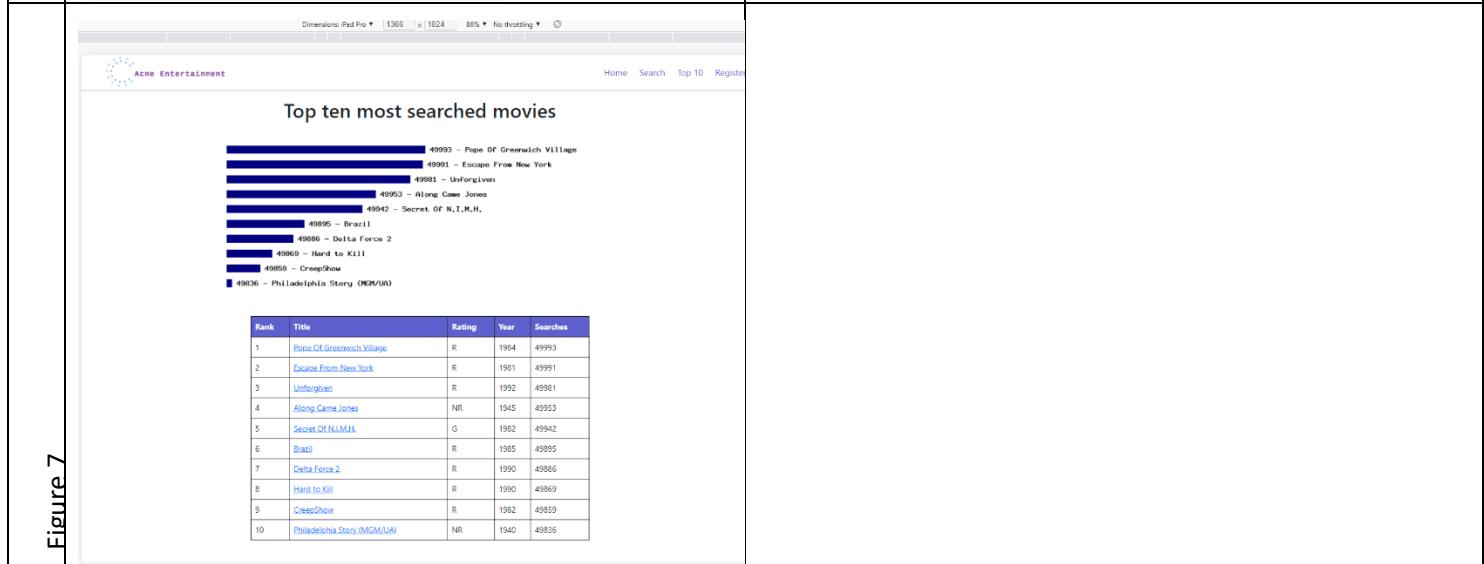
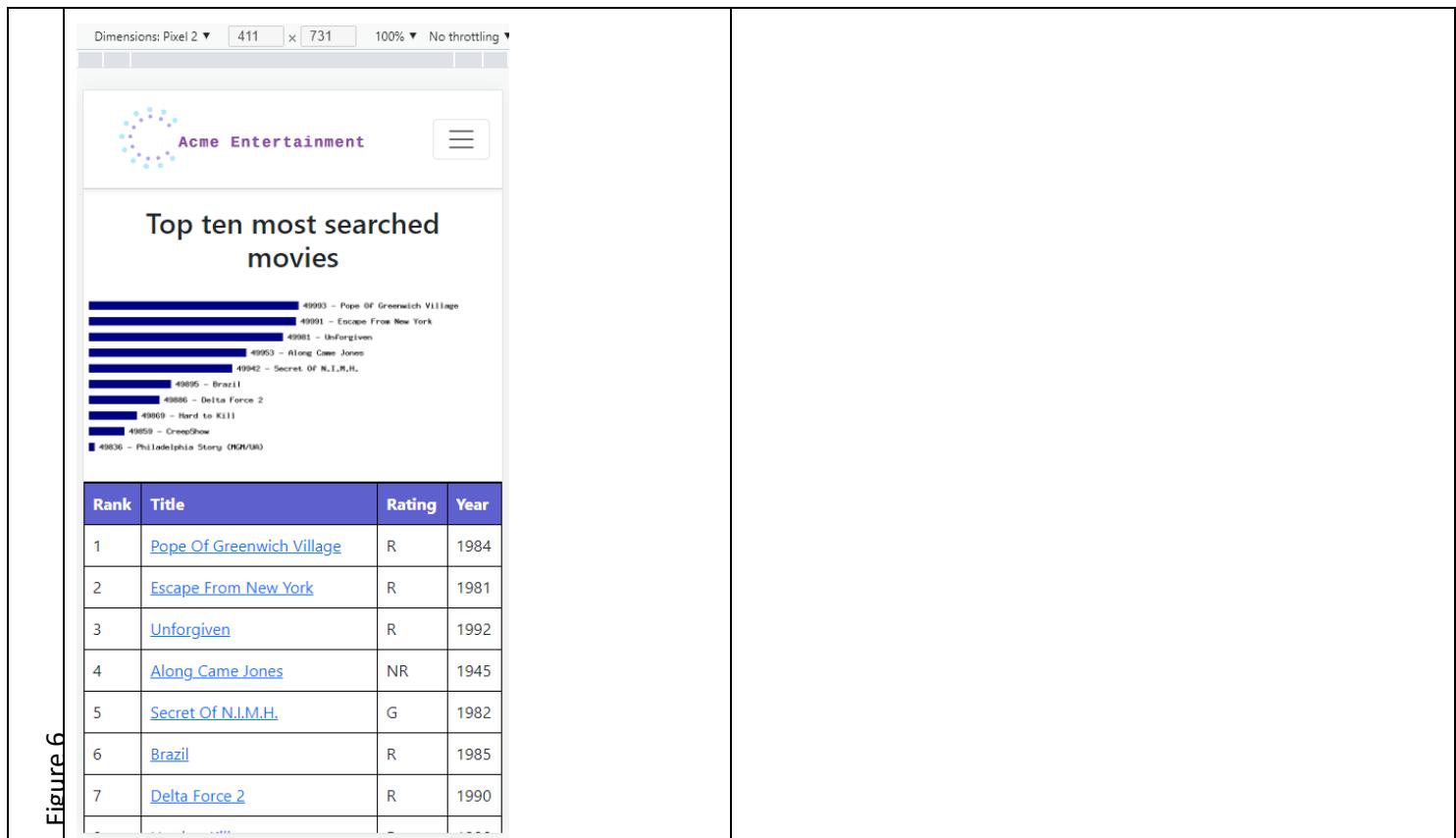


Figure 8

The screenshot shows a web browser window with the following details:

- Dimensions: Desktop 4:3 ▾ 1024 x 768 100% ▾ No throttling ▾
- Page Title: Acme Entertainment
- Navigation: Home, Search, Top 10, Register
- Section: Top ten most searched movies
- List of movies (titles and IDs):
 - 49993 - Pope Of Greenwich Village
 - 49991 - Escape From New York
 - 49981 - Unforgiven
 - 49953 - Along Came Jones
 - 49942 - Secret Of N.I.M.H.
 - 49895 - Brazil
 - 49886 - Delta Force 2
 - 49869 - Hard to Kill
 - 49859 - CreepShow
 - 49836 - Philadelphia Story (MGM/UA)
- Table: Top ten most searched movies (ranked 1-5)

Rank	Title	Rating	Year	Searches
1	Pope Of Greenwich Village	R	1984	49993
2	Escape From New York	R	1981	49991
3	Unforgiven	R	1992	49981
4	Along Came Jones	NR	1945	49953
5	Secret Of N.I.M.H.	G	1982	49942

Figure 9

The screenshot shows a web browser window with the following details:

- Dimensions: Pixel 2 ▾ 411 x 731 100% ▾ No throttling ▾
- Page Title: Acme Entertainment
- Section: Movie details
- Title: Escape From New York
- Movie Information:

Studio: MGM/UA	Status: Out
Sound: SUR	Versions: 4:3, LBX, 16:9
RRP: 19.98	Rating: R
Year: 1981	Genre: SciFi
Aspect: 2.35:1	Searches: 49991

Figure 10

Dimensions: iPad Pro ▾ 1366 x 1924 89% ▾ No throttling ▾

Acme Entertainment

Home Search Top 10 Register

Movie details

Title: Escape From New York

Studio: MGM/UA	Status: Out
Sound: SUR	Versions: 43, LBX, 16:9
RRP: 19.98	Rating: R
Year: 1981	Genre: SciFi
Aspect: 2.35:1	Searches: 49991

Figure 11

Dimensions: Desktop 4:3 ▾ 1024 x 768 100% ▾ No throttling ▾

Acme Entertainment

Home Search Top 10 Register

Movie details

Title: Escape From New York

Studio: MGM/UA	Status: Out
Sound: SUR	Versions: 43, LBX, 16:9
RRP: 19.98	Rating: R
Year: 1981	Genre: SciFi
Aspect: 2.35:1	Searches: 49991

Figure 12

Search movies

Title:

Genre:

Rating:

Year:

Search

Search movies

Title:

Genre:

Rating:

Year:

Search

Search results

Payback

Figure 13

The screenshot shows a search form titled "Search movies". It includes fields for Title (containing "love%"), Genre (set to "Comedy"), Rating (set to "(Any)"), and Year (empty). Below the form is a "Search" button.

The screenshot shows the search results page with the title "SEARCH MOVIES". It displays three movie titles: "Love And Death", "Love And Death On Long Island", and "Lovesick". Each title has a dropdown arrow next to it.

Figure 14

The screenshot shows the search interface on an iPhone 6/7/8 Plus device. The search form is identical to Figure 13. The search results page shows the same three movies: "Love And Death", "Love And Death On Long Island", and "Lovesick".

The screenshot shows the search results page on an iPhone 6/7/8 Plus device. It displays the same three movies: "Love And Death", "Love And Death On Long Island", and "Lovesick".

Figure 15

The screenshot shows the search interface on an iPad device. The search form is identical to Figure 13. The search results page shows the same three movies: "Love And Death", "Love And Death On Long Island", and "Lovesick".

The screenshot shows the search results page on an iPad device. It displays the same three movies: "Love And Death", "Love And Death On Long Island", and "Lovesick".



Acme Entertainment Project – Weekly Report

Figure 16

Search movies

Title:

Genre: (Any)

Rating: (Any)

Year:

Search

Search results

- Love And Death
- Love And Death On Long Island
- Lovesick

Figure 17

Top ten most searched movies

Rank	Title	Rating	Year
1	Pope Of Greenwich Village	R	1984
2	Escape From New York	R	1981
3	Unforgiven	R	1992
4	Along Came Jones	NR	1945
5	Secret Of N.I.M.H.	G	1982

Figure 18

The screenshot shows the Acme Entertainment website with a red header containing the ICA DESIGN logo. Below the header, there's a navigation bar with links for Home, Search, Top 10, and Register. The main content area features a title "Top ten most searched movies" above a horizontal bar chart. The chart lists the top 10 movies with their search counts: 49993 - Pope Of Greenwich Village (49993), 49991 - Escape From New York (49991), 49981 - Unforgiven (49981), 49953 - Along Came Jones (49953), 49942 - Secret Of N.I.M.H. (49942), 49895 - Brazil (49895), 49886 - Delta Force 2 (49886), 49869 - Hard to Kill (49869), 49859 - CreepShow (49859), and 49836 - Philadelphia Story (MGM/UA) (49836). Below the chart is a table listing the same 10 movies with their details: Rank, Title, Rating, Year, and Searches.

Rank	Title	Rating	Year	Searches
1	Pope Of Greenwich Village	R	1984	49993
2	Escape From New York	R	1981	49991
3	Unforgiven	R	1992	49981
4	Along Came Jones	NR	1945	49953
5	Secret Of N.I.M.H.	G	1982	49942
6	Brazil	R	1985	49895
7	Delta Force 2	R	1990	49886
8	Hard to Kill	R	1990	49869
9	CreepShow	R	1982	49859
10	Philadelphia Story (MGM/UA)	NR	1940	49836

Figure 19

This screenshot shows the same Acme Entertainment website content as Figure 18, but it is displayed within a web browser window. The browser interface includes tabs for "Top ten most searched movies" and "Top ten searched movies". The main content area is identical to Figure 18, featuring the title, bar chart, and the detailed table of the top 10 movies.

Figure 20

Movie details

Title: Brazil

Studio: Universal	Status: Out
Sound: SUR	Versions: LBX
RRP: 24.98	Rating: R
Year: 1985	Genre: SciFi
Aspect: 1.85:1	Searches: 49895

Movie details

Title: Brazil

Studio: Universal	Status: Out
Sound: SUR	Versions: LBX
RRP: 24.98	Rating: R
Year: 1985	Genre: SciFi
Aspect: 1.85:1	Searches: 49895

Figure 21

Movie details

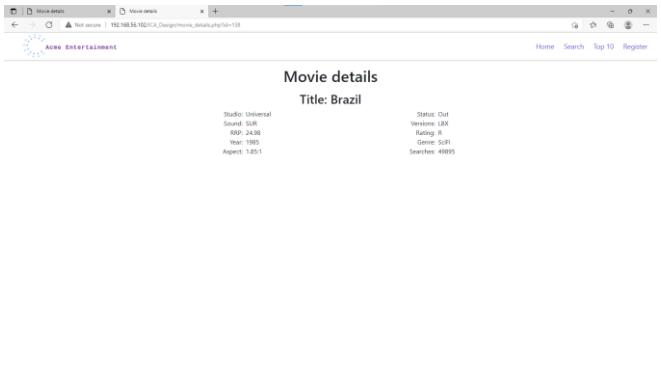
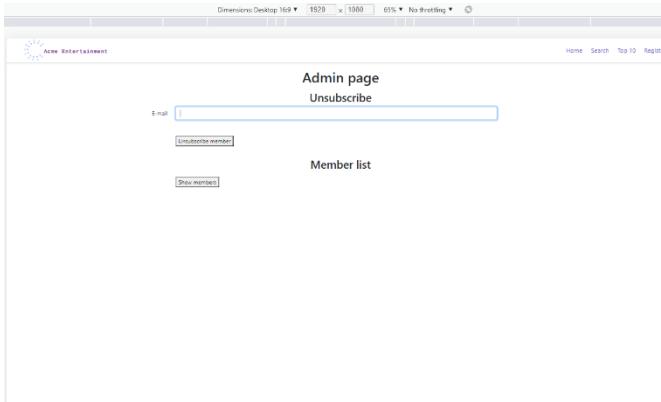
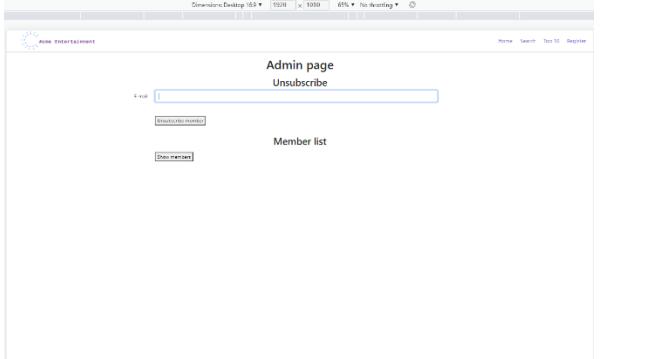
Title: Brazil

Studio: Universal	Status: Out
Sound: SUR	Versions: LBX
RRP: 24.98	Rating: R
Year: 1985	Genre: SciFi
Aspect: 1.85:1	Searches: 49895

Movie details

Title: Brazil

Studio: Universal	Status: Out
Sound: SUR	Versions: LBX
RRP: 24.98	Rating: R
Year: 1985	Genre: SciFi
Aspect: 1.85:1	Searches: 49895

Figure 22	 <p>The screenshot shows the 'Movie details' page for the movie 'Brazil'. The title is 'Brazil'. Below it, there is a summary table:</p> <table border="1"><tr><td>Studio: Universal</td><td>Status: Out</td></tr><tr><td>Genre: Sci-Fi</td><td>Version: 1.0.0</td></tr><tr><td>RSP: 24.98</td><td>Rating: R</td></tr><tr><td>Year: 1985</td><td>Genre: Sci-Fi</td></tr><tr><td>Aspect: 1.85:1</td><td>Searches: 49995</td></tr></table>	Studio: Universal	Status: Out	Genre: Sci-Fi	Version: 1.0.0	RSP: 24.98	Rating: R	Year: 1985	Genre: Sci-Fi	Aspect: 1.85:1	Searches: 49995											
Studio: Universal	Status: Out																					
Genre: Sci-Fi	Version: 1.0.0																					
RSP: 24.98	Rating: R																					
Year: 1985	Genre: Sci-Fi																					
Aspect: 1.85:1	Searches: 49995																					
Figure 23	 <p>The screenshot shows the 'Admin page' with the title 'Member list'. It includes fields for 'E-mail' and 'Unsubscribe'.</p>																					
Figure 24	 <p>The screenshot shows the 'Admin page' with the title 'Member list'. It includes fields for 'E-mail' and 'Unsubscribe'. Below is a table showing member details:</p> <table border="1"><thead><tr><th>Full name</th><th>E-mail address</th><th>Subscribed to newsletter</th><th>Subscribed to notifications</th><th>Newsletter</th></tr></thead><tbody><tr><td>Zephryn Vilekot</td><td>zephryn.vilekot@acmedata.com</td><td>No</td><td>Yes</td><td>Newsletter</td></tr><tr><td>Audrey Wilmot</td><td>audrey.wilmot@acmedata.com</td><td>Yes</td><td>No</td><td>Newsletter</td></tr><tr><td>Jane Smith</td><td>jane.smith@acmedata.com</td><td>No</td><td>No</td><td>Newsletter</td></tr></tbody></table>	Full name	E-mail address	Subscribed to newsletter	Subscribed to notifications	Newsletter	Zephryn Vilekot	zephryn.vilekot@acmedata.com	No	Yes	Newsletter	Audrey Wilmot	audrey.wilmot@acmedata.com	Yes	No	Newsletter	Jane Smith	jane.smith@acmedata.com	No	No	Newsletter	
Full name	E-mail address	Subscribed to newsletter	Subscribed to notifications	Newsletter																		
Zephryn Vilekot	zephryn.vilekot@acmedata.com	No	Yes	Newsletter																		
Audrey Wilmot	audrey.wilmot@acmedata.com	Yes	No	Newsletter																		
Jane Smith	jane.smith@acmedata.com	No	No	Newsletter																		



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Dimensions: Responsive ▾ 504 x 838 100% ▾ No throttling ▾

Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Caspian Maclean	caspianmaclean@example.com	no	yes	Unsubscribe member
Andrew Williamson	aw@example.com	yes	no	Unsubscribe member
John Smith	j.smith@hotmail.com	no	no	Unsubscribe member

Admin page
Unsubscribe

E-mail

[Unsubscribe member](#)

Member list

[Show members](#)

Figure 25

Dimensions: Desktop 4:3 ▾ 1024 x 768 100% ▾ No throttling ▾

Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Caspian Maclean	caspianmaclean@example.com	no	yes	Unsubscribe member
Andrew Williamson	aw@example.com	yes	no	Unsubscribe member
John Smith	j.smith@hotmail.com	no	no	Unsubscribe member

Admin page
Unsubscribe

E-mail

[Unsubscribe member](#)

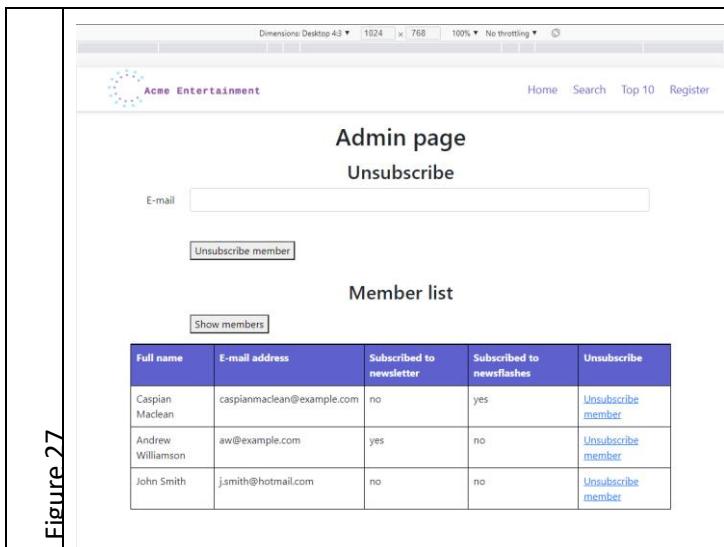
Member list

[Show members](#)

Home Search Top 10 Register

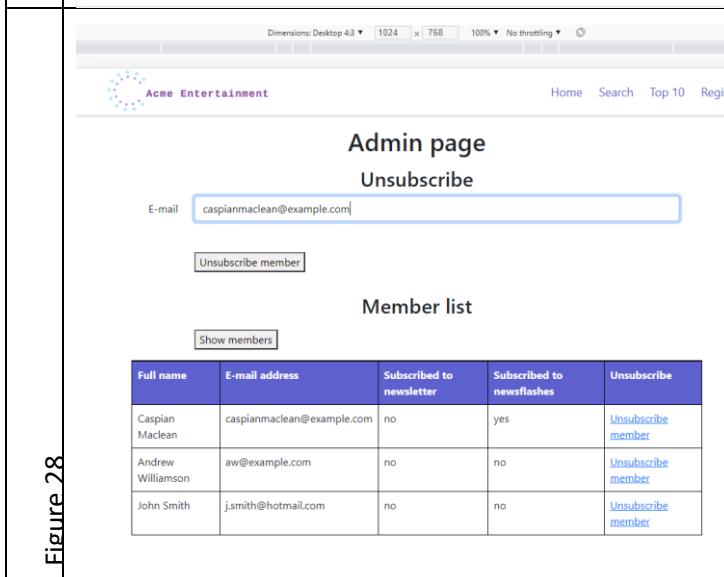
Figure 26

Figure 27



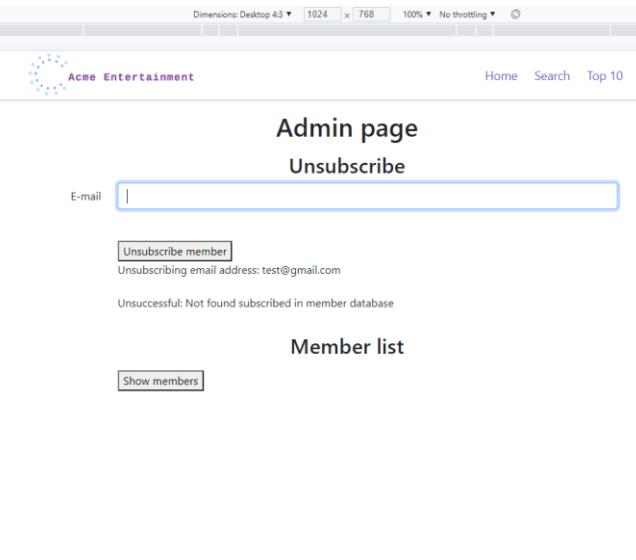
Full name	E-mail address	Subscribed to newsletter	Subscribed to newssflashes	Unsubscribe
Caspian Maclean	caspianmaclean@example.com	no	yes	Unsubscribe member
Andrew Williamson	aw@example.com	yes	no	Unsubscribe member
John Smith	j.smith@hotmail.com	no	no	Unsubscribe member

Figure 28



Full name	E-mail address	Subscribed to newsletter	Subscribed to newssflashes	Unsubscribe
Caspian Maclean	caspianmaclean@example.com	no	yes	Unsubscribe member
Andrew Williamson	aw@example.com	no	no	Unsubscribe member
John Smith	j.smith@hotmail.com	no	no	Unsubscribe member

Figure 29



Admin page

Unsubscribe

E-mail

Unsubscribe member

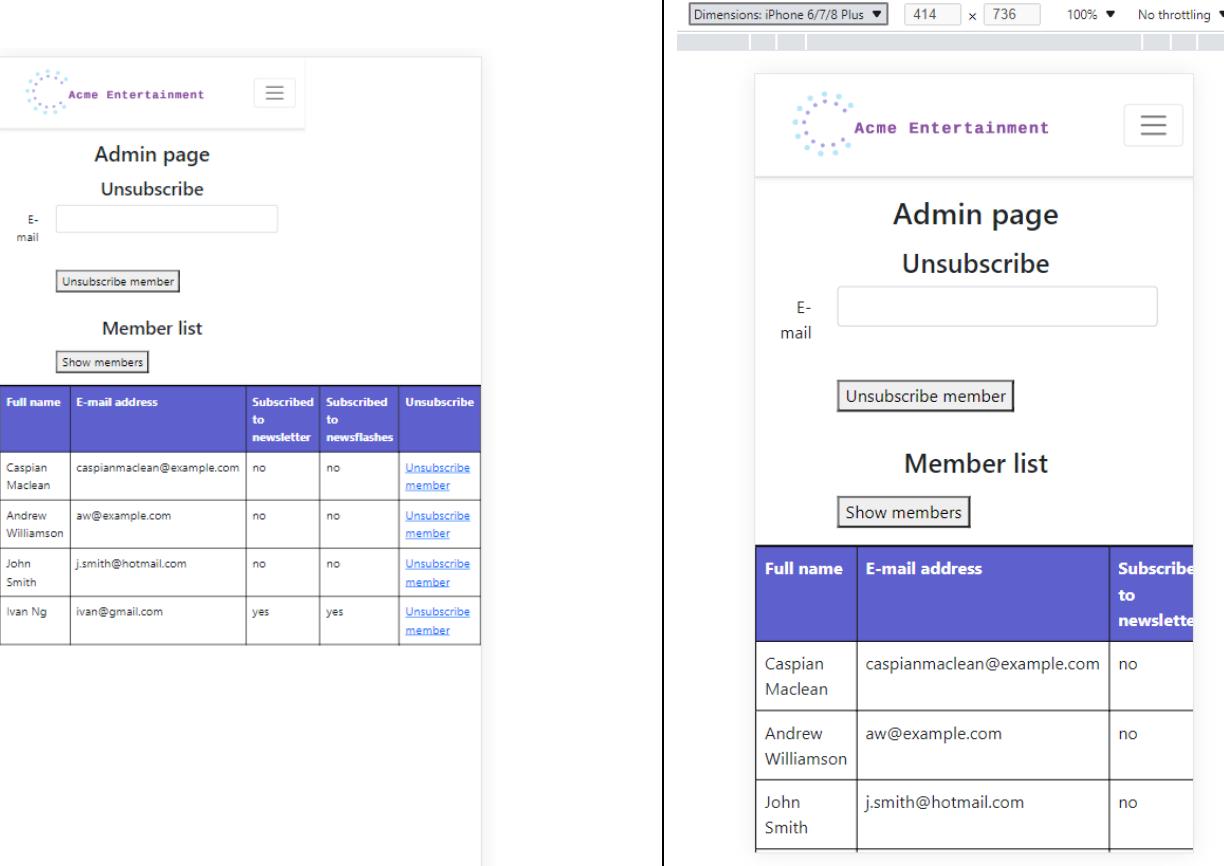
Unsubscribing email address: test@gmail.com

Unsuccessful: Not found subscribed in member database

Member list

Show members

Figure 30



Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Caspian Maclean	caspianmaclean@example.com	no	no	Unsubscribe member
Andrew Williamson	aw@example.com	no	no	Unsubscribe member
John Smith	j.smith@hotmail.com	no	no	Unsubscribe member
Ivan Ng	ivan@gmail.com	yes	yes	Unsubscribe member

Full name	E-mail address	Subscribed to newsletter
Caspian Maclean	caspianmaclean@example.com	no
Andrew Williamson	aw@example.com	no
John Smith	j.smith@hotmail.com	no

Figure 31	<p>Admin page</p> <p>Unsubscribe</p> <p>E-mail <input type="text"/></p> <p><input type="button" value="Unsubscribe member"/></p> <p>Member list</p> <p><input type="button" value="Show members"/></p> <table border="1"> <thead> <tr> <th>Full name</th> <th>E-mail address</th> <th>Subscribed to newsletter</th> <th>Subscribed to newsletters</th> <th>Unsubscribe</th> </tr> </thead> <tbody> <tr> <td>Cecilie MacLean</td> <td>cecilmaclean@example.com</td> <td>no</td> <td>no</td> <td><input type="button" value="Unsubscribe member"/></td> </tr> <tr> <td>Andrea Williamson</td> <td>aw@example.com</td> <td>no</td> <td>no</td> <td><input type="button" value="Unsubscribe member"/></td> </tr> <tr> <td>John Smith</td> <td>jsmith@hotmail.com</td> <td>no</td> <td>no</td> <td><input type="button" value="Unsubscribe member"/></td> </tr> <tr> <td>Ivan Ng</td> <td>ivan@gmail.com</td> <td>yes</td> <td>yes</td> <td><input type="button" value="Unsubscribe member"/></td> </tr> </tbody> </table>	Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe	Cecilie MacLean	cecilmaclean@example.com	no	no	<input type="button" value="Unsubscribe member"/>	Andrea Williamson	aw@example.com	no	no	<input type="button" value="Unsubscribe member"/>	John Smith	jsmith@hotmail.com	no	no	<input type="button" value="Unsubscribe member"/>	Ivan Ng	ivan@gmail.com	yes	yes	<input type="button" value="Unsubscribe member"/>	
Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe																							
Cecilie MacLean	cecilmaclean@example.com	no	no	<input type="button" value="Unsubscribe member"/>																							
Andrea Williamson	aw@example.com	no	no	<input type="button" value="Unsubscribe member"/>																							
John Smith	jsmith@hotmail.com	no	no	<input type="button" value="Unsubscribe member"/>																							
Ivan Ng	ivan@gmail.com	yes	yes	<input type="button" value="Unsubscribe member"/>																							
Figure 32	<p>Register to our program</p> <p>Get the latest update from us:</p> <p>First Name: Ivan Last Name: Ng Email: ivan@gmail.com</p> <p><input type="checkbox"/> I'd like to receive emails with any news. <input checked="" type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news feed</p> <p><input type="button" value="Register"/></p> <p>Designed by ICA Design</p>	<p>Thank you for registering!</p> <p>You can always unsubscribe by clicking on an email sent to your mailbox!</p> <p><input type="button" value="Back to home"/></p>																									
Figure 33	<p>Register to our program</p> <p>Get the latest update from us:</p> <p>First Name: Ivan Last Name: Ng Email: ivan</p> <p><input type="checkbox"/> I'd like to receive emails with any news. <input checked="" type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news feed</p> <p><input type="button" value="Register"/></p> <p>Designed by ICA Design</p>	<p>Thank you for registering!</p> <p>You can always unsubscribe by clicking on an email sent to your mailbox!</p> <p><input type="button" value="Back to home"/></p>																									
Figure 34	<p>Register to our program</p> <p>Get the latest update from us:</p> <p>First Name: Ivan first name Last Name: Ng Email: ivan</p> <p><input type="checkbox"/> I'd like to receive emails with any news. <input checked="" type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news feed</p> <p><input type="button" value="Register"/></p> <p>Designed by ICA Design</p>																										

Figure 35

Dimensions: Desktop 169 • 1920 | x | 1080 | 55% • No rotating

Acme Entertainment

Home Search Top 10 Register

Register to our program

Get the latest update from us!

First Name: Enter first name

Last Name: Enter last name

Email: Ivan

We'll never share your email with anyone else.

Register for our newsletter

Register for our news flash

Register

[To unregister click here to contact an admin](#)

Designed by ICA Design

Figure 36

Admin page

Unsubscribe

E-mail:

Member list

Show members

Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe member
Caspian Maclean	caspianmaclean@example.com	no	no	Unsubscribe member
Andrew Williamson	aw@example.com	no	no	Unsubscribe member
John Smith	jsmith@hotmail.com	no	no	Unsubscribe member
Ivan Ng	ivan@gmail.com	yes	yes	Unsubscribe member

Register

Thank you for registering!

You can always unregister by sending us an email! But for now enjoy your membership!

[Back to home](#)

program

Get the latest update from us!

First Name: Linus

Looks good!

Last Name: Torvalds

Looks good!

Email: lt@kernel.org

Looks good!

We'll never share your email with anyone else.

Register for our newsletter

Register for our news flash

Register

Admin page

Unsubscribe

E-mail:

Member list

Show members

Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe member
Caspian Maclean	caspianmaclean@example.com	no	no	Unsubscribe member
Andrew Williamson	aw@example.com	no	no	Unsubscribe member
John Smith	jsmith@hotmail.com	no	no	Unsubscribe member
Ivan Ng	ivan@gmail.com	yes	yes	Unsubscribe member
Linus Torvalds	lt@kernel.org	yes	no	Unsubscribe member

Figure 37

Admin page

Home

Bing

Not secure | 192.168.56.102/ICA_Design/register.php

Acme Entertainment

Home Search Top 10 Register

Register to our program

Get the latest update from us!

First Name: Linus

Last Name: Brown

Email: nothing

We'll never share your email with anyone else.

Register for our newsletter

Register for our news flash

Register

[To unregister click here to contact an admin](#)

Admin page

Home

Bing

Not secure | 192.168.56.102/ICA_Design/register.php

Acme Entertainment

Home Search Top 10 Register

Register to our program

Get the latest update from us!

First Name: Linus

Looks good!

Last Name: Brown

Looks good!

Email: nothing

Looks good!

We'll never share your email with anyone else.

Register for our newsletter

Register for our news flash

Register

Figure 38

The screenshot shows a web browser window with the URL `192.168.56.102/ICA_Design/register.php`. The page title is "Acme Entertainment". The main heading is "Register to our program". Below it is a sub-instruction "Get the latest update from us!". There are four input fields: "First Name" (containing "Enter first name"), "Last Name" (containing "Brown" with a green checkmark), "Email" (containing "lb@kernel.org" with a green checkmark), and "Looks good!". To the right of the inputs is a stylized illustration of a person standing on a dark, winding path with celestial bodies like planets and stars in the background. At the bottom left is a "Register" button.

Figure 39

The screenshot shows a web browser window with the URL `192.168.56.102/ICA_Design/register.php`. The page title is "Acme Entertainment". The main heading is "Register to our program". Below it is a sub-instruction "Get the latest update from us!". There are four input fields: "First Name" (containing "Linus"), "Last Name" (containing "Enter last name" with a red error outline), "Email" (containing "lb@kernel.org" with a green checkmark), and "Looks good!". To the right of the inputs is a stylized illustration of a person standing on a dark, winding path with celestial bodies like planets and stars in the background. At the bottom left is a "Register" button.

SPRINT THREE

For the final spring we've added basic login functionality which allows admins to register new Acme Personnel members and choose if they're admin or not. Admins have more features in the admin page such as being able to register more people and unsubscribe users from newsletter and news flash. We have also updated the Top10 page from Top10 most searched to Top10 highest rated movies which will update when our new rating feature gets updated. In the movie search page.

Scrum master for sprint three

The scrum master for this sprint is Yang Beng Ng (Ivan)

Source Control

After finishing our last sprint the project was forked and transferred over to <https://github.com/ivanngyb/MovieGroupProject>

The screenshot shows the GitHub repository page for `ivanngyb/MovieGroupProject`. The repository is public and was forked from `AWilliamson88/MovieGroupProject`. The main branch is `main`, with 15 branches and 2 tags. A yellow banner at the top indicates a pull request from `sprint-3` had recent pushes 23 minutes ago. The repository has 49 commits. Contributors include Caspian Maclean, AWilliamson88, and Ivan Ng. The repository has no description, website, or topics provided. It includes sections for releases (2 tags), packages (no packages published), and languages (PHP 91.6%, CSS 6.1%, JavaScript 2.1%, Hack 0.2%). The footer contains links to GitHub's terms, privacy, security, status, docs, contact, pricing, API, training, blog, and about pages.



Project Management Kanban Screenshots

The screenshots show a GitHub project named 'Sprint three' with three columns: To do, In progress, and Done.

To do:

- Testing
 - Test admin functionality
 - Test rating functionality
- Reports
 - Optimisation report
 - Master Document
 - Test Document
- Movie Ratings
 - Add thumbs up button in search page
 - Add new column into dvd table in database
 - Updates count via data stream for chart
 - Use an external API or plugin
 - Add table
- Admin Login
 - Admin table

In progress:

- Testing
 - Test admin functionality
 - Test rating functionality
- Admin Login
 - Admin table
 - Complexity Test
 - Login form design
 - Register new personnel in admin page
 - Biometric alternative
 - Assigned Andrew, Cospian
- Movie Ratings
 - Add thumbs up button in search page
 - Add new column into dvd table in database
 - Updates count via data stream for chart
 - Use an external API or plugin
 - Add table

Done:

- + Add column



Acme Entertainment Project – Weekly Report

Sprint three

To do

- Testing
 - Test admin functionality
 - Test rating functionality
- Assigned Andrew, Casper
- Added by ivanngb

In progress

- Complexity Test
 - Complexity form design
 - Register new personnel in admin page
- Biometric alternative
 - Assigned Ivan, Casper
- Movie Ratings
 - Add star rating
 - Add new column into div table in database
 - Updates count via data stream for chart
 - Use an external API or plugin
 - Add table
- Reports
 - Optimisation report
 - Master Document
 - Test Document
- Assigned Ivan
- Added by ivanngb

Done

- Admin Login
 - Admin table
 - Complexity Test
 - Login form design
 - Register new personnel in admin page
- Assigned Ivan, Casper
- Added by ivanngb

+ Add column

Sprint three

To do

- Movie Ratings
 - Add star rating
 - Add new column into div table in database
 - Updates count via data stream for chart
 - Use an external API or plugin
 - Add table
- Assigned Ivan, Casper
- Added by ivanngb

In progress

- Testing
 - Test admin functionality
 - Test rating functionality
- Assigned Andrew, Casper
- Added by ivanngb

Done

- Admin Login
 - Admin table
 - Complexity Test
 - Login form design
 - Register new personnel in admin page
- Assigned Ivan, Casper
- Added by ivanngb

+ Add column



The screenshot shows a GitHub project board for the 'MovieGroupProject' repository. The board is titled 'Sprint three' and has three columns: 'To do', 'In progress', and 'Done'. The 'Done' column contains four items:

- ✓ Admin table
- ✓ Complexity Test
- ✓ Login form design
- ✓ Register new personnel in admin page
Assigned Ivan, Caspian
Added by ivanngyb

The 'In progress' column contains one item:

- Testing
 - ✓ Test admin functionality
 - ✓ Test rating functionalityAssigned Andrew, Caspian
Added by ivanngyb

The 'To do' column is currently empty.

Meeting and communication

Initial meeting minutes

15/11/2021

- New scrum master – Yang Beng Ng (Ivan)
- Ivan assigned to working on login functionality and star rating front end
- Andrew got assigned to do top 10 graphs
- Caspian assigned to updating tables in database to take star ratings and doing back end for updating star rating

Second meeting minutes

17/11/2021

- Caspian completed backend for star rating
- Caspian assigned to making registering functionality
- Ivan completed login functionality
- Ivan to work on star rating front end
- Andrew managed to get graph working now assigned to linking it up with database



Third online meeting minutes

The screenshot shows a Microsoft Teams chat window titled "ICA Design (RAD)". The sidebar lists team members: ICA Design (RAD), ScrumGenius, Andrew Williamson, and Caspian MacLean. The main pane displays a message from Caspian MacLean at 09:30 stating "I am ready". Below it, a message from Caspian at 09:30 says "Cell started". A link to "JS Bin" is shared at 08:40, describing it as a live pastebin for HTML, CSS & JavaScript. The message ends with "Call ended 3min 45s". The bottom of the screen shows a search bar and various icons.

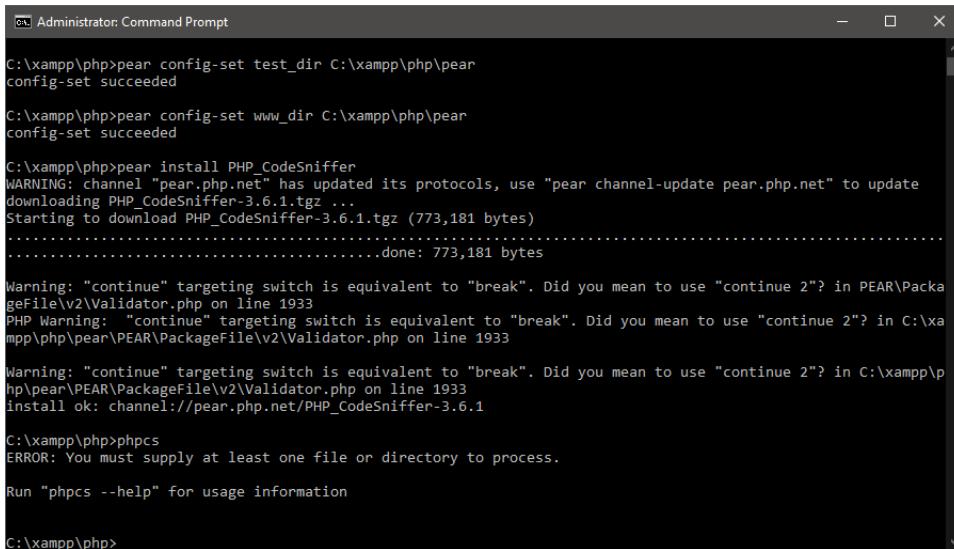
19/11/2021

- Caspian completed admin page to work with admin and non admin
- Caspian assigned to potentially start optimizing scripts
- Ivan completed star rating
- Ivan to work on helping with optimization
- Andrew is very close to finishing the graph

Optimisation report

PHP Codesniffer and Beautifier

For our php files we've used PHP Codesniffer and its beautifier functions to optimise our scripts.



```
C:\xampp\php>pear config-set test_dir C:\xampp\php\pear
config-set succeeded

C:\xampp\php>pear config-set www_dir C:\xampp\php\pear
config-set succeeded

C:\xampp\php>pear install PHP_CodeSniffer
WARNING: channel "pear.php.net" has updated its protocols, use "pear channel-update pear.php.net" to update
downloading PHP_CodeSniffer-3.6.1.tgz ...
Starting to download PHP_CodeSniffer-3.6.1.tgz (773,181 bytes)
.....done: 773,181 bytes

Warning: "continue" targeting switch is equivalent to "break". Did you mean to use "continue 2"? in PEAR\Packag
eFile\v2\Validator.php on line 1933
PHP Warning: "continue" targeting switch is equivalent to "break". Did you mean to use "continue 2"? in C:\xa
mpp\php\pear\PEAR\PackageFile\v2\Validator.php on line 1933

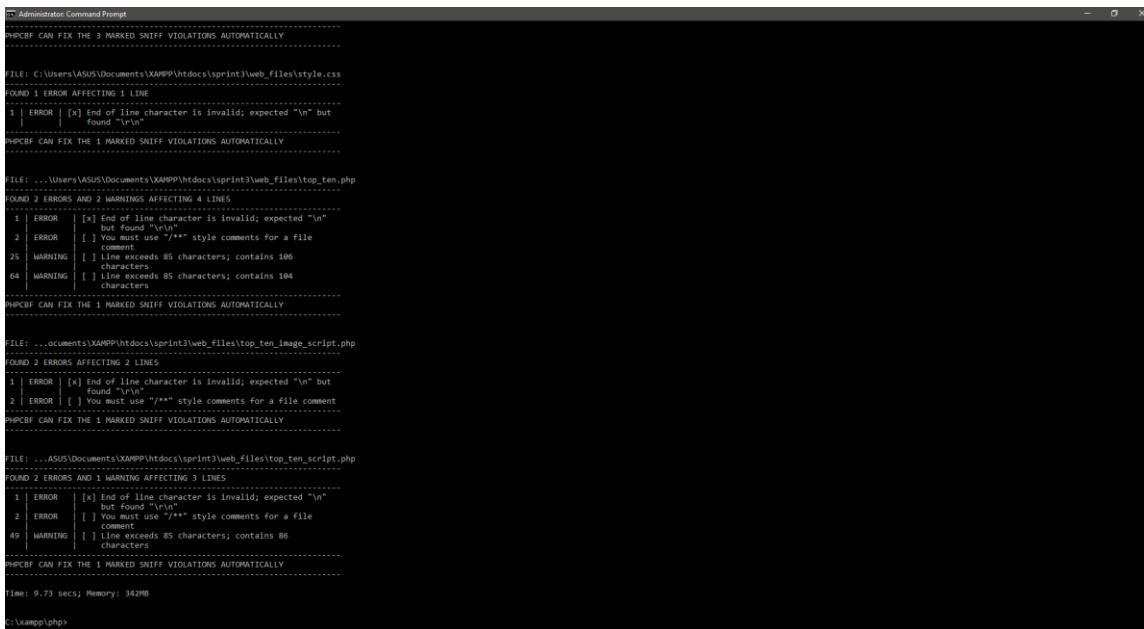
Warning: "continue" targeting switch is equivalent to "break". Did you mean to use "continue 2"? in C:\xam
pp\pear\PEAR\PackageFile\v2\Validator.php on line 1933
install ok: channel://pear.php.net/PHP_CodeSniffer-3.6.1

C:\xampp\php>phpcs
ERROR: You must supply at least one file or directory to process.

Run "phpcs --help" for usage information

C:\xampp\php>
```

Installation of PHP_CodeSniffer shown above



```
C:\Administrator: Command Prompt
PHPCBF CAN FIX THE 3 MARKED SNIFF VIOLATIONS AUTOMATICALLY

FILE: C:\Users\ASUS\Documents\xampp\htdocs\sprint\web_files\style.css
FOUND 1 ERROR AFFECTING 1 LINE
1 | [ERROR] | [x] End of line character is invalid; expected "\n" but
|         | found "\r\n"
PHPCBF CAN FIX THE 1 MARKED SNIFF VIOLATIONS AUTOMATICALLY

FILE: ...Users\ASUS\Documents\xampp\htdocs\sprint\3\web_files\top_ten.php
FOUND 2 ERRORS AND 2 WARNINGS AFFECTING 4 LINES
1 | [ERROR] | [x] End of line character is invalid; expected "\n"
2 | [ERROR] | [ ] You must use /** style comments for a file
|         | comment
25 | WARNING | [ ] Line exceeds 85 characters; contains 106
|         | characters
64 | WARNING | [ ] Line exceeds 85 characters; contains 104
PHPCBF CAN FIX THE 1 MARKED SNIFF VIOLATIONS AUTOMATICALLY

FILE: ...documents\xampp\htdocs\sprint\web_files\top_ten_image_script.php
FOUND 2 ERRORS AFFECTING 2 LINES
1 | [ERROR] | [x] End of line character is invalid; expected "\n" but
|         | found "\r\n"
2 | [ERROR] | [ ] You must use /** style comments for a file
|         | comment
PHPCBF CAN FIX THE 1 MARKED SNIFF VIOLATIONS AUTOMATICALLY

FILE: ...ASUS\Documents\xampp\htdocs\sprint\web_files\top_ten_script.php
FOUND 2 ERRORS AND 1 WARNING AFFECTING 3 LINES
1 | [ERROR] | [x] End of line character is invalid; expected "\n"
|         | but found "\r\n"
2 | [ERROR] | [ ] You must use /** style comments for a file
|         | comment
49 | WARNING | [ ] Line exceeds 85 characters; contains 86
|         | characters
PHPCBF CAN FIX THE 1 MARKED SNIFF VIOLATIONS AUTOMATICALLY

Time: 9.73 secs; Memory: 342MB

C:\xampp\php>
```

Running PHPCS on our folder. Getting a lot of errors.

```

Administrator Command Prompt
1 | ERROR [x] End of line character is invalid; expected "\n"
2 | ERROR [ ] but found "\r\n"
3 |   comment
49 | WARNING [ ] Line exceeds 85 characters; contains 86
        characters

PHPCBF CAN FIX THE 1 MARKED SNIFF VIOLATIONS AUTOMATICALLY

Time: 0.73 secs; Memory: 342MB

C:\xampp\php\phpcbf C:\Users\ASUS\Documents\xampp\htdocs\print3\web_files
PHP Fatal error: Allowed memory size of 536870912 bytes exhausted (tried to allocate 4096 bytes) in C:\xampp\php\pear\PHP\CodeSniffer\src\Tokenizers\JS.php on line 1183
Fatal error: Allowed memory size of 536870912 bytes exhausted (tried to allocate 4096 bytes) in C:\xampp\php\pear\PHP\CodeSniffer\src\Tokenizers\JS.php on line 1183
C:\xampp\php\phpcbf C:\Users\ASUS\Documents\xampp\htdocs\print3\web_files
PHPCBF RESULT SUMMARY
FILE                                     FIXED  REMAINING
t1\xampp\htdocs\print3\web_files\chart.bundle.js    FAILED TO FIX
...nts\xampp\htdocs\print3\web_files\check_user.php  1      1
...htdocs\print3\web_files\connection_script.php     1      1
...PHP\htdocs\print3\web_files\connection_script.php  1      1
...Documents\xampp\htdocs\print3\web_files\data.php  1      1
...xampp\htdocs\print3\web_files\get_star_update.php 1      10
...AMP\htdocs\print3\web_files\get_star_update.php   34      1
...xampp\htdocs\print3\web_files\index.php          1      1
...xampp\htdocs\print3\web_files\login-validate.js   41      1
...uments\xampp\htdocs\print3\web_files\logout.php  1      1
...xampp\htdocs\print3\web_files\movie_details.php   1      3
...htdocs\print3\web_files\movie_details_script.php 1      1
...xampp\htdocs\print3\web_files\rating-validate.js  168     1
...ments\xampp\htdocs\print3\web_files\register.php 1      23
...xampp\htdocs\print3\web_files\search.php         1      6
...xampp\htdocs\print3\web_files\search_results.php 1      1
...xampp\htdocs\print3\web_files\search_script.php   3      10
...xampp\htdocs\print3\web_files\style.css           1      0
...uments\xampp\htdocs\print3\web_files\top_ten.php 1      3
...htdocs\print3\web_files\top_ten_image_script.php 1      1
...xampp\htdocs\print3\web_files\top_ten_script.php  1      2

A TOTAL OF 74699 ERRORS WERE FIXED IN 28 FILES
PHPCBF FAILED TO FIX 2 FILES

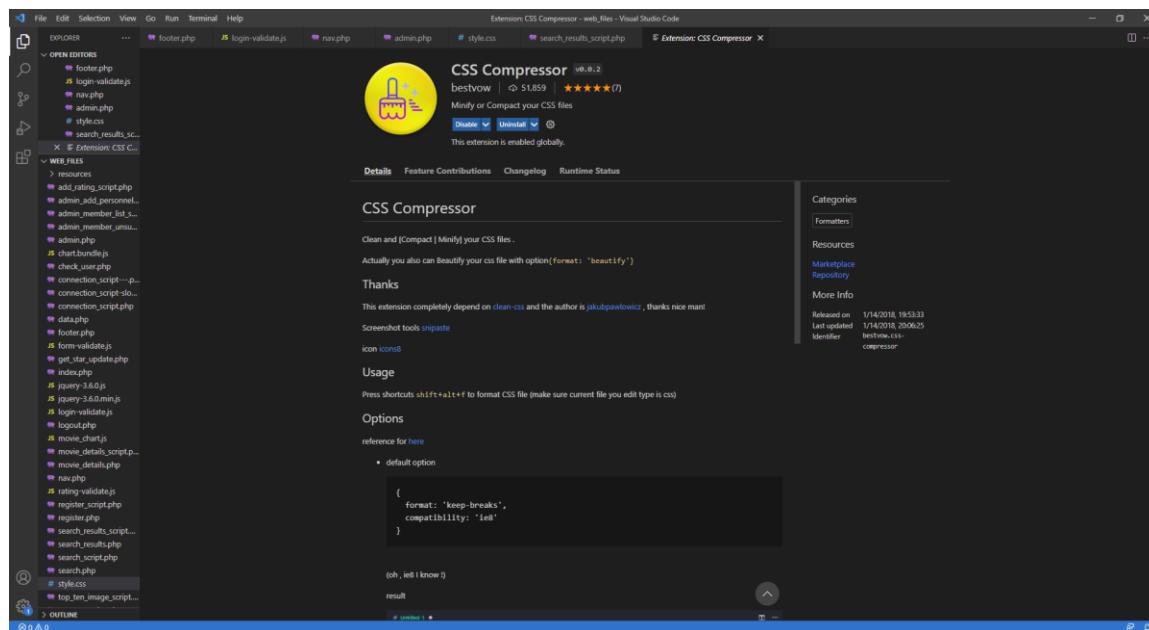
Time: 8 mins, 48.12 secs; Memory: 644MB

C:\xampp\php>

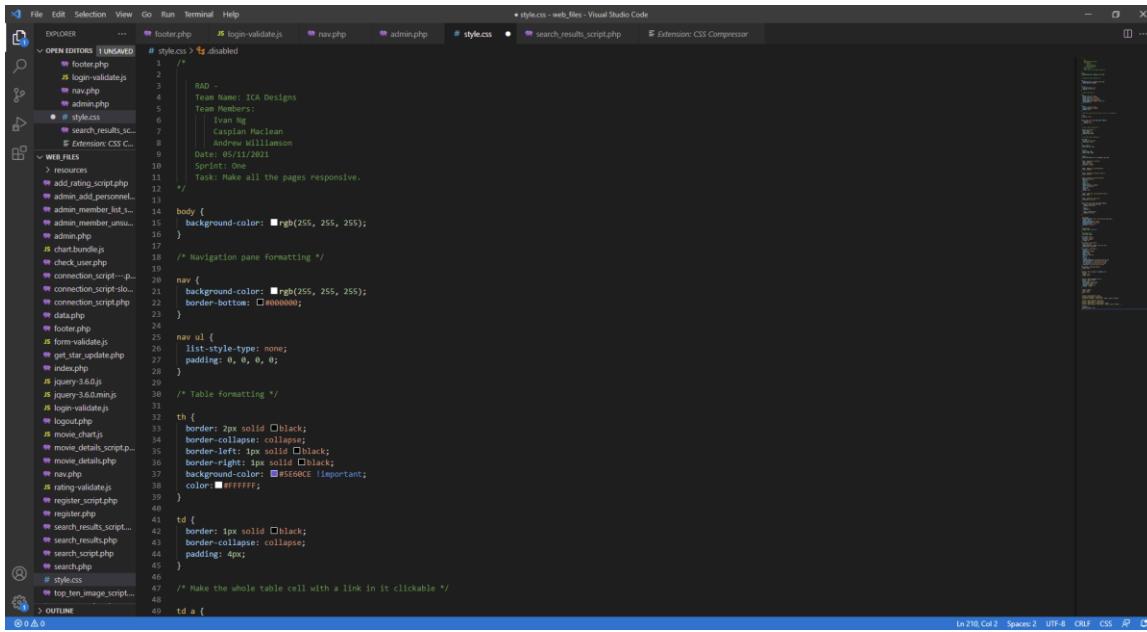
```

Running PHP Code Beautifier on the folder to optimise all php and javascripts within folder.

CSS Compressor



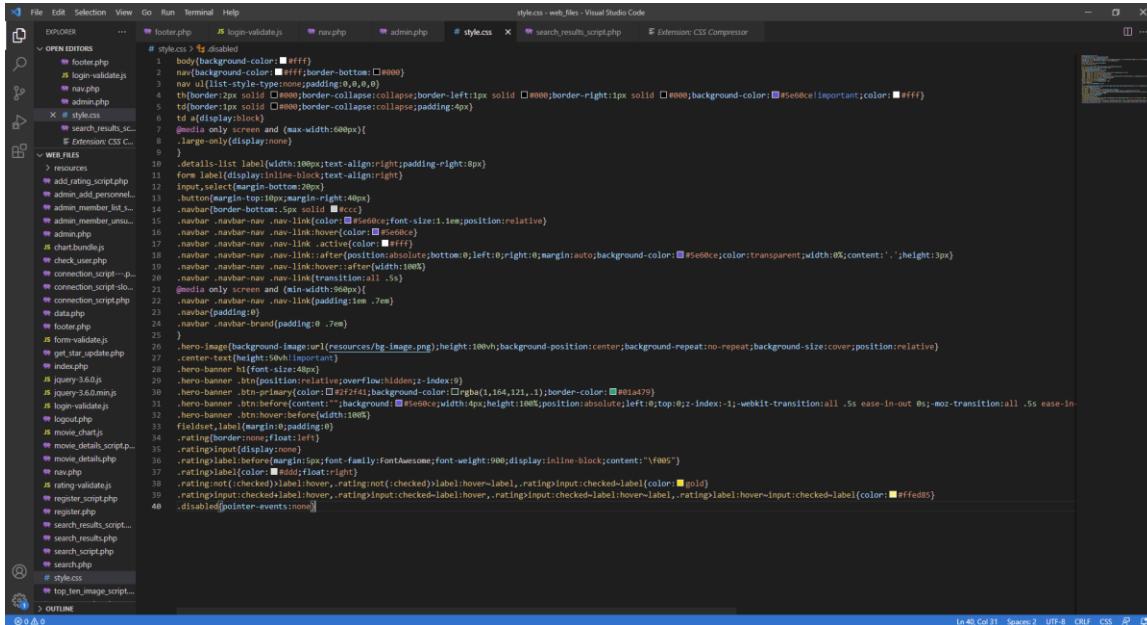
CSS Compressor is a Visual Studio Code extension that optimizes CSS files by minifying them.



```

File Edit Selection View Go Run Terminal Help
OPEN EDITORS footer.php login-validate.js nav.php admin.php style.css search_results_script.php Extension: CSS Compressor
WEB FILES resources add_rating_script.php admin_add_personnel.php admin_member_id_ls.php admin_member_jm.php admin.php chart.bundle.js check_user.php connection_script_p.php connection_script_s.php connection_script.php data.php footer.php form-validate.js get_usr_update.php index.php jquery-3.6.0.js jquery-validate.js logout.php movie_chart.php movie_details_script.php movie_details.php nav.php rating-validate.js register_script.php register.php search_results_script.php search_results.php search_script.php search.php style.css top_ten_image_script.php
style.css - UNSAVED # style.css & disabled
1 /*
2 * RAD -
3 * Team Name: ICA Designs
4 * Team Members:
5 * Ivan Ng
6 * Caspian McLean
7 * Andrew Williamson
8 * Date: 20/11/2021
9 * Sprint: One
10 * Task: Make all the pages responsive.
11 */
12 body {
13     background-color: #rgb(255, 255, 255);
14 }
15 /* Navigation pane formatting */
16 nav {
17     background-color: #rgb(255, 255, 255);
18     border-bottom: #000000;
19 }
20 /* Table formatting */
21 th {
22     border: 2px solid #black;
23     border-collapse: collapse;
24     color: #000000;
25     font-weight: bold;
26     text-align: center;
27     width: 100px;
28 }
29 td {
30     border: 1px solid #black;
31     border-collapse: collapse;
32     padding: 4px;
33 }
34 /* Make the whole table cell with a link in it clickable */
35 td a {
36     color: #000000;
37     text-decoration: none;
38 }
39 
```

Before using CSS Compressor the code has a lot of comments and length of file is very long.



```

File Edit Selection View Go Run Terminal Help
style.css - web_file - Visual Studio Code
OPEN EDITORS footer.php login-validate.js nav.php admin.php style.css search_results_script.php Extension: CSS Compressor
WEB FILES resources add_rating_script.php admin_add_personnel.php admin_member_id_ls.php admin_member_jm.php admin.php chart.bundle.js check_user.php connection_script_p.php connection_script_s.php connection_script.php data.php footer.php form-validate.js get_usr_update.php index.php jquery-3.6.0.js jquery-validate.js logout.php movie_chart.php movie_details_script.php movie_details.php nav.php rating-validate.js register_script.php register.php search_results_script.php search_results.php search_script.php search.php style.css top_ten_image_script.php
style.css & disabled
1 body{background-color:#fff}
2 nav{background-color:#fff;border-bottom:#000}
3 nav ul{list-style-type:none;padding:0,0,0}
4 th{border:2px solid #000;border-collapse:collapse; border-left:1px solid #000; border-right:1px solid #000;background-color:#e600e6 !important;color:#fff}
5 td{border:1px solid #000;border-collapse:collapse;padding:4px}
6 a{display:block;outline:none;max-width:600px}
7 .large-only{display:none}
8 .details-list label{width:100%;text-align:right;padding-right:8px}
9 form{border:1px solid black;text-align:center}
10 input,select{margin-top:10px;margin-right:40px}
11 .navbar{margin-top:10px; margin-right:40px}
12 .navbar{border-bottom:2px solid #ccc}
13 .navbar.navbar-nav .nav-link{color:#e600e6;font-size:1.1em;position:relative}
14 .navbar.navbar-nav .nav-link:hover{color:#e600e6}
15 .navbar.navbar-nav .nav-link{color:#e600e6}
16 .navbar.navbar-brand{font-size:1.3em;position: absolute;bottom:0;left:0;right:0;margin:auto; background-color:#e600e6; color: transparent; width:0; content: 'Acme'}
17 .hero-image{background-image:url(resources/bg-image.png);height:10vh;background-position:center;background-repeat:no-repeat;background-size:cover;position: relative}
18 .hero-text{height:10vh;position: absolute; top:0; left:0; width:100%; height:100%}
19 .hero-banner .btn{position: relative; overflow: hidden;z-index: 0}
20 .hero-banner .btn-primary{color:#f2f2f2;background-color:#rgba(1,164,121,1);border-color:#e6a479}
21 .hero-banner .btn-primary::before{content:"";background-color:#e600e6; width:4px; height:100%; position: absolute; left: 0; z-index: -1; webkit-transition: all .5s ease-in-out; -ms-transition: all .5s ease-in-out}
22 .rating{border:1px solid #ccc; padding: 0 7em}
23 .rating{padding:0}
24 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
25 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
26 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
27 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
28 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
29 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
30 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
31 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
32 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
33 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
34 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
35 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
36 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
37 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
38 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
39 .rating{background-color:#fff; border:1px solid #ccc; padding: 0 7em}
40 .disabled{pointer-events:none}

```

After using CSS Compressor the code is minify and comments are removed. The document went from having 240 lines of code to 40 lines making it smaller and more optimised.

Test tables

Test #	Browser	Test Description	Expected Result	Actual Result	Result Screenshot
1	Chrome	Search movie title	Table of movie search results	As expected	Figure 1
2	Chrome	Search movie title and genre	Table of movie search results	As expected	Figure 2
3	Chrome	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 3
4	Chrome	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 4
5	Chrome	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As expected	Figure 5

6	Chrome	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information	As expected	Figure 6
7	Chrome	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 7
8	Chrome	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 8
9	Chrome	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 9

10	Chrome	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 10
11	Chrome	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 11
12	Edge	Search movie title	Table of movie search results	As expected	Figure 12
13	Edge	Search movie title and genre	Table of movie search results	As expected	Figure 13
14	Edge	Test responsiveness with mobile resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 14
15	Edge	Test responsiveness with tablet resolution on search page	Shows page responsiveness with necessary information	As expected	Figure 15
16	Edge	Test responsiveness with desktop on search page	Shows page responsiveness with necessary information	As expected	Figure 16
17	Edge	Test responsiveness with mobile resolution on Top 10 page	Shows page responsiveness with necessary information	As expected	Figure 17

18	Edge	Test responsiveness with tablet resolution on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 18
19	Edge	Test responsiveness with desktop on top 10 page	Shows page responsiveness with necessary information	As expected	Figure 19
20	Edge	Test responsiveness with mobile resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 20
21	Edge	Test responsiveness with tablet resolution on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 21
22	Edge	Test responsiveness with desktop on movie detail page	Shows page responsiveness with necessary information	As expected	Figure 22
23	Chrome	Open admin.php	Form displays without showing members	As expected	Figure 23
24	Chrome	Click button to show members on admin page	Form displays and members shown in table	As expected	Figure 24
25	Chrome	Test responsiveness with mobile resolution on admin page	Shows page responsiveness with necessary information	As expected	Figure 25
26	Chrome	Test responsiveness with desktop on admin page	Shows page responsiveness with necessary information	As expected	Figure 26

27	Chrome	Unsubscribe member using table link on the admin page	All subscriptions cleared for member	As expected	Figure 27
28	Chrome	Unsubscribe member using e-mail field on the admin page	All subscriptions cleared for member	As expected	Figure 28
29	Chrome	Unsubscribe non-existent member using e-mail field on the admin page	Web page says there is no member with the e-mail address.	As expected	Figure 29
30	Edge	Test responsiveness with mobile resolution on admin page	Shows page responsiveness with necessary information	As expected (acceptable but not great, due to wrapping of word "E-mail")	Figure 30
31	Edge	Test responsiveness with desktop on admin page	Shows page responsiveness with necessary information	As expected	Figure 31
32	Chrome	Register valid user	User gets registered	As expected	Figure 32
33	Chrome	Attempt register with bad email	Error message	As expected	Figure 33
34	Chrome	Attempt to register with missing first name	Error message	As expected	Figure 34

35	Chrome	Attempt register with missing last name	Error message		
36	Edge	Register valid user	User gets registered	As expected	Figure 35
37	Edge	Attempt register with bad email	Warning displayed	As expected	Figure 36
38	Edge	Attempt to register with missing first name	Warning displayed	As expected	Figure 37
39	Edge	Attempt register with missing last name	Warning displayed	As expected	Figure 38
40	Chrome	Search for a movie and add a star rating.	The rating updates.	As expected	Figure 39
41	Chrome	Attempt to rate the same movie again.	Unable to rate the same movie twice.	As expected	Figure 40
42	Chrome	Attempt to rate different movie.	The rating of that movie updates.	As expected	Figure 41
43	Chrome	Load up the top ten chart and change the ratings of the movies.	The top ten chart changes as the movie ratings are changed.	As expected	Figure 42

44	Chrome	Change the ratings of the movies in the chart.	The Table below the top ten chart changes with the star ratings.	As expected	Figure 44
45	Edge	Search for a movie and add a star rating.	The rating updates.	As expected	Figure 45
46	Edge	Attempt to rate the same movie again.	Unable to rate the same movie twice.	As expected	Figure 46
47	Edge	Attempt to rate different movie.	The rating of that movie updates.	As expected	Figure 47
48	Edge	Load up the top ten chart and change the ratings of the movies.	The top ten chart changes as the movie ratings are changed.	As expected	Figure 48
49	Edge	Change the ratings of the movies in the chart.	The Table below the top ten chart changes with the star ratings.	As expected	Figure 49
50	Edge	Login with wrong username “caspianmaclean”	Cannot log in	As expected	Figure 50
51	Edge	Login as admin but wrong password “whatever”	Cannot log in	As expected	Figure 51
52	Edge	Login as admin with correct password	Shows admin page, nav bar shows admin page	As expected	Figure 52

53	Edge	Admin page as admin, click show members	We can see the page, with unsubscribe email field, the members, with unsubscribe link on the table rows	As expected	Figure 53
54	Edge	Admin add user no name	Fails, warns about no username	As expected	Figure 54
55	Edge	Add user caspianmaclean / ezpassword	Fails, password not complex enough	As expected	Figure 55
56	Edge	Add user caspianmaclean / passWORD99 / not admin	Succeeds, entry in database	As expected	Figure 56
57	Edge	Log out	Goes to home page	As expected	Figure 57
58	Edge	Go to admin page while logged out	Redirected to home page	As expected	Figure 58
59	Edge	Log in as caspianmaclean, click list members	Shows as non-admin, no option to create new accounts, or unsubscribe members (button or table column)	As expected	Figure 59
60	Chrome	Admin page responsive, desktop size vs phone size	Looks okay in both sizes	As expected	Figure 60
61	Edge	Admin page responsive,	Looks okay in both sizes	As expected	Figure 61

		desktop size vs phone size			
62	Chrome	Login responsive, desktop size vs phone size	Looks okay in both sizes	As expected	Figure 62
63	Edge	Login responsive, desktop size vs phone size	Looks okay in both sizes	As expected	Figure 63

Screen captures

Figure 1		
Figure 2		

Dimensions: Pixel 2 ▾ 411 x 731 100% ▾ No throttling ▾

Search movies

Title

Genre

Rating

Year

Search results

10

^

10

Studio: Warner Brothers

Genre: Comedy

Year: 1979

Rated: R

Figure 3

Dimensions: iPad ▾ 1024 x 768 100% ▾ No throttling ▾

Acme Entertainment Home Search Top 10 Register

Search movies

Title

Genre

Rating

Year

Search results

10

10
Studio: Warner Brothers
Genre: Comedy

Price: 19.98
Version: 4.3, LBX, 16:9

Figure 4

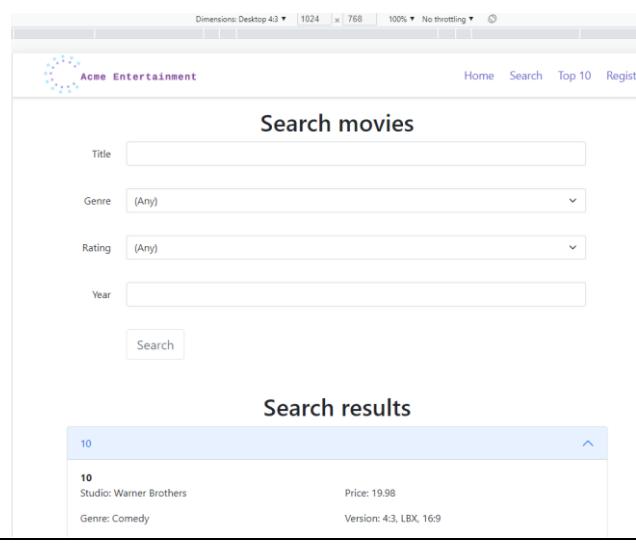
Figure 5	 <p>Screenshot of the Acme Entertainment search interface. The top navigation bar includes links for Home, Search, Top 10, and Register. Below the navigation is a search form titled "Search movies" with fields for Title, Genre (Any), Rating (Any), and Year. A "Search" button is present. Below the search form is a section titled "Search results" showing a list of movies. The first item in the list is "10", with details: Studio: Warner Brothers, Price: 19.98, Genre: Comedy, Version: 4:3, LBX, 16:9.</p>																					
Figure 6	 <p>Screenshot of the Acme Entertainment top rated movies interface. The top navigation bar includes a logo and a menu icon. Below the navigation is a chart titled "Top ten rated movies" showing the star rating for each movie rank from 1st to 10th. The chart has a purple color scheme. Below the chart is a table listing the top three movies with their titles, ratings, and star ratings.</p> <table border="1" data-bbox="186 1552 734 1835"><thead><tr><th>Rank</th><th>Title</th><th>Rating</th><th>Star Rating</th></tr></thead><tbody><tr><td>1st</td><td>10</td><td>R</td><td>5.0</td></tr><tr><td>2nd</td><td>Airplane 2: The Sequel</td><td>PG</td><td>5.0</td></tr><tr><td>3rd</td><td>Addams Family Values</td><td>PG-13</td><td>4.7</td></tr><tr><td>4th</td><td>Addams Rik</td><td>N/D</td><td>N/D</td></tr></tbody></table>	Rank	Title	Rating	Star Rating	1st	10	R	5.0	2nd	Airplane 2: The Sequel	PG	5.0	3rd	Addams Family Values	PG-13	4.7	4th	Addams Rik	N/D	N/D	
Rank	Title	Rating	Star Rating																			
1st	10	R	5.0																			
2nd	Airplane 2: The Sequel	PG	5.0																			
3rd	Addams Family Values	PG-13	4.7																			
4th	Addams Rik	N/D	N/D																			

Figure 7

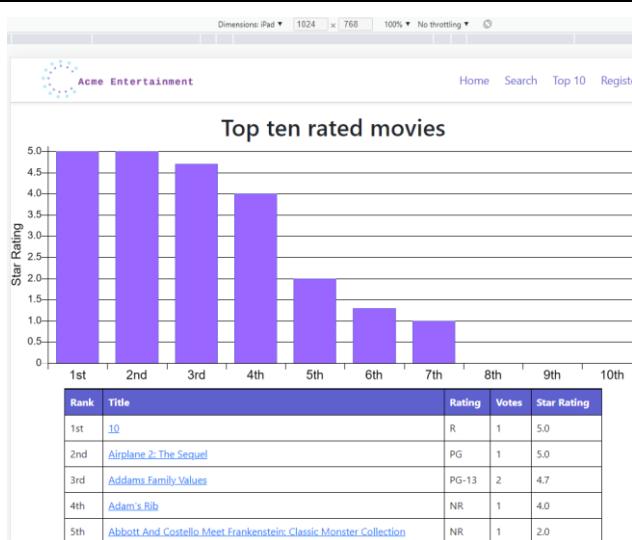
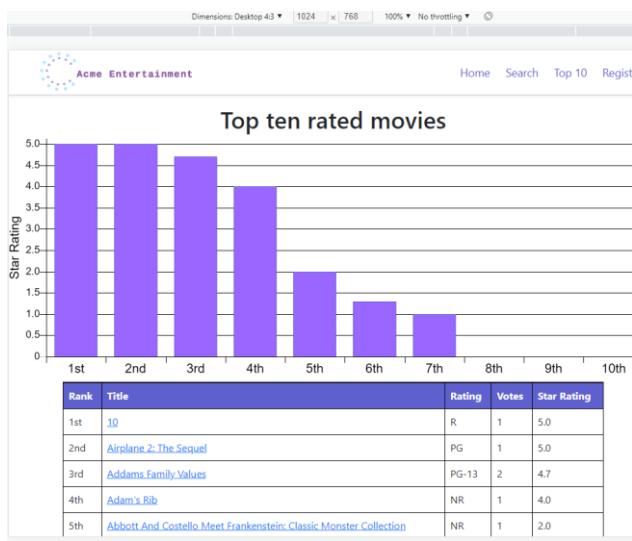


Figure 8



Dimensions: Pixel 2 ▾ 411 x 731 100% ▾ No throttling ▾

The screenshot shows a mobile application interface for 'Acme Entertainment'. At the top, there's a navigation bar with a circular logo on the left and three horizontal lines on the right. Below the navigation bar, the title 'Movie details' is displayed in bold. Underneath the title, the movie title 'Title: 10' is shown. The following information is listed in two columns:

Studio: Warner Brothers	Status: Out
Sound: 1.0	Versions: 4:3, LBX, 16:9
RRP: 19.98	Rating: R
Year: 1979	Genre: Comedy
Aspect: 2.35:1	Searches: 548

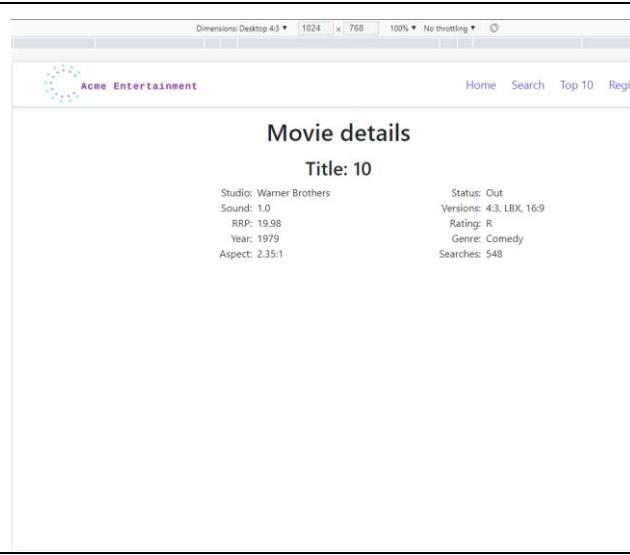
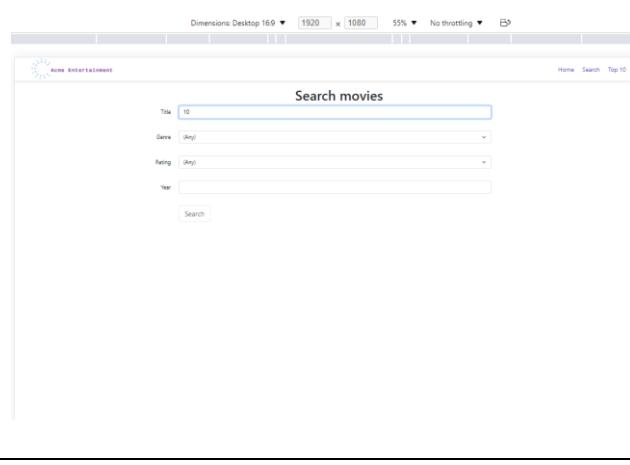
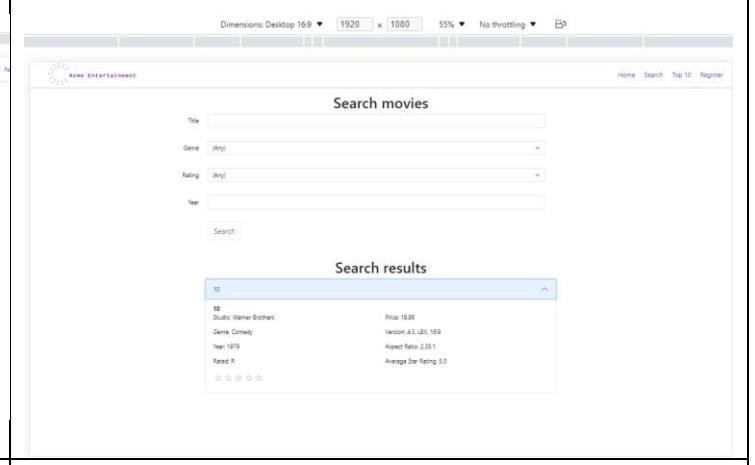
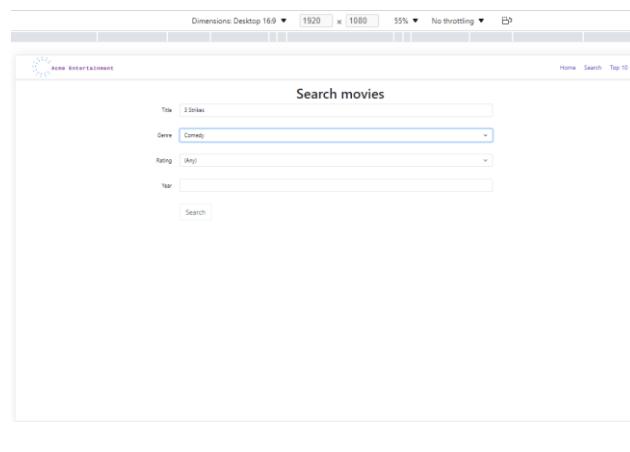
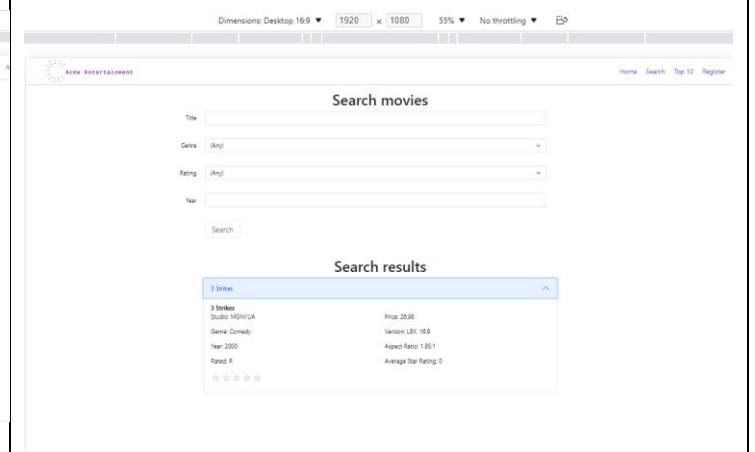
Figure 9

Dimensions: iPad ▾ 1024 x 768 100% ▾ No throttling ▾

The screenshot shows a tablet application interface for 'Acme Entertainment'. At the top, there's a navigation bar with a circular logo on the left and links for 'Home', 'Search', 'Top 10', and 'Register' on the right. Below the navigation bar, the title 'Movie details' is displayed in bold. Underneath the title, the movie title 'Title: 10' is shown. The following information is listed in two columns:

Studio: Warner Brothers	Status: Out
Sound: 1.0	Versions: 4:3, LBX, 16:9
RRP: 19.98	Rating: R
Year: 1979	Genre: Comedy
Aspect: 2.35:1	Searches: 548

Figure 10

Figure 11	 <p>Movie details</p> <p>Title: 10</p> <table border="0"> <tr> <td>Studio: Warner Brothers</td> <td>Status: Out</td> </tr> <tr> <td>Sound: 1.0</td> <td>Versions: 4.3, LBX, 16:9</td> </tr> <tr> <td>RRP: 19.98</td> <td>Rating: R</td> </tr> <tr> <td>Year: 1979</td> <td>Genre: Comedy</td> </tr> <tr> <td>Aspect: 2.35:1</td> <td>Searches: 548</td> </tr> </table>	Studio: Warner Brothers	Status: Out	Sound: 1.0	Versions: 4.3, LBX, 16:9	RRP: 19.98	Rating: R	Year: 1979	Genre: Comedy	Aspect: 2.35:1	Searches: 548			
Studio: Warner Brothers	Status: Out													
Sound: 1.0	Versions: 4.3, LBX, 16:9													
RRP: 19.98	Rating: R													
Year: 1979	Genre: Comedy													
Aspect: 2.35:1	Searches: 548													
Figure 12	 <p>Search movies</p> <p>Title: 10</p> <p>Genre: (Any)</p> <p>Rating: (Any)</p> <p>Year: </p> <p>Search</p>	 <p>Search results</p> <table border="0"> <tr> <td>10</td> <td>Studio: Warner Brothers</td> <td>Price: 19.98</td> </tr> <tr> <td></td> <td>Genre: Comedy</td> <td>Vision 4.3, LBX, 16:9</td> </tr> <tr> <td></td> <td>Year: 1979</td> <td>Aspect Ratio: 2.35:1</td> </tr> <tr> <td></td> <td>Rated: R</td> <td>Average Star Rating: 5.0</td> </tr> </table>	10	Studio: Warner Brothers	Price: 19.98		Genre: Comedy	Vision 4.3, LBX, 16:9		Year: 1979	Aspect Ratio: 2.35:1		Rated: R	Average Star Rating: 5.0
10	Studio: Warner Brothers	Price: 19.98												
	Genre: Comedy	Vision 4.3, LBX, 16:9												
	Year: 1979	Aspect Ratio: 2.35:1												
	Rated: R	Average Star Rating: 5.0												
Figure 13	 <p>Search movies</p> <p>Title: 3 Strikes</p> <p>Genre: Comedy</p> <p>Rating: (Any)</p> <p>Year: </p> <p>Search</p>	 <p>Search results</p> <table border="0"> <tr> <td>3 Strikes</td> <td>Studio: MGM/UA</td> <td>Price: 28.98</td> </tr> <tr> <td></td> <td>Genre: Comedy</td> <td>Vision LBX, 16:9</td> </tr> <tr> <td></td> <td>Year: 2000</td> <td>Aspect Ratio: 1.85:1</td> </tr> <tr> <td></td> <td>Rated: R</td> <td>Average Star Rating: 5.0</td> </tr> </table>	3 Strikes	Studio: MGM/UA	Price: 28.98		Genre: Comedy	Vision LBX, 16:9		Year: 2000	Aspect Ratio: 1.85:1		Rated: R	Average Star Rating: 5.0
3 Strikes	Studio: MGM/UA	Price: 28.98												
	Genre: Comedy	Vision LBX, 16:9												
	Year: 2000	Aspect Ratio: 1.85:1												
	Rated: R	Average Star Rating: 5.0												

Dimensions: Pixel 2 ▾ 411 x 731 100% ▾ No thro

The screenshot shows a user interface for searching movies. At the top, there is a logo consisting of a blue circular icon with dots and the text "Acme Entertainment". Below the logo is a navigation menu represented by three horizontal lines. The main section is titled "Search movies" and contains four input fields: "Title", "Genre", "Rating", and "Year", each with a dropdown arrow. Below these fields is a "Search" button. The bottom section is titled "Search results" and displays a single result: "3 Strikes" (highlighted with a blue background), followed by the text "Studio: MGM/UA".

Figure 14

Figure 15

Dimensions: iPad ▾ 1024 x 768 100% No throttling ↻

Acme Entertainment Home Search Top 10 Register

Search movies

Title

Genre (Any)

Rating (Any)

Year

Search

Search results

3 Strikes

3 Strikes	Studio: MGM/UA	Price: 26.98
	Genre: Comedy	Version: LBX, 16:9
...		

Figure 16

Dimensions: Desktop 43 ▾ 1280 x 960 80% No throttling ↻

Acme Entertainment Home Search Top 10 Register

Search movies

Title

Genre (Any)

Rating (Any)

Year

Search

Search results

3 Strikes

3 Strikes	Studio: MGM/UA	Price: 26.98
	Genre: Comedy	Version: LBX, 16:9
Year: 2000	Aspect Ratio: 1.85:1	
Rated: R	Average Star Rating: 0	
...		

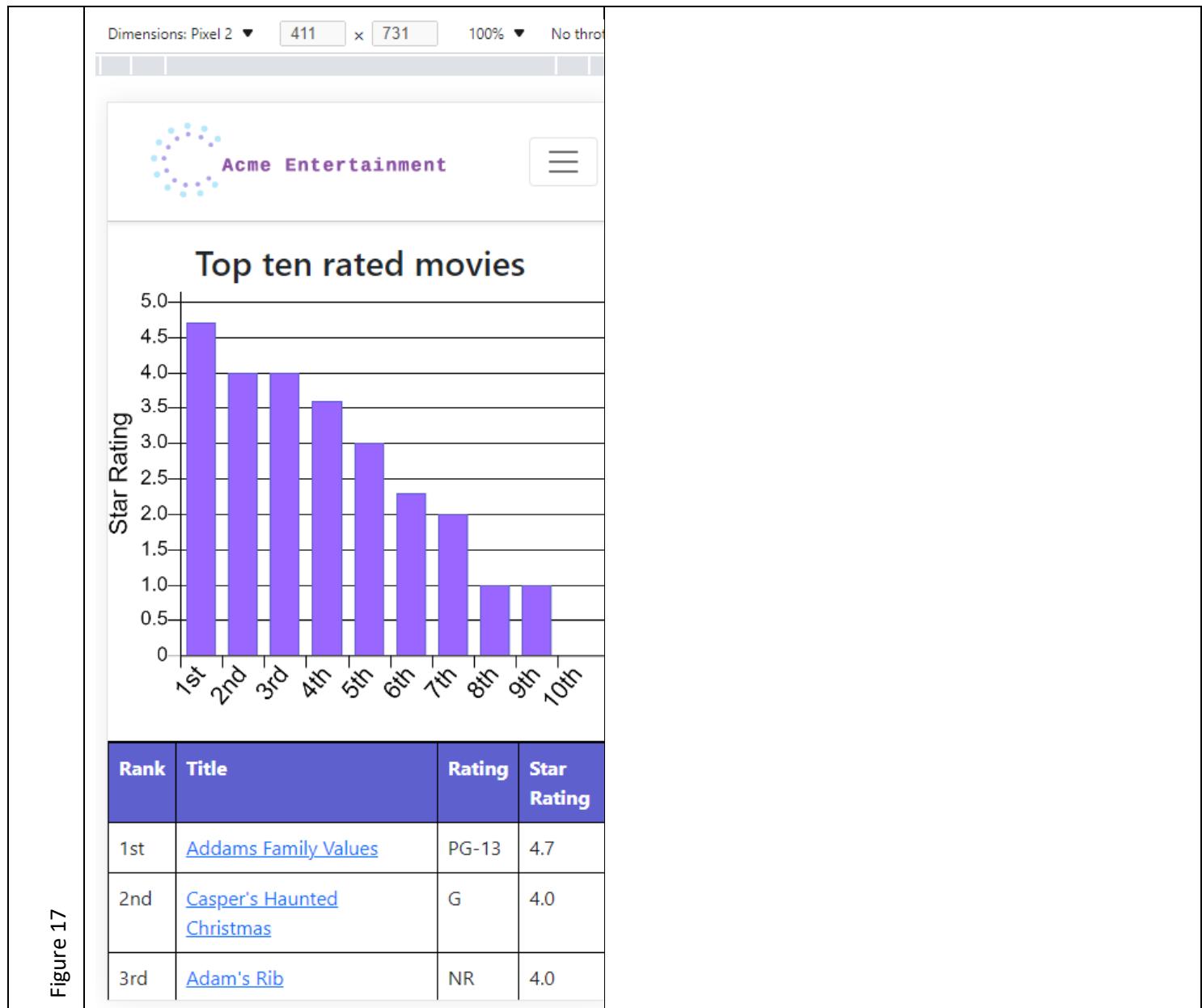


Figure 17

Figure 18

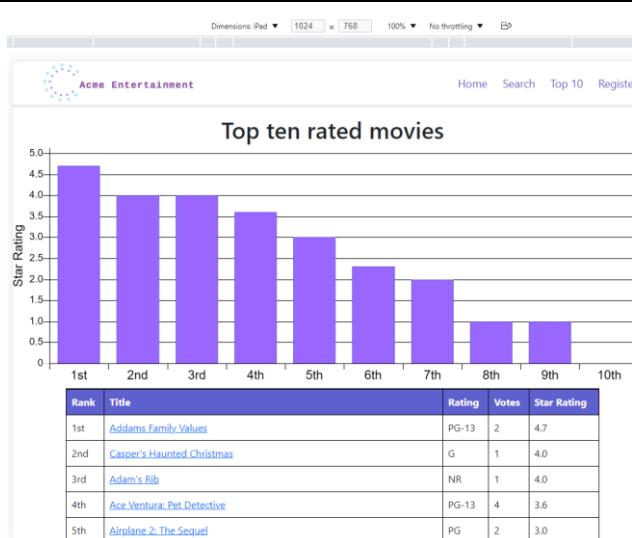
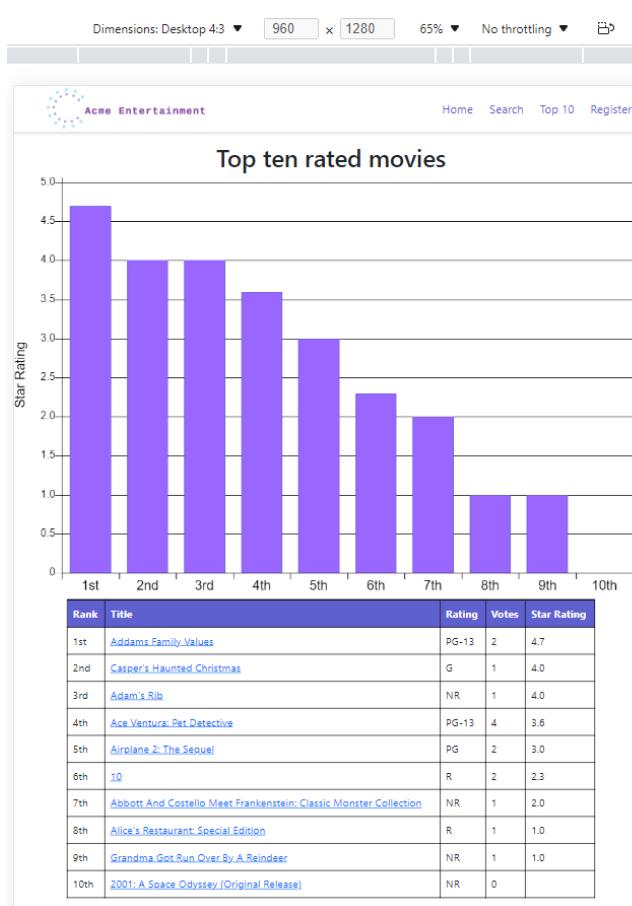


Figure 19



The screenshot shows a mobile application interface for a movie database. At the top, there's a navigation bar with 'Dimensions: Pixel 2' (411 x 731), '100%', and 'No throttling'. Below the header is a logo for 'Acme Entertainment' with a circular icon of blue dots. To the right is a three-line menu icon.

Movie details

Title: Airplane 2: The Sequel

Studio: Paramount	Status: Out
Sound: 1.0	Versions: LBX, 16:9
RRP: 29.99	Rating: PG
Year: 1982	Genre: Comedy
Aspect: 1.85:1	Searches: 1929

Figure 20

Figure 21

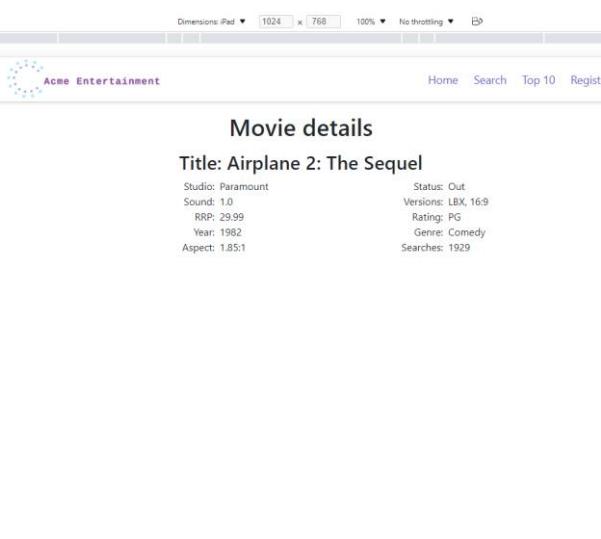


Figure 22

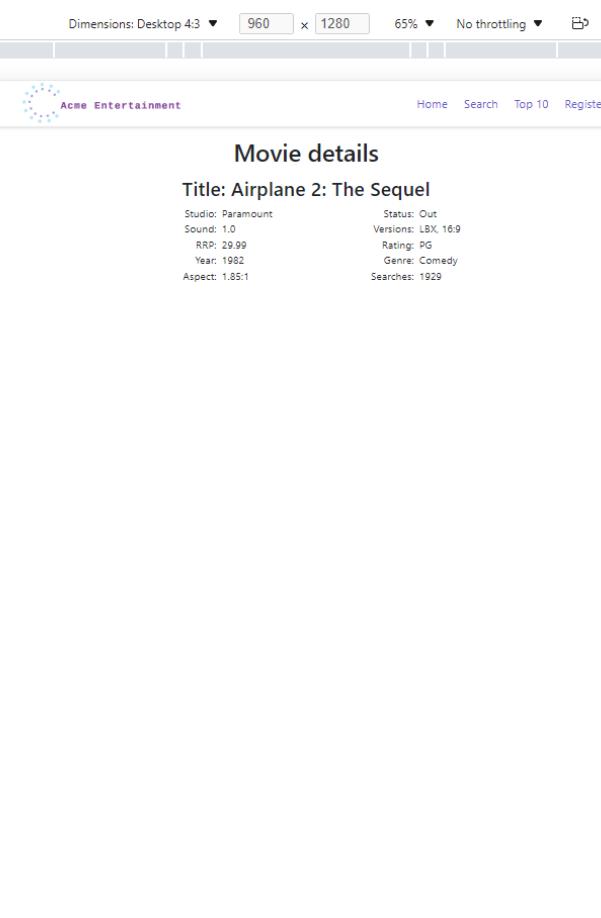
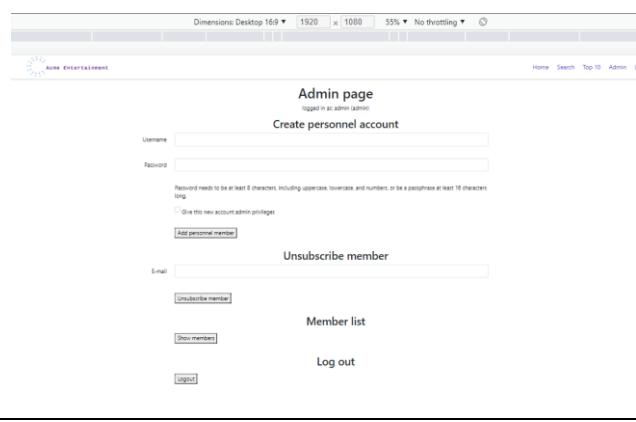
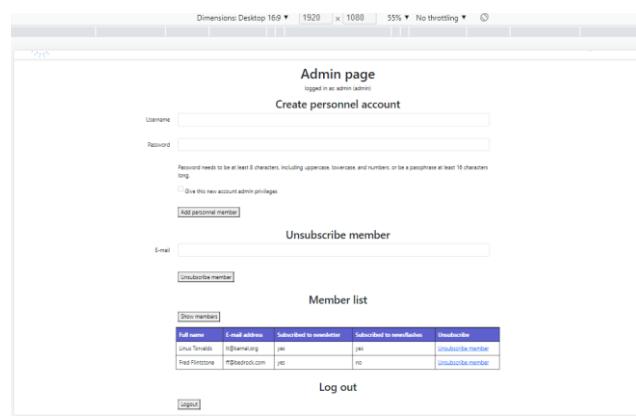


Figure 23	 <p>The screenshot shows the 'Admin page' for the Acme Entertainment project. At the top, there are fields for 'Username' and 'Password'. Below these is a note: 'Person needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.' There is a checkbox labeled 'Give this new account admin privilege' and a button 'Add personnel member'. A section titled 'Unsubscribe member' contains a 'E-mail' field and a 'Unsubscribe member' button. Below this is a 'Member list' section with a 'Show members' button. At the bottom are 'Log out' and 'Logout' buttons.</p>																
Figure 24	 <p>The screenshot shows the 'Admin page' for the Acme Entertainment project. At the top, there are fields for 'Username' and 'Password'. Below these is a note: 'Person needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.' There is a checkbox labeled 'Give this new account admin privilege' and a button 'Add personnel member'. A section titled 'Unsubscribe member' contains a 'E-mail' field and a 'Unsubscribe member' button. Below this is a 'Member list' section with a 'Show members' button. The 'Member list' table contains the following data:</p> <table border="1"><thead><tr><th>Full name</th><th>E-mail address</th><th>Subscribed to newsletter</th><th>Subscribed to newsletters</th><th>Unsubscribe</th></tr></thead><tbody><tr><td>Chris Tonello</td><td>chris.tonello@bname.org</td><td>yes</td><td>yes</td><td>Unsubscribe member</td></tr><tr><td>Fred Flintstone</td><td>fred.flintstone@bedrock.com</td><td>yes</td><td>no</td><td>Unsubscribe member</td></tr></tbody></table> <p>At the bottom are 'Log out' and 'Logout' buttons.</p>	Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe	Chris Tonello	chris.tonello@bname.org	yes	yes	Unsubscribe member	Fred Flintstone	fred.flintstone@bedrock.com	yes	no	Unsubscribe member	
Full name	E-mail address	Subscribed to newsletter	Subscribed to newsletters	Unsubscribe													
Chris Tonello	chris.tonello@bname.org	yes	yes	Unsubscribe member													
Fred Flintstone	fred.flintstone@bedrock.com	yes	no	Unsubscribe member													

Dimensions: Pixel 2 ▾ 411 x 731 100% ▾ No throttling ▾

Acme Entertainment

Admin page

logged in as: admin (admin)

Create personnel account

Username

Password

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges

Unsubscribe member

E-mail

Member list

Show members

Full name	E-mail address	Subscribed to	Subscribed to	Unsubscribe
-----------	----------------	---------------	---------------	-------------

Figure 25

Dimensions: Desktop 4.3 ▾ 1024 x 768 100% ▾ No throttling ▾

Acme Entertainment

Home Search Top 10 Admin Logout

Admin page

logged in as: admin (admin)

Create personnel account

Username

Password

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges

Unsubscribe member

E-mail

Figure 26

Figure 27

Dimensions: Desktop 43 ▾ 1024 x 768 100% No throttling

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges

[Add personnel member](#)

Unsubscribe member

E-mail

[Unsubscribe member](#)

Member list

[Show members](#)

Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Linus Torvalds	lt@kernel.org	no	no	Unsubscribe member
Fred Flintstone	ff@bedrock.com	yes	no	Unsubscribe member

Log out

[Logout](#)

Dimensions: Desktop 43 ▾ 1024 x 768 100% No throttling

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges

[Add personnel member](#)

Unsubscribe member

E-mail

[Unsubscribe member](#)

Member list

[Show members](#)

Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Linus Torvalds	lt@kernel.org	no	no	Unsubscribe member
Fred Flintstone	ff@bedrock.com	no	no	Unsubscribe member

Log out

[Logout](#)

Figure 28

Dimensions: Desktop 43 ▾ 1024 x 768 100% No throttling

[Add personnel member](#)

Unsubscribe member

E-mail

[Unsubscribe member](#)

Member list

[Show members](#)

Full name	E-mail address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe
Linus Torvalds	lt@kernel.org	no	no	Unsubscribe member
Fred Flintstone	ff@bedrock.com	no	no	Unsubscribe member
Jack Jackson	jjackson@jackson.com	yes	yes	Unsubscribe member

Log out

[Logout](#)

Dimensions: Desktop 43 ▾ 1024 x 768 100% No throttling

Password

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges

[Add personnel member](#)

Unsubscribe member

E-mail

[Unsubscribe member](#)

Unsubscribing email address: jjackson@jackson.com

Member unsubscribed

Member list

[Show members](#)

Log out

[Logout](#)

Figure 29

The screenshot shows a desktop browser window with the following details:

- Dimensions: Desktop 4:3 • 1024 x 768 • 100% • No throttling
- Form fields:
 - Password: [Input field]
 - Message: Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.
 - Checkboxes:
 - Give this new account admin privileges
 - Buttons:
 - Add personnel member
 - Section header: **Unsubscribe member**
 - Text input: E-mail [Input field]
 - Buttons:
 - Unsubscribe member
 - Unsubscribing email address: jask@jask.com
 - Text: Unsuccessful: Not found subscribed in member database
 - Section header: **Member list**
 - Buttons:
 - Show members
 - Text: Log out
 - Text: Logout

Figure 30

The screenshot shows a responsive browser window with the following details:

- Dimensions: Responsive • 464 x 876 • 100% • No throttling
- Laptop – 1024px
- Form fields:
 - Header: Acme Entertainment
 - Section header: **Admin page**
 - Text: logged in as: admin (admin)
 - Section header: **Create personnel account**
 - Text input: Username [Input field]
 - Text input: Password [Input field]
 - Message: Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.
 - Checkboxes:
 - Give this new account admin privileges
 - Buttons:
 - Add personnel member
 - Section header: **Unsubscribe member**
 - Text input: E-mail [Input field]
 - Buttons:
 - Unsubscribe member
 - Section header: **Member list**
 - Buttons:
 - Show members

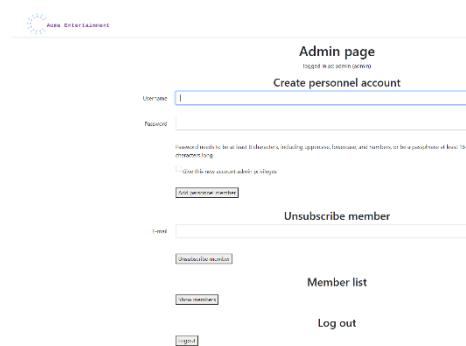
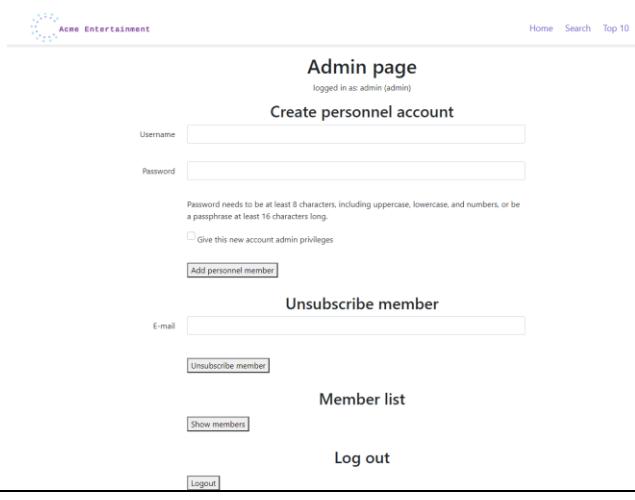
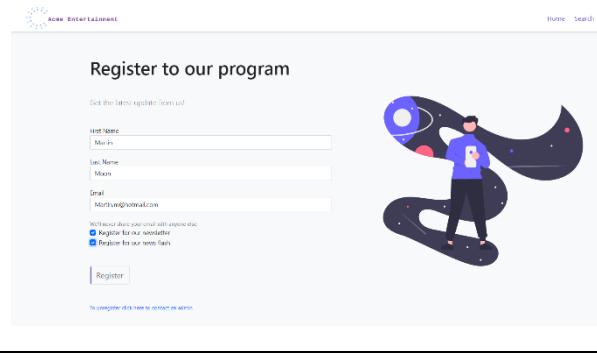
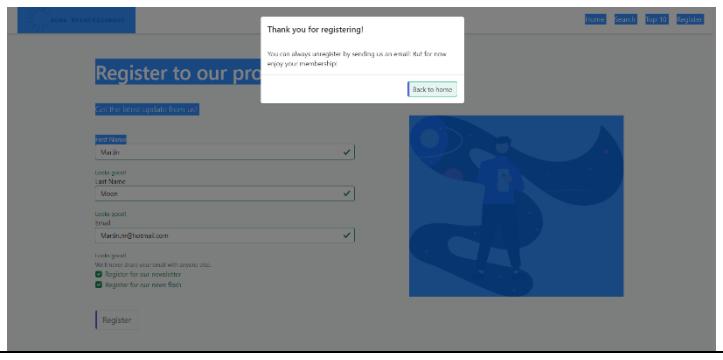
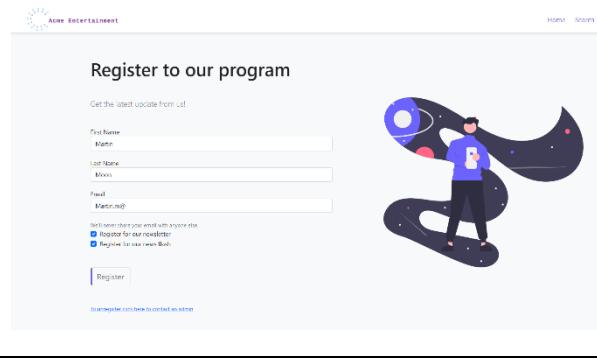
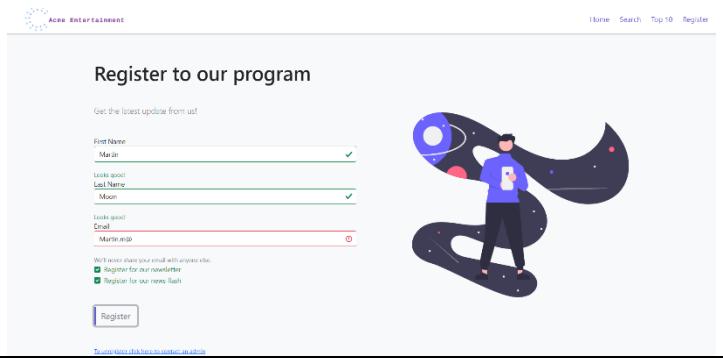
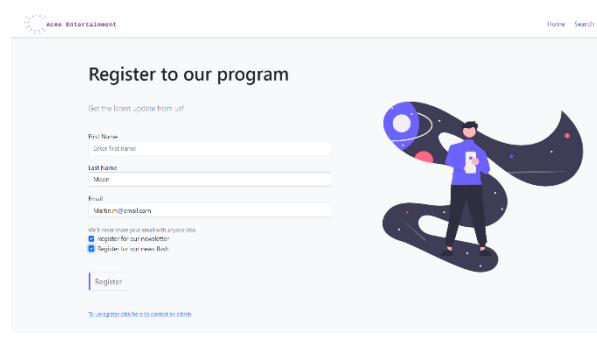
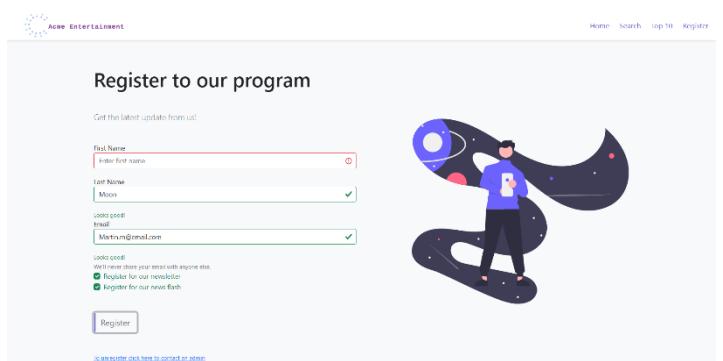
Figure 31	 <p>Admin page logged in as admin (admin)</p> <p>Create personnel account</p> <p>Username: <input type="text"/></p> <p>Password: <input type="password"/></p> <p>Username needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase of at least 16 characters long.</p> <p><input type="checkbox"/> Give this new account admin privileges</p> <p>Add personnel member <input type="button"/></p> <p>Unsubscribe member <input type="button"/></p> <p>E-mail: <input type="text"/></p> <p>Show members <input type="button"/></p> <p>Member list <input type="button"/></p> <p>Log out <input type="button"/></p>	 <p>Admin page logged in as admin (admin)</p> <p>Create personnel account</p> <p>Username: <input type="text"/></p> <p>Password: <input type="password"/></p> <p>Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase of at least 16 characters long.</p> <p><input type="checkbox"/> Give this new account admin privileges</p> <p>Add personnel member <input type="button"/></p> <p>Unsubscribe member <input type="button"/></p> <p>E-mail: <input type="text"/></p> <p>Show members <input type="button"/></p> <p>Member list <input type="button"/></p> <p>Log out <input type="button"/></p>
Figure 32	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Martin</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input type="checkbox"/> Register for our newsletter</p> <p><input type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p> <p>To register click here to contact as admin</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Martin</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input checked="" type="checkbox"/> Register for our newsletter</p> <p><input checked="" type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p> <p>Thank you for registering!</p> <p>You can always unregister by sending us an email that now ends your membership.</p> <p>Back to home <input type="button"/></p>
Figure 33	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Martin</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input type="checkbox"/> Register for our newsletter</p> <p><input type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p> <p>To register click here to contact as admin</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Enter first name</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input type="checkbox"/> Register for our newsletter</p> <p><input type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p>
Figure 34	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Enter first name</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input type="checkbox"/> Register for our newsletter</p> <p><input type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p> <p>To register click here to contact as admin</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: <input type="text"/> Enter first name</p> <p>Last Name: <input type="text"/> Moon</p> <p>Email: <input type="text"/> Martin@outlook.com</p> <p><input type="checkbox"/> Get the latest update from us!</p> <p><input type="checkbox"/> Register for our newsletter</p> <p><input type="checkbox"/> Register for our news lists</p> <p>Register <input type="button"/></p> <p>To register click here to contact as admin</p>

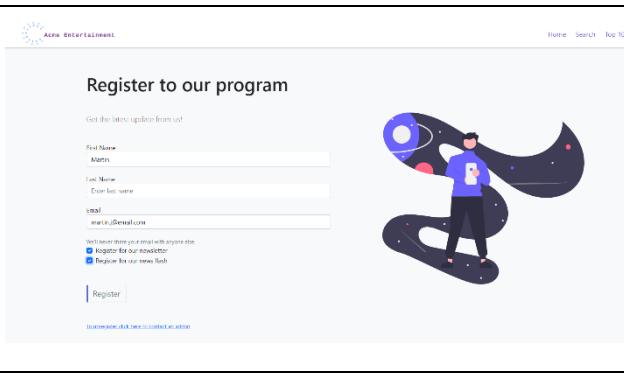
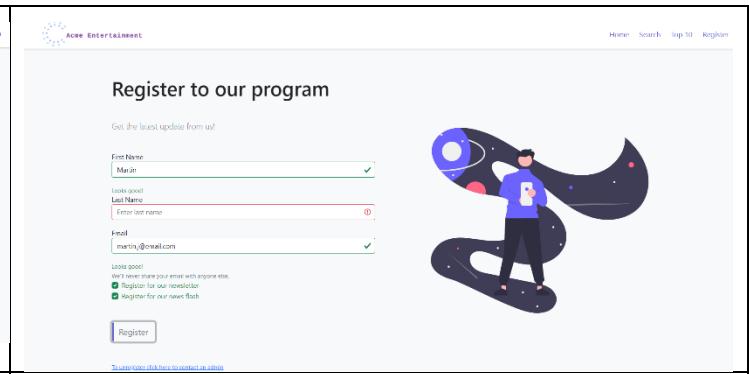
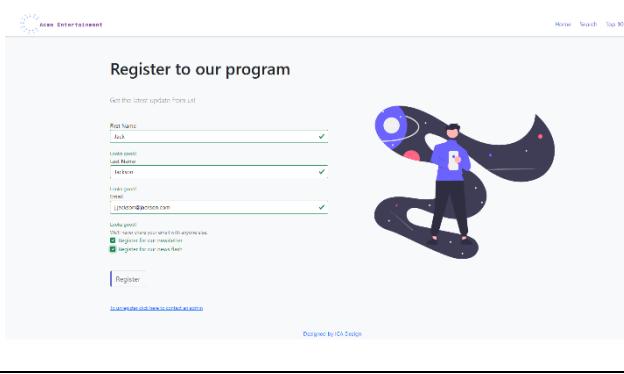
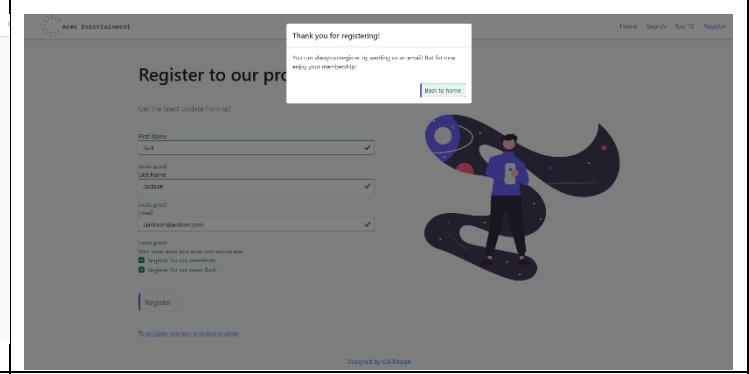
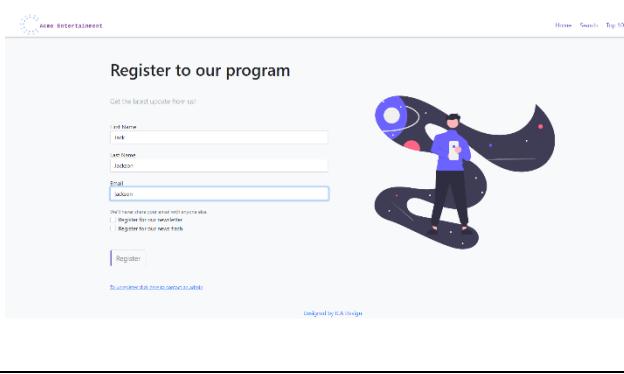
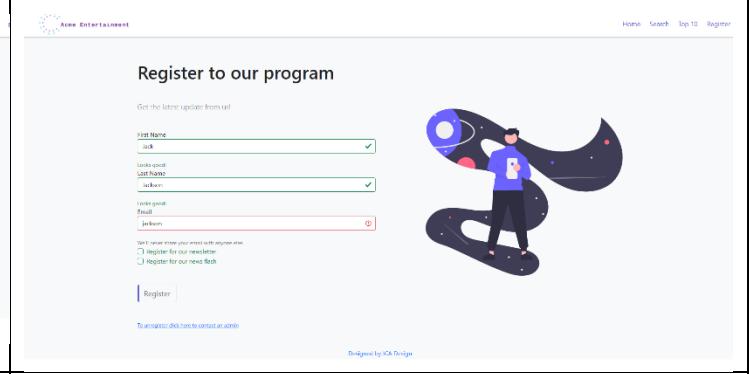
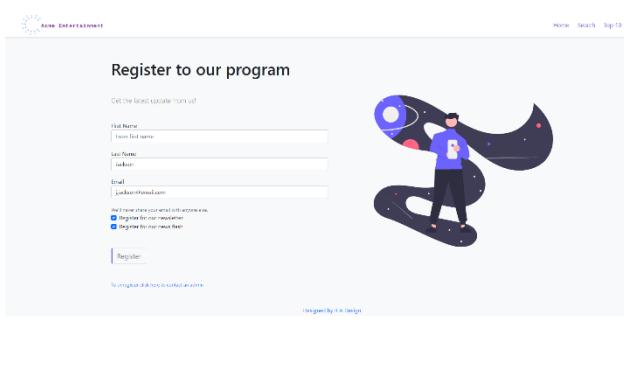
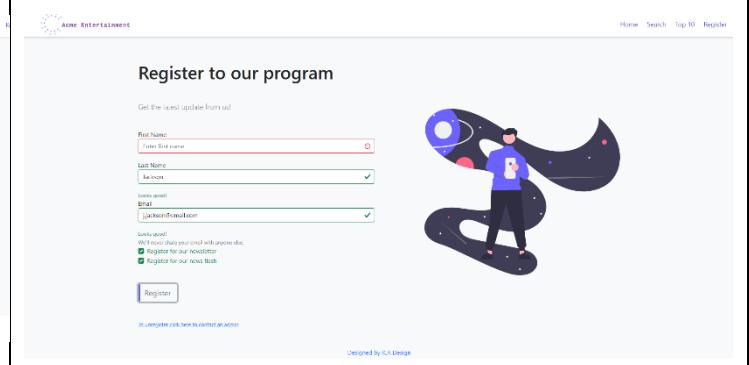
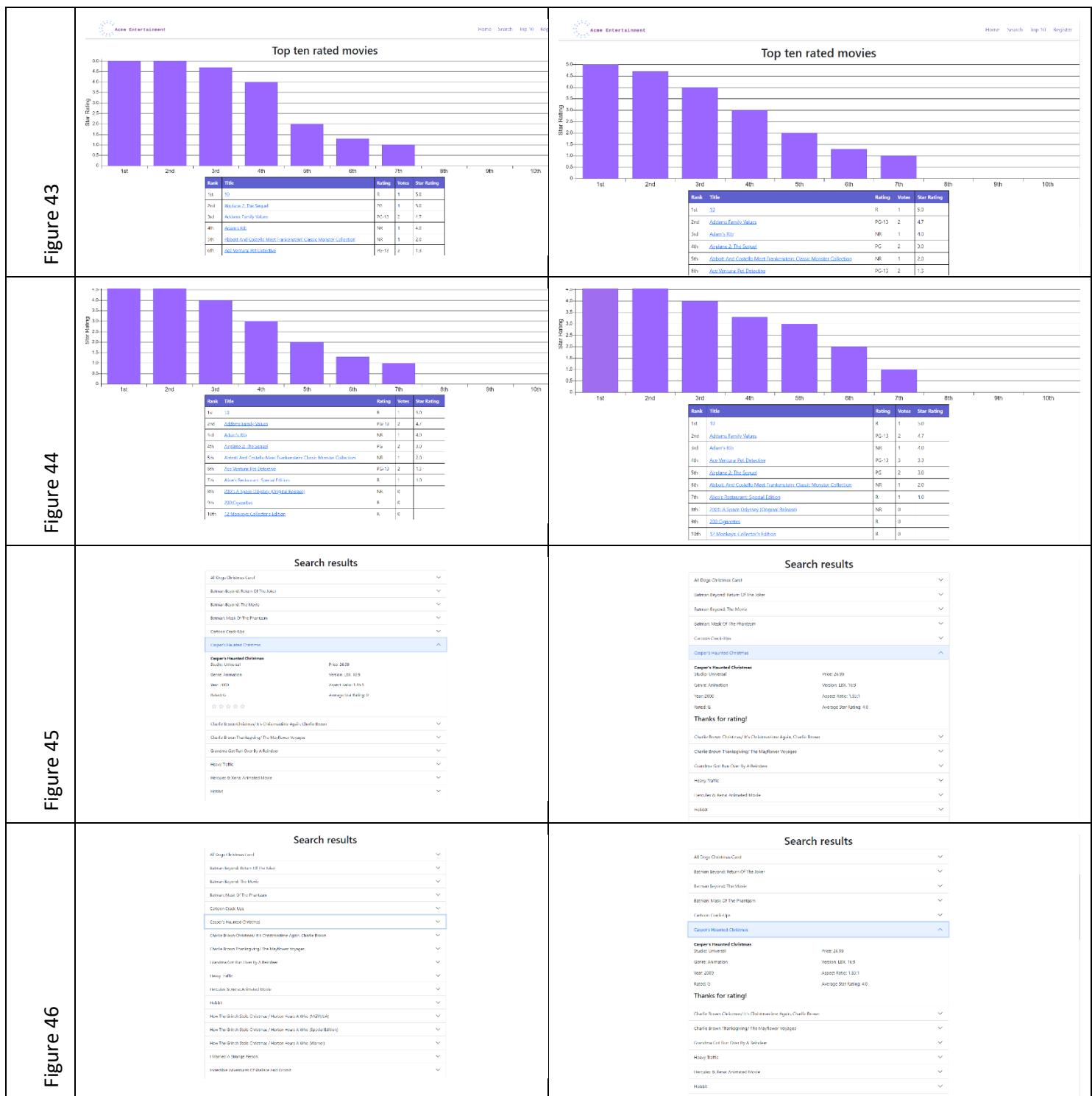
Figure 35	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Martin</p> <p>Last Name: Last first name</p> <p>Email: martin@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Martin</p> <p>Last Name: Last first name</p> <p>Email: martin@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p>
Figure 36	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jack</p> <p>Last Name: Last first name</p> <p>Email: jackson@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jack</p> <p>Last Name: Last first name</p> <p>Email: jackson@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>
Figure 37	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jack</p> <p>Last Name: Last first name</p> <p>Email: jack@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jack</p> <p>Last Name: Last first name</p> <p>Email: jack@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>
Figure 38	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jason First name</p> <p>Last Name: Jason last name</p> <p>Email: jason@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>	 <p>Register to our program</p> <p>Get the latest update from us!</p> <p>First Name: Jason First name</p> <p>Last Name: Jason last name</p> <p>Email: jason@acme.com</p> <p><input type="checkbox"/> Register for our newsletter <input checked="" type="checkbox"/> Register for our news flash</p> <p>Register</p> <p>Transcript click here to contact an agent</p> <p>Designed by ICA Design</p>

Figure 39		
Figure 40		
Figure 41		
Figure 42		



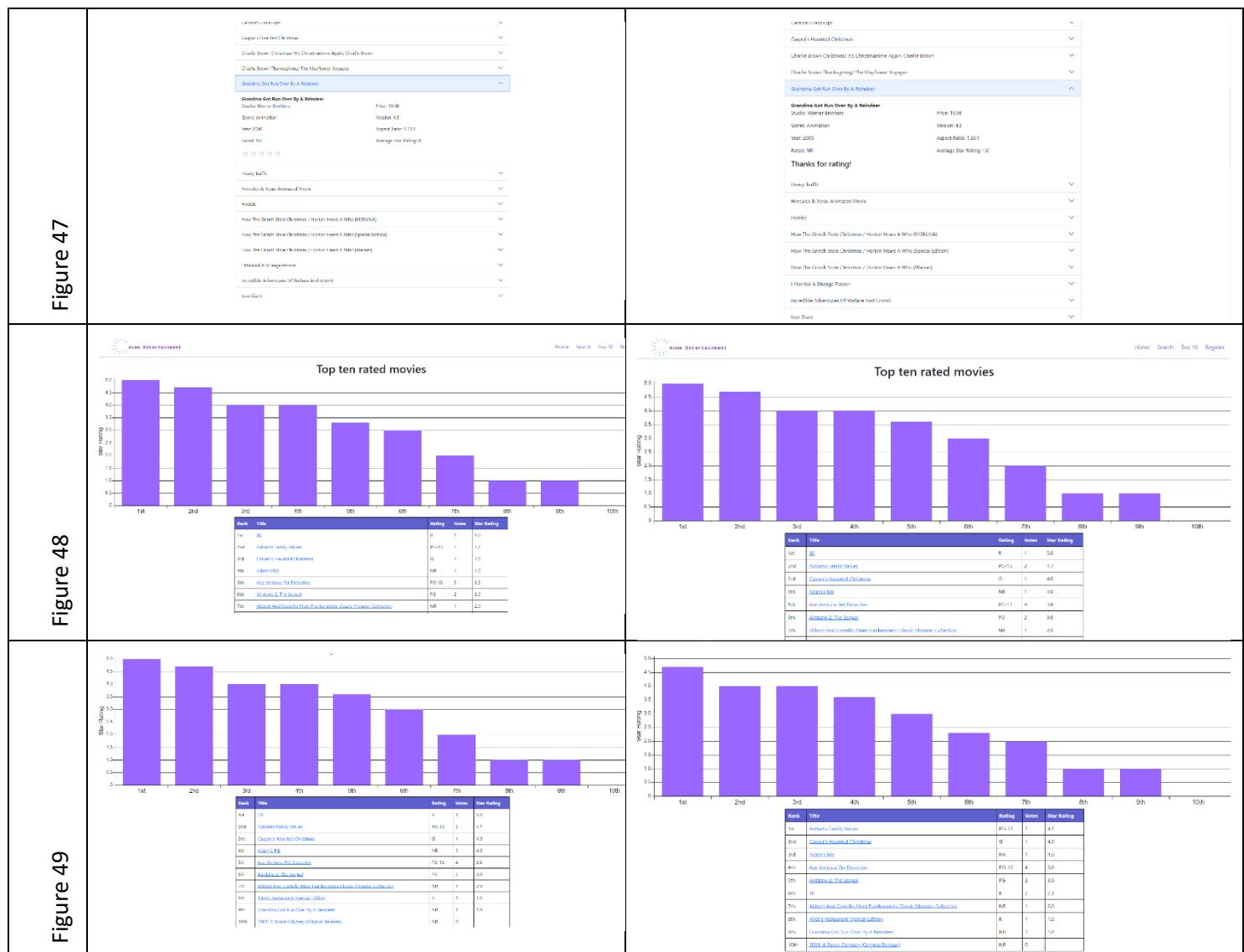


Figure 50

The screenshot shows a web browser window with the URL 192.168.56.102/ICA_Design/in.... A modal dialog box titled "Acme Personnel Login" is displayed. The "Username" field contains "caspianmaclean" and the "Password" field contains "passWORD99". A "Login" button is visible at the bottom of the dialog. Below the dialog, a "Search" button is visible on the main page. The footer of the page says "Designed by ICA Design".

Figure 51

The screenshot shows a web browser window with the URL 192.168.56.102/ICA_Design/in.... A modal dialog box titled "Acme Personnel Login" is displayed. The "Username" field contains "admin" and the "Password" field contains "*****". A "Login" button is visible at the bottom of the dialog. Below the dialog, a message "Incorrect username or password" is displayed. A "Search" button is visible on the main page. The footer of the page says "Designed by ICA Design".

Figure 52

The screenshot shows the 'Admin page' interface. At the top, there's a logo for 'Acme Entertainment' and navigation links for Home, Search, Top 10, Admin, and Logout. The main content area has three main sections: 'Create personnel account', 'Unsubscribe member', and 'Member list'. The 'Create personnel account' section contains fields for Username and Password, a note about password requirements, and a checkbox for admin privileges. The 'Unsubscribe member' section has a field for E-mail and a button to unsubscribe. The 'Member list' section has a 'Show members' button.

Figure 53

This screenshot is identical to Figure 52, showing the 'Admin page' interface with sections for account creation, member unsubscribing, and viewing the member list. The visual style is slightly different due to a different browser theme or settings.

The figure displays two screenshots of a web-based administration interface for the 'Acme Entertainment Project'. Both screenshots are identical in layout but differ in the status of a specific action.

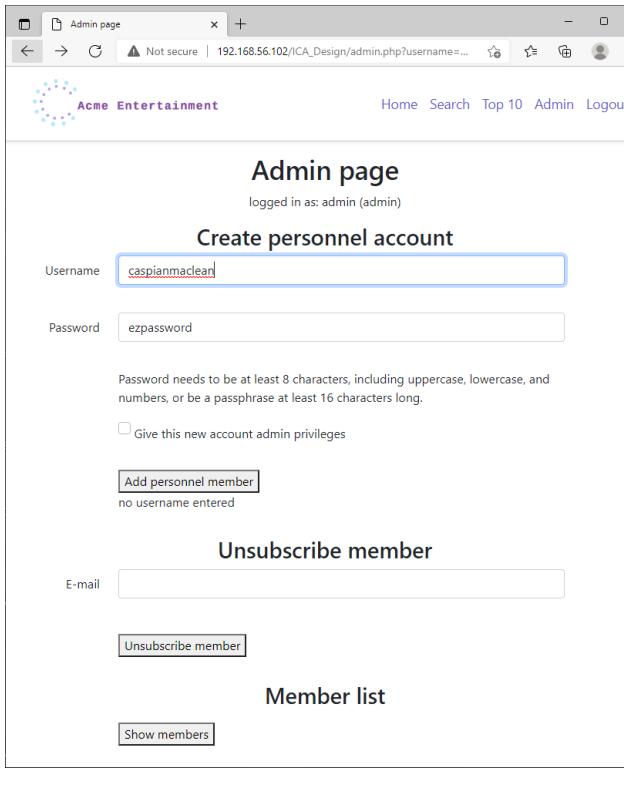
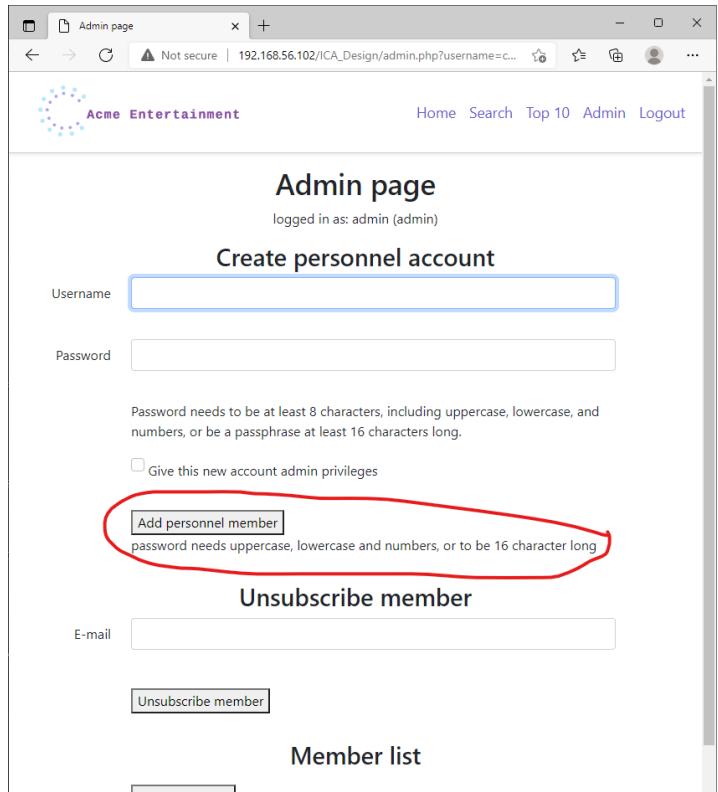
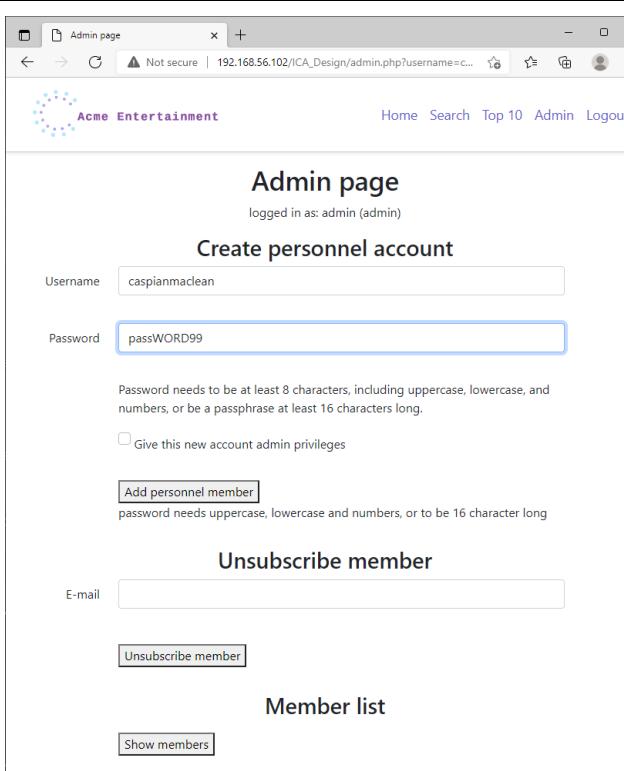
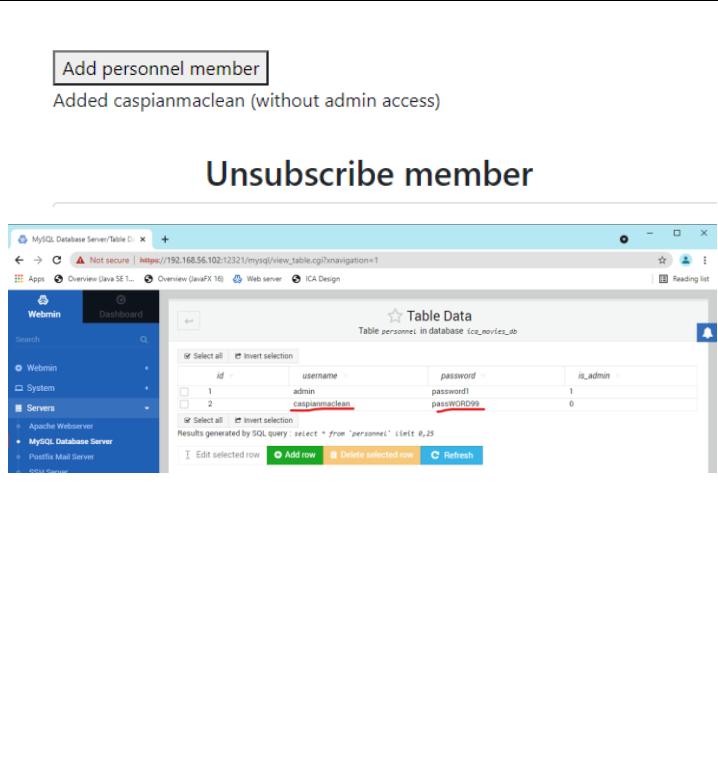
Left Screenshot (Successful Creation):

- Header:** Admin page | Not secure | 192.168.56.102/ICA_Design/admin.php?username=...
- Top Navigation:** Home Search Top 10 Admin Logout
- Title:** Admin page
- User Information:** logged in as: admin (admin)
- Create personnel account:**
 - Username:
 - Password: thisIsMyPassword9
 - Feedback: Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.
 - Give this new account admin privileges
 - Add personnel member** (button)
- Unsubscribe member:**
 - E-mail:
 - Unsubscribe member** (button)
 - Feedback: Unsubscribing email address: lt@bedrock.com
 - Feedback: Unsuccessful: Not found subscribed in member database
- Member list:** (Table with one row, showing a progress bar)

Right Screenshot (Unsuccessful Creation):

- Header:** Admin page | Not secure | 192.168.56.102/ICA_Design/admin.php?username=...
- Top Navigation:** Home Search Top 10 Admin Logout
- Title:** Admin page
- User Information:** logged in as: admin (admin)
- Create personnel account:**
 - Username:
 - Password:
 - Feedback: Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.
 - Give this new account admin privileges
 - Add personnel member** (button) (circled in red)
- Unsubscribe member:**
 - E-mail:
 - Unsubscribe member** (button)
- Member list:** (Table with one row, showing a progress bar)

Figure 54

<p>Figure 55</p>  <p>The screenshot shows the 'Admin page' interface. In the 'Create personnel account' section, a new user 'caspianmaclean' has been added successfully. The 'Add personnel member' button is circled in red.</p>	 <p>The screenshot shows the 'Admin page' interface. In the 'Create personnel account' section, an attempt to add a new user with the password 'ezpassword' fails because it does not meet the complexity requirements. The 'Add personnel member' button is circled in red.</p>													
<p>Figure 56</p>  <p>The screenshot shows the 'Admin page' interface. In the 'Create personnel account' section, a new user 'caspianmaclean' is added with the password 'passWORD99'. Below the interface, a screenshot of the MySQL Database Server/Table Data window shows the 'personnel' table with the new user record.</p> <table border="1"> <thead> <tr> <th></th> <th>id</th> <th>username</th> <th>password</th> <th>is_admin</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>admin</td> <td>password1</td> <td>1</td> </tr> <tr> <td>2</td> <td>caspianmaclean</td> <td>passWORD99</td> <td>0</td> </tr> </tbody> </table>		id	username	password	is_admin	1	admin	password1	1	2	caspianmaclean	passWORD99	0	 <p>The screenshot shows the MySQL Database Server/Table Data window for the 'personnel' table. It displays two rows of data: one for the admin user and one for the newly created user 'caspianmaclean'.</p>
	id	username	password	is_admin										
1	admin	password1	1											
2	caspianmaclean	passWORD99	0											

The figure displays two side-by-side browser windows. The left window shows the 'Admin page' at 192.168.56.102/ICA_Design/admin.php?username=c.... It features a header 'Admin page' and 'logged in as: admin (admin)'. Below this are fields for 'Username' and 'Password', a note about password requirements, a checkbox for 'Give this new account admin privileges', and a button 'Add personnel member'. A message indicates 'Added caspiannmaclean (without admin access)'. Below these are sections for 'Unsubscribe member' (with an 'E-mail' field and 'Unsubscribe member' button), 'Member list' (with a 'Show members' button), and 'Log out'. A red oval highlights the 'Logout' button. The right window shows the 'Home' page at 192.168.56.102/ICA_Design/index.php. It has a header 'Acme Entertainment' with a logo, and navigation links 'Home', 'Search', 'Top 10', and 'Register'. The main content area features a stylized illustration of a person holding a purple play button icon, surrounded by three smaller play button icons. The text 'Acme Entertainment' is prominently displayed, followed by a welcome message: 'Welcome to our self proclaimed "biggest movie database" website. Don't forget to register to our newsletter'.

Figure 57

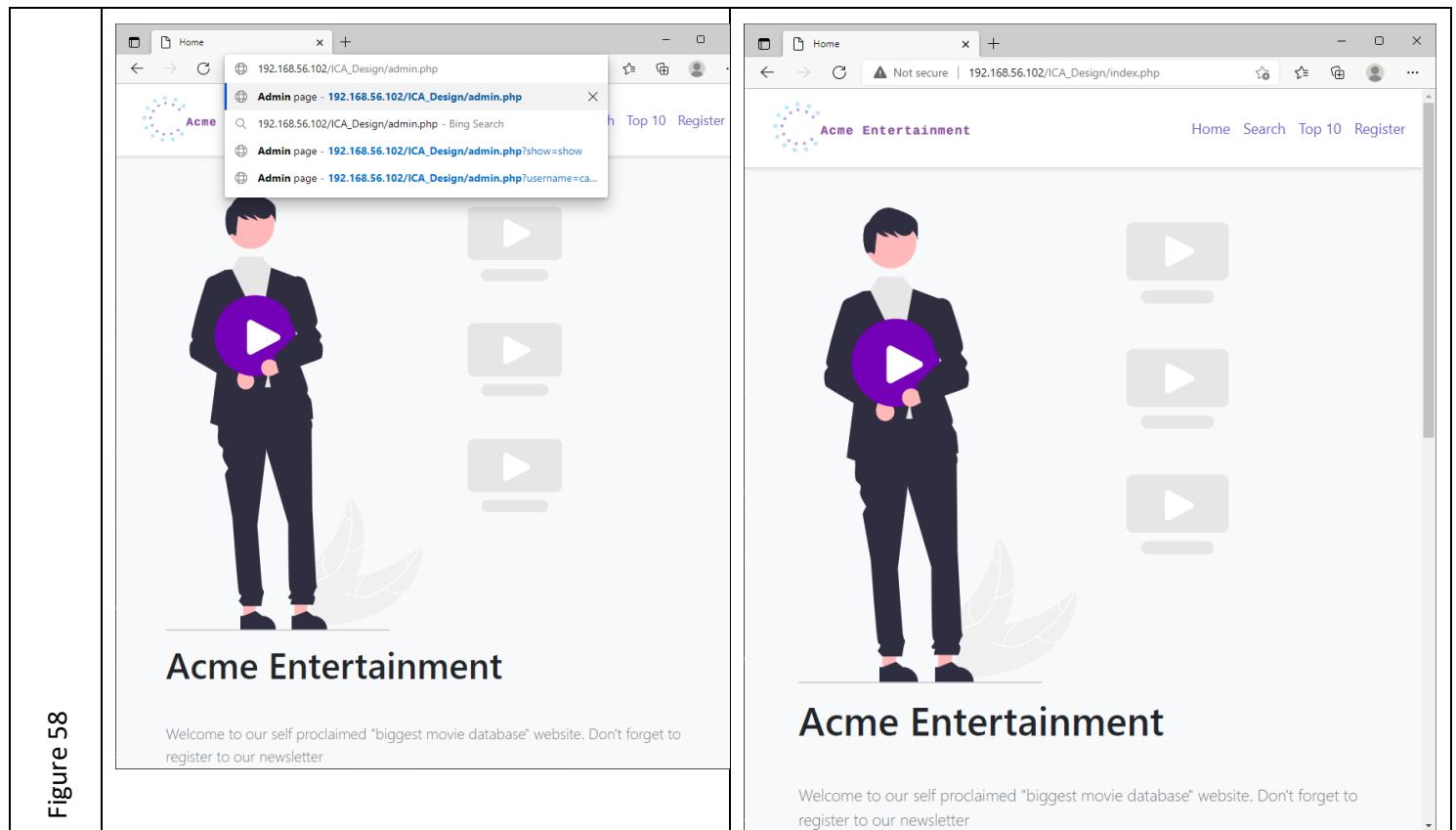


Figure 58

Figure 59

Acme Personnel Login

Username: caspianmaclean

Password: passWORD99

Login

Search through our database

Check out our wide range of movies available!

Search

Designed by ICA Design

Figure 59

Admin page

logged in as: caspianmaclean (personnel)

Member list

Full name	E-mail address	Subscribed to newsletter	Subscribed to newsflashes
Linus Torvalds	lt@kernel.org	no	no
Fred Flintstone	ff@bedrock.com	no	no
Jack Jackson	jjackson@jackson.com	no	no

Show members

Log out

Logout

Figure 60

Admin page

Create personnel account

Username: []

Password: []

Give this new account admin privileges:

Add personnel member

Unsubscribe member

E-mail: []

Member list

Show members

Log out

Figure 60

Admin page

logged in as: admin (admin)

Create personnel account

Username: []

Password: []

Password needs to be at least 8 characters, including uppercase, lowercase, and numbers, or be a passphrase at least 16 characters long.

Give this new account admin privileges:

Add personnel member

Unsubscribe member

E-mail: []

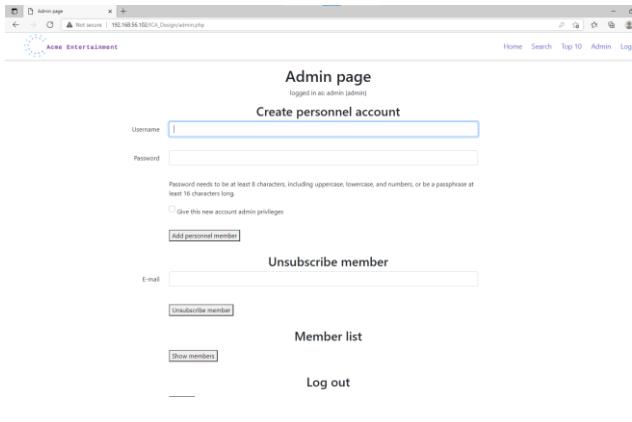
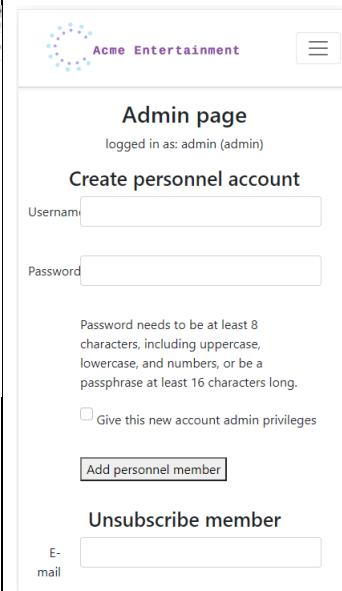
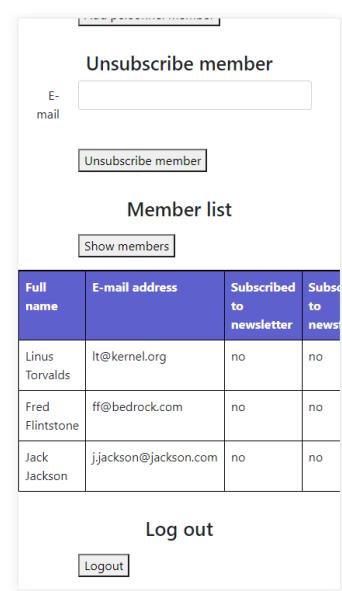
Member list

Show members

Full name	E-mail address	Subscribed to newsletter	Subscribed to newsflashes
Linus Torvalds	lt@kernel.org	no	no
Fred Flintstone	ff@bedrock.com	no	no
Jack Jackson	jjackson@jackson.com	no	no
Martin Moon	Martin.m@hotmail.com	yes	yes

Log out

Logout

	<p>member</p> <p>mber list</p> <p>ers</p> <table border="1"> <thead> <tr> <th>ress</th> <th>Subscribed to newsletter</th> <th>Subscribed to newsflashes</th> <th>Unsubscribe</th> </tr> </thead> <tbody> <tr> <td>rg</td> <td>no</td> <td>no</td> <td>Unsubscribe member</td> </tr> <tr> <td>.com</td> <td>no</td> <td>no</td> <td>Unsubscribe member</td> </tr> <tr> <td>ackson.com</td> <td>no</td> <td>no</td> <td>Unsubscribe member</td> </tr> <tr> <td>hotmail.com</td> <td>yes</td> <td>yes</td> <td>Unsubscribe member</td> </tr> </tbody> </table> <p>og out</p>	ress	Subscribed to newsletter	Subscribed to newsflashes	Unsubscribe	rg	no	no	Unsubscribe member	.com	no	no	Unsubscribe member	ackson.com	no	no	Unsubscribe member	hotmail.com	yes	yes	Unsubscribe member
ress	Subscribed to newsletter	Subscribed to newsflashes	Unsubscribe																		
rg	no	no	Unsubscribe member																		
.com	no	no	Unsubscribe member																		
ackson.com	no	no	Unsubscribe member																		
hotmail.com	yes	yes	Unsubscribe member																		
Figure 61	  																				

	<p>Subscribe member</p> <p><input type="text"/></p> <p><input type="button" value="member"/></p> <p>Member list</p> <p><input type="button" value="members"/></p> <table border="1"><thead><tr><th>Address</th><th>Subscribed to newsletter</th><th>Subscribed to newflashes</th><th>Unsubscribe</th></tr></thead><tbody><tr><td>org</td><td>no</td><td>no</td><td>Unsubscribe member</td></tr><tr><td>lk.com</td><td>no</td><td>no</td><td>Unsubscribe member</td></tr><tr><td>jackson.com</td><td>no</td><td>no</td><td>Unsubscribe member</td></tr></tbody></table> <p>Log out</p>	Address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe	org	no	no	Unsubscribe member	lk.com	no	no	Unsubscribe member	jackson.com	no	no	Unsubscribe member
Address	Subscribed to newsletter	Subscribed to newflashes	Unsubscribe														
org	no	no	Unsubscribe member														
lk.com	no	no	Unsubscribe member														
jackson.com	no	no	Unsubscribe member														

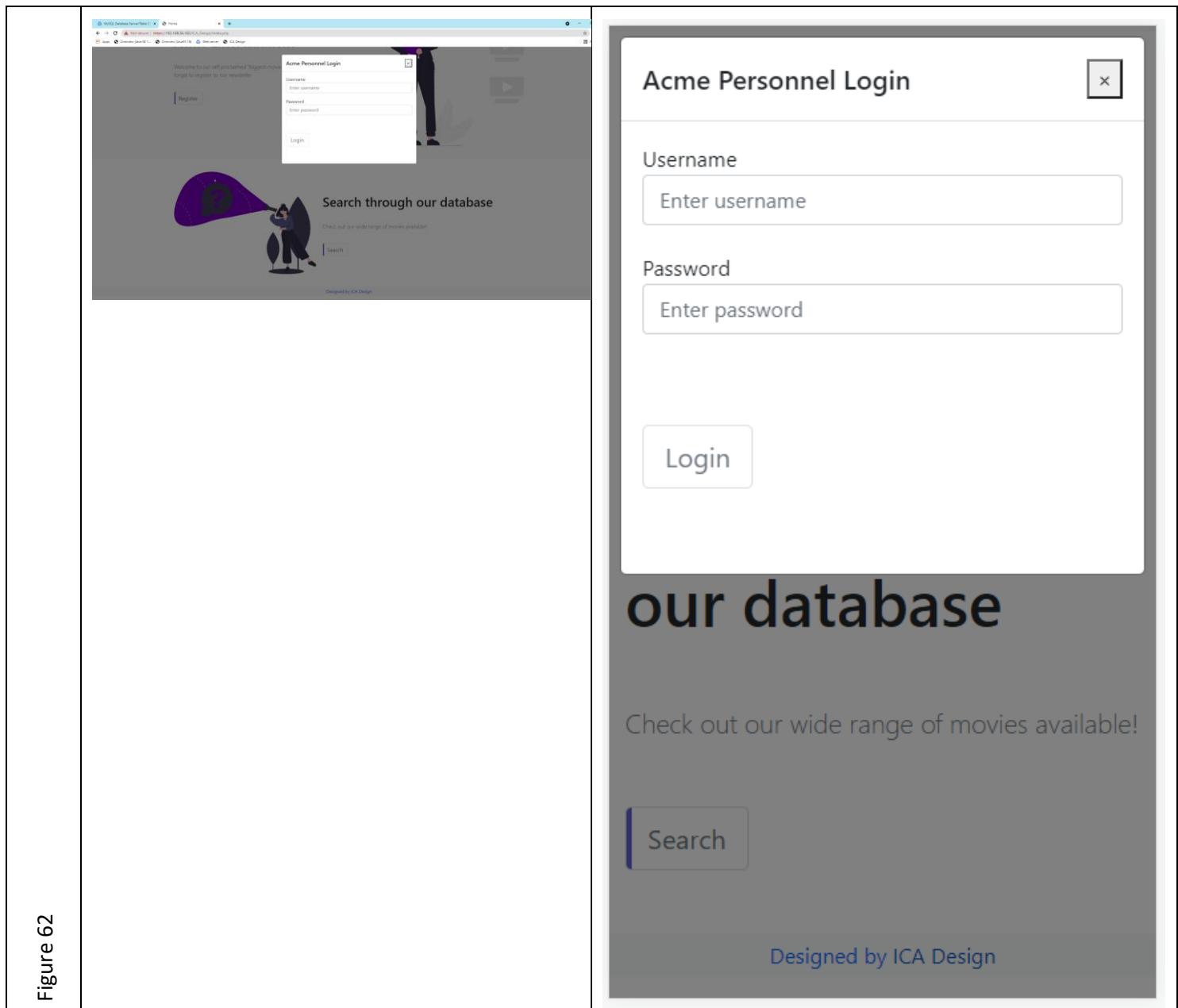
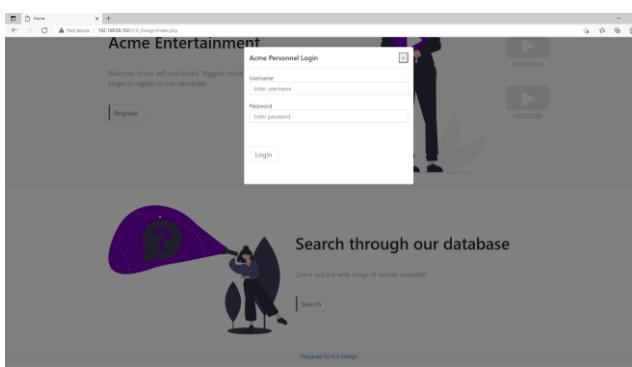


Figure 62



The image shows a screenshot of a web browser displaying the 'Acme Entertainment' website. A modal window titled 'Acme Personnel Login' is overlaid on the page. The modal contains fields for 'Username' and 'Password', both labeled 'Enter [field]'. Below the fields is a 'Login' button. The background of the website features a dark banner with white text: 'Search through our database' and 'Check out our wide range of movies available!'. There is also a small illustration of a person holding a megaphone.

Acme Personnel Login

Username

Enter username

Password

Enter password

Login

our database

Check out our wide range of movies available!

Search

Designed by ICA Design

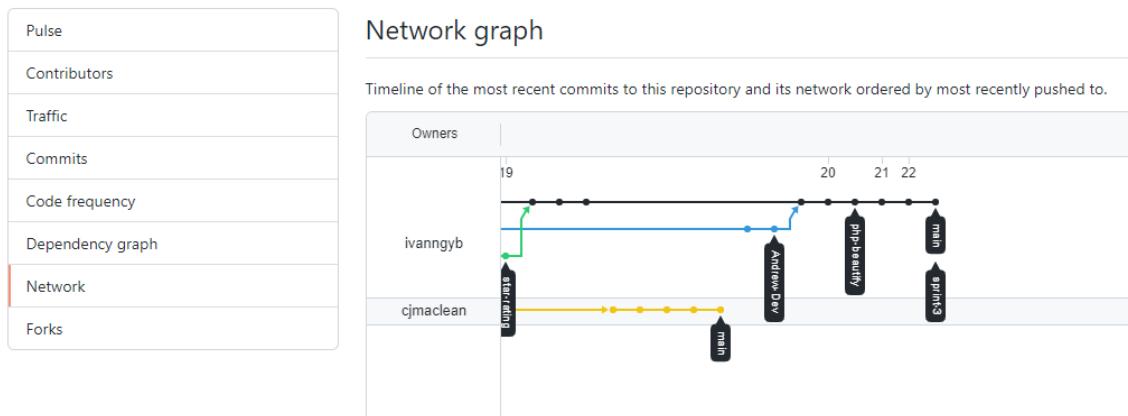
Figure 63

HANOVER

Software Review Report

How team ensured quality of software?

Throughout the sprints we followed very closely to our standard of procedure. For development we made sure to make individual changes on various branches and we would then merge it to the current sprint branch before merging into the main branch.



When testing we made sure to follow our test cases which gets updated throughout our three sprints. Because we chose to do regression testing for every sprint we re-tested every functionality of our program to ensure that everything in previous sprints were still working.

Processes utilized for adequate control of development process

As a team we made sure to have frequent meetings to check where everyone is at on the program. As mentioned before we would also work on various branches of our GIT and we would review changes before merging.

Another process we utilized was making sure we tested each other's work to make sure that it had good a user experience and usability.

Code testing process

For testing we made sure to test every function of our program for every sprint. The step goes as follows:

1. Update testing plans with additional new requirements from clients
2. Re-test every function
3. Take screenshots and update plan as we go
4. Sprint master combines everyone's test into master document



Future modification and refinements

When handing over our software we will ensure that our program is adequately commented and well documented. We will also provide help files such as documentations for where and how to modify the website.

Criteria and Requirement Testing

Appearance	Yes	No
Good use of colour?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is it pleasant to look at?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the structure properly organized?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there a header and a footer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there a logo?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the navigation well designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Functionality	Yes	No
The application functions correctly on multiple platforms and screen sizes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Users can register / unregister for a newsletter or news updates.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Registration requires First name, Last name, and a valid email.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Application has password login system for administrators and Acme personnel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The password must pass a minimum complexity test.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The application has a rating system for the movies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The ratings on the screen are updated as the ratings change.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The top ten page chart and table update as the ratings change.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the navigation work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Can you search by any combination of movie criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the application show all the movie's details?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does it have a Top 10 chart?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

User Experience	Yes	No
Is the application easy to use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the text large enough to read comfortably?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Is the navigation and layout intuitive?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the design interesting?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Responsiveness	Yes	No
Is the application visually appealing on mobile screens?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does it still work on a mobile sized interface?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the application visually appealing on tablet screens?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does it still work on a tablet sized interface?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the application visually appealing on desktop monitors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does it still work on desktop computer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Accessibility and Readability	Yes	No
Does the application work on different browsers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the application work on different types of devices?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the text remain large enough to read on different screen sizes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Do necessary images have alt text to explain what they are?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The application is perceivable using sight and/or sound.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The application is operable using just the keyboard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The application structure and functionality are easy to comprehend and understand.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Software Testing Plan

No further testing was required as client was satisfied with the all the functionality of the website.

WCAG Requirements

To ensure that our website met WCAG requirements we made sure to include alt-text on our images, ensured that the website can be navigated with only the use of a keyboard and that every element and form on the page can be read by a screen reader.

In our case we used Microsoft Narrator and NVDA to test the screen reader to make sure that the info being read is accurate and met WCAG requirements.

```
hite navbar-light shadow-sm">
dex.php"></a>
ypes="button" data-bs-toggle="collapse" data-bs-target="#collapsibleNavbar">
icon"></span>
apse" id="collapsibleNavbar">
o">
href="#index.php">Home</a>
```



References

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01, 2021, from citems: <https://www.citems.com.au/services/application-development/quality-management/>

End of Assessment