**CS673 Software Engineering** 

**Team 3 - Movie Data Visualization Platform**

**Userstories**

| **[TEAM3-26]** [**User Story 3\_6 - Refresh movie data in real-time from external sources**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-26)Created: 10/Oct/24 Updated: 12/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Hengyi Song](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A0eb4fae2-2669-44e3-9a41-1174522499b8) | **Assignee:** | [Hengyi Song](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A0eb4fae2-2669-44e3-9a41-1174522499b8) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-32](https://bu-team-a215u289.atlassian.net/browse/TEAM3-32) | [External Data Source Integration for ...](https://bu-team-a215u289.atlassian.net/browse/TEAM3-32) | Subtask | To Do | Xuansheng Xia | | [TEAM3-33](https://bu-team-a215u289.atlassian.net/browse/TEAM3-33) | [Real-Time Data Fetching and Synchroni...](https://bu-team-a215u289.atlassian.net/browse/TEAM3-33) | Subtask | To Do | Xuansheng Xia | | [TEAM3-34](https://bu-team-a215u289.atlassian.net/browse/TEAM3-34) | [Automated Visualizations Update](https://bu-team-a215u289.atlassian.net/browse/TEAM3-34) | Subtask | To Do | Xuansheng Xia | | [TEAM3-35](https://bu-team-a215u289.atlassian.net/browse/TEAM3-35) | [Testing and Validation of Real-Time D...](https://bu-team-a215u289.atlassian.net/browse/TEAM3-35) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0004v: |
| **Story point estimate:** | 5 |

| **Description** |  |
| --- | --- |

| As a system administrator, I want the platform to refresh movie data in real-time from external sources,  So that the visualizations always reflect the latest information without manual updates. **Acceptance Test 1:** Given: The platform is connected to external movie data sources,  When: New data becomes available,  Then: The platform should automatically update the movie information in real-time. **Acceptance Test 2:** Given: The platform is displaying movie data visualizations,  When: The data is refreshed in real-time,  Then: The visualizations should update accordingly to reflect the latest movie information. |
| --- |

| **[TEAM3-25]** [**User Story 3\_5 - Create an account and save my dashboard preferences**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-25)Created: 10/Oct/24 Updated: 12/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Hengyi Song](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A0eb4fae2-2669-44e3-9a41-1174522499b8) | **Assignee:** | [Hengyi Song](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A0eb4fae2-2669-44e3-9a41-1174522499b8) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-28](https://bu-team-a215u289.atlassian.net/browse/TEAM3-28) | [User Registration and Account Creation](https://bu-team-a215u289.atlassian.net/browse/TEAM3-28) | Subtask | To Do | Xuansheng Xia | | [TEAM3-29](https://bu-team-a215u289.atlassian.net/browse/TEAM3-29) | [Dashboard Customization and Preferenc...](https://bu-team-a215u289.atlassian.net/browse/TEAM3-29) | Subtask | To Do | Xuansheng Xia | | [TEAM3-30](https://bu-team-a215u289.atlassian.net/browse/TEAM3-30) | [User Login and Preference Retrieval](https://bu-team-a215u289.atlassian.net/browse/TEAM3-30) | Subtask | To Do | Xuansheng Xia | | [TEAM3-31](https://bu-team-a215u289.atlassian.net/browse/TEAM3-31) | [Testing and Validation of Account and...](https://bu-team-a215u289.atlassian.net/browse/TEAM3-31) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0004n: |
| **Story point estimate:** | 5 |

| **Description** |  |
| --- | --- |

| As a frequent user of the platform, I want to create an account and save my dashboard preferences, so that I can return to the platform with my customized settings intact. **Acceptance Test 1:** Given: A dataset of movie reviews,  When: The user requests a word cloud,  Then: The system should generate a word cloud that highlights the most frequently mentioned terms. **Acceptance Test 2:** Given: A dataset of movie reviews,  When: The user requests sentiment analysis,  Then: The system should categorize the reviews into positive, neutral, and negative sentiments. |
| --- |

| **[TEAM3-24]** [**user story 3-8 Top Movies by Genre**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-24)Created: 10/Oct/24 Updated: 16/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Ziliang Ren](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A72c497a0-8e8e-4db7-980d-def09302796c) | **Assignee:** | [Ziliang Ren](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A72c497a0-8e8e-4db7-980d-def09302796c) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| **Rank:** | 0|i00051: |
| --- | --- |

| **Description** |  |
| --- | --- |

| As a **user**, I want to **see a list of top-rated movies for each genre**, so that **I can explore the best movies in categories that interest me.**  **Acceptance Test 1**:  **Given**: A dataset of movies with ratings and genres,  **When**: The user selects a specific genre,  **Then**: The system should display a ranked list of the top-rated movies in that genre.  **Acceptance Test 2**:  **Given**: A dataset of movies with ratings,  **When**: The user specifies the number of movies they want to see (e.g., top 10),  **Then**: The system should adjust the list to display the top-rated movies up to the specified number. |
| --- |

| **[TEAM3-23]** [**user story 3-7 - Movie Ratings Visualization**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-23)Created: 10/Oct/24 Updated: 16/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Ziliang Ren](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A72c497a0-8e8e-4db7-980d-def09302796c) | **Assignee:** | [Ziliang Ren](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A72c497a0-8e8e-4db7-980d-def09302796c) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| **Rank:** | 0|i0004z: |
| --- | --- |

| **Description** |  |
| --- | --- |

| As a **user**, I want to **visualize the distribution of movie ratings**, so that **I can understand the overall rating trends for different movies.**  **Acceptance Test 1**:  **Given**: A dataset of movie ratings,  **When**: The user requests a ratings distribution visualization,  **Then**: The system should generate a chart that shows the frequency of each rating across the dataset.  **Acceptance Test 2**:  **Given**: A dataset with both high and low ratings,  **When**: The user filters the data by a specific range (e.g., 4-5 stars),  **Then**: The system should update the chart to only show the ratings within the specified range. |
| --- |

| **[TEAM3-6]** [**User Story 3\_4 - Apply Custom Filters to Visualized Data**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-6)Created: 10/Oct/24 Updated: 10/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Xuansheng Xia](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3Ac478580d-cee0-4999-b151-32d1e6de6929) | **Assignee:** | [Xuansheng Xia](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3Ac478580d-cee0-4999-b151-32d1e6de6929) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-11](https://bu-team-a215u289.atlassian.net/browse/TEAM3-11) | [Implement filter by rating](https://bu-team-a215u289.atlassian.net/browse/TEAM3-11) | Subtask | To Do | Xuansheng Xia | | [TEAM3-12](https://bu-team-a215u289.atlassian.net/browse/TEAM3-12) | [Implement filter by genre](https://bu-team-a215u289.atlassian.net/browse/TEAM3-12) | Subtask | To Do | Xuansheng Xia | | [TEAM3-13](https://bu-team-a215u289.atlassian.net/browse/TEAM3-13) | [Implement filter by language](https://bu-team-a215u289.atlassian.net/browse/TEAM3-13) | Subtask | To Do | Xuansheng Xia | | [TEAM3-14](https://bu-team-a215u289.atlassian.net/browse/TEAM3-14) | [Test filter functionalities](https://bu-team-a215u289.atlassian.net/browse/TEAM3-14) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0000e:i |
| **Story point estimate:** | 5 |

| **Description** |  |
| --- | --- |

| As a user, I want to apply custom filters (e.g., rating, genre, language) to the visualized data, so that I can focus on specific movie categories or attributes relevant to my research.  **Acceptance Test 1**:  Given: A dataset of movie reviews,  When: The user applies a filter by genre,  Then: The system should display only reviews that belong to the selected genre.  **Acceptance Test 2**:  Given: A dataset of movie reviews,  When: The user applies a filter by rating,  Then: The system should display only reviews with the selected rating. |
| --- |

| **[TEAM3-5]** [**User Story 3\_3 - Generate Word Cloud and Perform Sentiment Analysis**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-5)Created: 10/Oct/24 Updated: 10/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Xuansheng Xia](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3Ac478580d-cee0-4999-b151-32d1e6de6929) | **Assignee:** | [Xuansheng Xia](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3Ac478580d-cee0-4999-b151-32d1e6de6929) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-7](https://bu-team-a215u289.atlassian.net/browse/TEAM3-7) | [Collect movie review dataset](https://bu-team-a215u289.atlassian.net/browse/TEAM3-7) | Subtask | To Do | Xuansheng Xia | | [TEAM3-8](https://bu-team-a215u289.atlassian.net/browse/TEAM3-8) | [Clean and preprocess the dataset](https://bu-team-a215u289.atlassian.net/browse/TEAM3-8) | Subtask | To Do | Xuansheng Xia | | [TEAM3-9](https://bu-team-a215u289.atlassian.net/browse/TEAM3-9) | [Perform sentiment analysis](https://bu-team-a215u289.atlassian.net/browse/TEAM3-9) | Subtask | To Do | Xuansheng Xia | | [TEAM3-10](https://bu-team-a215u289.atlassian.net/browse/TEAM3-10) | [Generate word cloud](https://bu-team-a215u289.atlassian.net/browse/TEAM3-10) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0000e: |
| **Story point estimate:** | 8 |

| **Description** |  |
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| As a user, I want to generate a word cloud from movie reviews and perform sentiment analysis, so that I can understand the general tone of user feedback and the most frequently mentioned terms in reviews.  **Acceptance Test 1**:  Given: A dataset of movie reviews,  When: The user requests a word cloud,  Then: The system should generate a word cloud that highlights the most frequently mentioned terms.  **Acceptance Test 2**:  Given: A dataset of movie reviews,  When: The user requests sentiment analysis,  Then: The system should categorize the reviews into positive, neutral, and negative sentiments. |
| --- |

| **[TEAM3-2]** [**User Story 3\_2 - Analyze Language Diversity in Movies**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-2)Created: 03/Oct/24 Updated: 11/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Xiao Juan Li](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A5ccfe758-3370-4d4d-b07c-7a1c612872a1) | **Assignee:** | [Xiao Juan Li](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A5ccfe758-3370-4d4d-b07c-7a1c612872a1) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-19](https://bu-team-a215u289.atlassian.net/browse/TEAM3-19) | [Extract and clean movie language data](https://bu-team-a215u289.atlassian.net/browse/TEAM3-19) | Subtask | To Do | Xuansheng Xia | | [TEAM3-20](https://bu-team-a215u289.atlassian.net/browse/TEAM3-20) | [Analyze language distribution](https://bu-team-a215u289.atlassian.net/browse/TEAM3-20) | Subtask | To Do | Xuansheng Xia | | [TEAM3-21](https://bu-team-a215u289.atlassian.net/browse/TEAM3-21) | [Create a bar chart visualization](https://bu-team-a215u289.atlassian.net/browse/TEAM3-21) | Subtask | To Do | Xuansheng Xia | | [TEAM3-22](https://bu-team-a215u289.atlassian.net/browse/TEAM3-22) | [Test the implementation](https://bu-team-a215u289.atlassian.net/browse/TEAM3-22) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0000d: |
| **Story point estimate:** | 5 |

| **Description** |  |
| --- | --- |

| ***As*** *a user*, ***I want to*** analyze the diversity of languages used in movies ***so that*** I can study trends in language representation in the film industry.   * **Acceptance Test 1:**  **Given the menu “Language Diversity” is available.****When I click on this menu.****Then I should see a bar chart visualizing the number of movies produced in various languages.**  * **Acceptance Test 2:**  **Given the bar chart of language diversity is displayed.****When I hover over a specific language bar.****Then I should see the exact number of movies produced in that language as a tooltip or label.** |
| --- |

| **[TEAM3-1]** [**User Story 3\_1- Explore Movie Runtimes**](https://bu-team-a215u289.atlassian.net/browse/TEAM3-1)Created: 03/Oct/24 Updated: 11/Oct/24 | |
| --- | --- |
| **Status:** | Icebox |
| **Project:** | [CS673 Team 3](https://bu-team-a215u289.atlassian.net/secure/BrowseProject.jspa?id=10001) |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| **Type:** | Feature | **Priority:** | Medium |
| --- | --- | --- | --- |
| **Reporter:** | [Xiao Juan Li](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A5ccfe758-3370-4d4d-b07c-7a1c612872a1) | **Assignee:** | [Xiao Juan Li](https://bu-team-a215u289.atlassian.net/secure/ViewProfile.jspa?accountId=712020%3A5ccfe758-3370-4d4d-b07c-7a1c612872a1) |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Σ Remaining Estimate:** | Not Specified | **Remaining Estimate:** | Not Specified |
| **Σ Time Spent:** | Not Specified | **Time Spent:** | Not Specified |
| **Σ Original Estimate:** | Not Specified | **Original estimate:** | Not Specified |

| **Sub-tasks:** | | **Key** | **Summary** | **Type** | **Status** | **Assignee** | | --- | --- | --- | --- | --- | | [TEAM3-15](https://bu-team-a215u289.atlassian.net/browse/TEAM3-15) | [Extract and clean movie runtime data](https://bu-team-a215u289.atlassian.net/browse/TEAM3-15) | Subtask | To Do | Xuansheng Xia | | [TEAM3-16](https://bu-team-a215u289.atlassian.net/browse/TEAM3-16) | [Analyze runtime distribution](https://bu-team-a215u289.atlassian.net/browse/TEAM3-16) | Subtask | To Do | Xuansheng Xia | | [TEAM3-17](https://bu-team-a215u289.atlassian.net/browse/TEAM3-17) | [Create a histogram visualization](https://bu-team-a215u289.atlassian.net/browse/TEAM3-17) | Subtask | To Do | Xuansheng Xia | | [TEAM3-18](https://bu-team-a215u289.atlassian.net/browse/TEAM3-18) | [Test the implementation](https://bu-team-a215u289.atlassian.net/browse/TEAM3-18) | Subtask | To Do | Xuansheng Xia | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank:** | 0|i0000b: |
| **Story point estimate:** | 5 |

| **Description** |  |
| --- | --- |

| ***As*** *a* user, ***I want to*** explore the distribution of movie runtimes ***so that*** I can study trends in movie length across the industry.   * **Acceptance Test 1:**   **Given** the menu “Movie Runtimes” is available.  **When** I click on this menu.  **Then** I should see a histogram where the x-axis displays specific runtime ranges (e.g., 0-60 minutes, 61-120 minutes) and the y-axis shows the number of movies in each runtime range.   * **Acceptance Test 2:**   **Given** the histogram of movie runtimes is displayed.  **When** I hover over a specific runtime range (e.g., 61-120 minutes).  **Then** I should see the exact number of movies in that range as a tooltip or label. |
| --- |

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