

Sprint Execution and Progress Tracking

SEG4105 Group Project - G03

Sprint Goal

This sprint mainly focuses on the addition of more movie details and completion of critical risk management tasks.

Sprint Tasks and Assignments

Below is a table of user stories and tasks scheduled for completion during this sprint.

Task/User Story	Status	Assignee
SCRUM-45: As a user, I want to be informed when website fails to retrieve data	IN PROGRESS	
SCRUM-46: As a user, I want to be able to ask the website to retry at retrieving data after the website fails to retrieve data.	IN PROGRESS	
SCRUM-12: As a user, I want to see the name of the director of the selected movie so that I know who directed the film.	DONE	
SCRUM-13: As a user, I want to see the release date of the selected movie so that I know when it came out.	DONE	
SCRUM-16: As a user, I want to see official images of the selected movies, so that I can get a better picture of it.	DONE	
SCRUM-40: Implement director name extraction from data received from API.	DONE	MZ
SCRUM-41: Implement release date extraction from data received from API	DONE	MZ
SCRUM-43: Implement official image extraction from data received from API	DONE	AM
SCRUM-48: Implement error catching for API requests	DONE	AM
SCRUM-49: Implement error message display function	IN PROGRESS	MZ
SCRUM-50: Implement "retry" button for failed API requests	IN PROGRESS	AM

Task Progress Tracking

Tasks are tracked using Jira with statuses like "To Do," "In Progress," and "Done" to indicate each task's current state. This allows the team to monitor task progress in real-time.

Effort Estimates

Each story and task has been designated an amount of story points on [Jira](#). Each point is equal to one day of work. Story points are assigned at the task level, with the story points of user stories being the sum of story points of the tasks required for completion of the user story.

User Stories

- SCRUM-45: 5 story points
- SCRUM-46: 6 story points
- SCRUM-12: 1 story point
- SCRUM-13: 1 story point
- SCRUM-16: 2 story points

Tasks:

- SCRUM-40: 1 story point
- SCRUM-41: 1 story point
- SCRUM-43: 2 story points
- SCRUM-48: 3 story points
- SCRUM-49: 2 story points
- SCRUM-50: 3 story points

Burndown Chart



Stand-up Summaries

Sprint 3 Stand-up Meeting #1 (11/04/2024)

Current Task Status:

SCRUM-40: Implement director name extraction from data received from API.	TO DO
SCRUM-41: Implement release date extraction from data received from API	TO DO
SCRUM-43: Implement official image extraction from data received from API	TO DO
SCRUM-48: Implement error catching for API requests	TO DO
SCRUM-49: Implement error message display function	TO DO
SCRUM-50: Implement "retry" button for failed API requests	TO DO

Challenges Faced:

- Potential issue in error catching with SCRUM-48 and SCRUM-49 as developers are unsure on how to simulate an API failure to ensure it meets acceptance criteria

Plans Until Next Meeting:

- Begin to implement the extraction functions over the next 4 days, leaving the error catching tasks for the end of the sprint.

Sprint 3 Stand-up Meeting #2 (11/07/2024)

Current Task Status:

SCRUM-40: Implement director name extraction from data received from API.	IN PROGRESS
SCRUM-41: Implement release date extraction from data received from API	IN PROGRESS
SCRUM-43: Implement official image extraction from data received from API	IN PROGRESS
SCRUM-48: Implement error catching for API requests	TO DO
SCRUM-49: Implement error message display function	TO DO

SCRUM-50: Implement "retry" button for failed API requests	TO DO
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Challenges Faced:

- Unsure on how to display the images from SCRUM-43 on the website. May need to hold design meeting for stakeholder opinion.

Plans Until Next Meeting:

- Sprint will be complete by then. Complete implementation of extraction functions and error catching functions.
- If there is not enough time to hold design meeting, may push SCRUM-43 to next sprint.

Dependencies and Blockers

Dependencies:

- **API Integration Dependency:**
 - Affected Tasks: SCRUM-12, SCRUM-13, SCRUM-16, SCRUM-45, and SCRUM-46.
 - These tasks rely on the successful integration of the MoviesDatabase API. If the API is unavailable or encounters issues, data retrieval for displaying movie details and implementing error handling/retry features would be impacted. Preliminary testing of the API endpoints has been done to confirm functionality.
- **UI Design Dependency:**
 - Affected Tasks: SCRUM-45 and SCRUM-46
 - A clear and simple UI design is required to implement error messages and retry functionality effectively. Any discrepancies in the design expectations could lead to inconsistent or confusing UI elements.
- **Team Collaboration Dependency:**
 - Affected Tasks: SCRUM-45, SCRUM-46 and SCRUM-49
 - Effective collaboration is necessary for tasks that depend on each other. For example, Azan's work on the retry function (SCRUM-46) requires Muiz's progress on the API functions (SCRUM-19, SCRUM-21).

Blockers:

- **API Connectivity Issues:**
 - Impact: High
 - Likelihood: Medium

- Description: If the MoviesDatabase API faces connectivity issues, tasks relying on API responses (SCRUM-12, SCRUM-13) may be delayed, potentially impacting overall sprint progress.
- Support Strategy: Ensure API Endpoint functionality with prior testing and potentially implement smaller database that is not dependent on the API

- **Time Constraints for Sprint Completion:**
 - Impact: High
 - Likelihood: Medium
 - Description: With a one week sprint, time constraints may impact the completion of tasks, especially those with higher story points.
 - Support Strategy: The team has prioritized tasks to focus on high-impact user stories first. If time constraints become an issue, the focus will shift to completing essential features to meet the sprint goal.

- **Miscommunication in UI Design and Development**
 - Impact: Medium
 - Likelihood: Low
 - Description: Differences in understanding of the UI design may lead to inconsistencies in the implementation of front-end components, such as the error message display or retry functionality. This will affect SCRUM-40, SCRUM-41, and SCRUM-43.
 - Support Strategy: Design review meetings are scheduled to clarify expectations, ensuring each team member understands the intended design and functionality for a smooth implementation.

Acceptance Criteria Verification

Task	Acceptance Criteria Verification
SCRUM-40: Implement director name extraction from data received from API.	Check that the extracted director's name matches the API function response and is correctly stored
SCRUM-41: Implement release date extraction from data received from API	Check that the release date matches the API function response and is correctly stored.

SCRUM-43: Implement official image extraction from data received from API	Check that the images match the API function response and are correctly stored.
SCRUM-48: Implement error catching for API requests	Simulate an API error and verify that the system handles it appropriately by triggering the appropriate error messages.
SCRUM-49: Implement error message display function	Trigger an API error and verify that the error message appears as expected.
SCRUM-50: Implement "retry" button for failed API requests	Trigger an API error, verify that the retry button appears, and confirm that it successfully retries the request when clicked.

Sprint Review and Retrospective Preparation

As of writing, Muiz has completed all tasks related to adding more movie details displayed on the movie details page scheduled for this sprint. As for the tasks related to risk management, the prerequisite task, SCRUM-48, implementing error catching for API requests, has been completed by Azan. The tasks remaining for completion during this sprint include SCRUM-49 and SCRUM-50, which are for implementing error message display function and “retry” button for failed API requests, respectively.

There is no outstanding work that requires additional assistance or attention this sprint.

A lesson learned during this sprint is to be more vigilant with sprint tracking and planning on Jira. Due to late management of the sprint backlog, the burndown chart shows that user stories and tasks (in terms of story points) were added mid-sprint, rather than prior to sprint, creating a messy burndown chart. Additional pressure is placed on the Scrum Master to ensure the sprint backlog is properly filled and ready prior to each sprint.

Stakeholder Feedback and Approval

The sprint results will be reviewed towards the end of the sprint, on Friday, November 8th. This review will focus on the user stories and tasks of the sprint, and involve both Product Owner and stakeholders. For stakeholders, we will be presenting our results to Shabnam, acting on behalf of Professor Hamou-Lhadj.

The review process will involve a simple demonstration of our potentially shippable product of the sprint, and how it meets the acceptance criteria (definition of done) outlined by the sprint plan. The Product Owner and stakeholder will then express approval or disapproval over the results. Feedback gathered from Product Owner or stakeholder will be recorded for the next sprint.