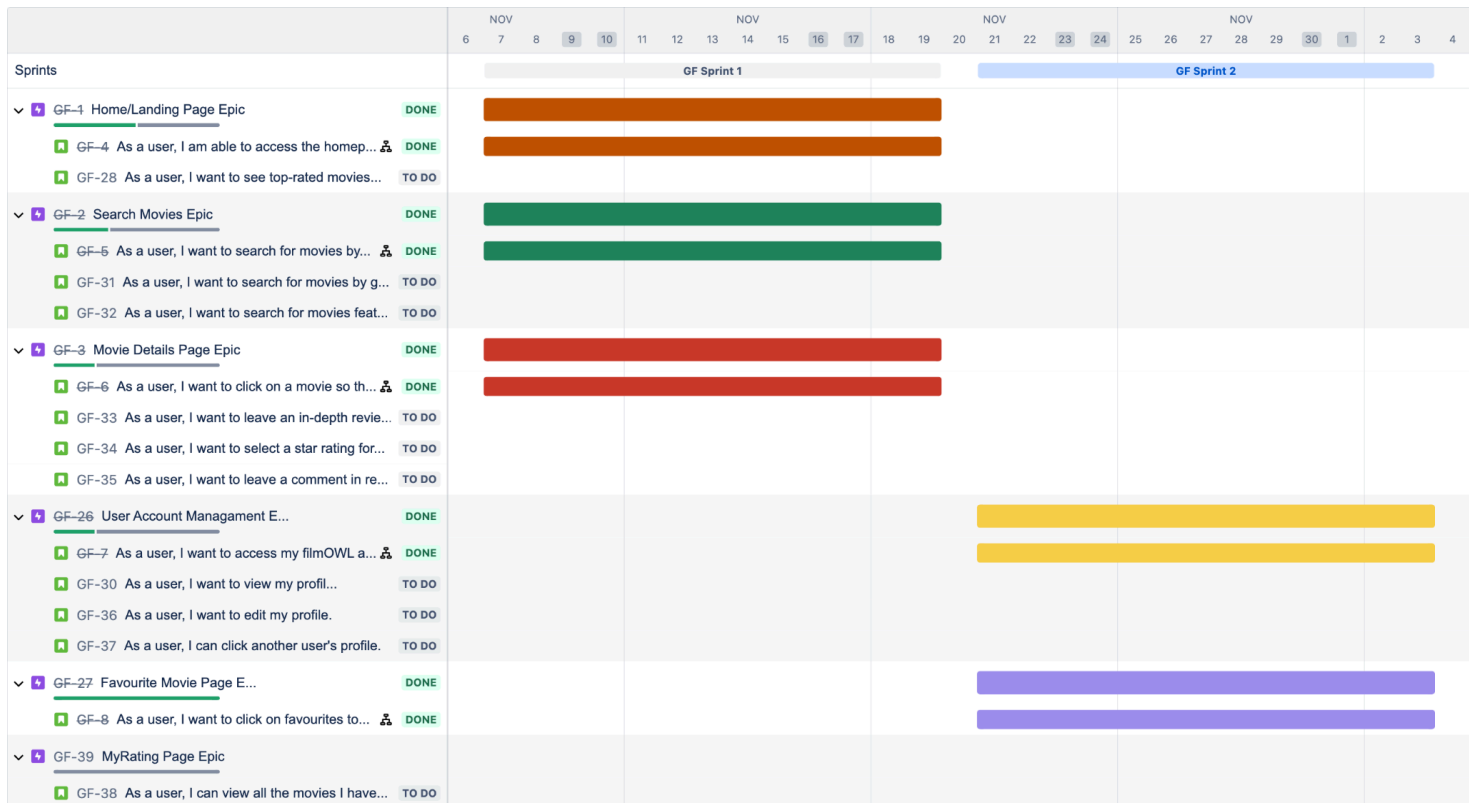


Schedule Analysis (schedule.pdf)

Group 17- Film Owl



Task Dependencies and Critical Path

Key dependencies identified during Sprint 2 included:

- Backend Integration for User Management:**
 - Tasks like account registration and secure authentication were prerequisites for login and logout functionalities.
 - Any delay in backend readiness would directly impact front-end integration.
- Favourites Page Dependencies:**
 - Retrieving user-specific favourite movies from the backend had to be functional before adding/removing movies on the frontend.
- Critical Path:** The critical path included backend development for account management, followed by frontend integration for favourites functionality. Any delay in the backend implementation would directly impact front-end progress, making it the most critical segment.

Keeping the Sprint on Schedule

- Proactive Communication:**
 - Holding standups helped resolve blockers related to backend integration and ensured alignment between frontend and backend teams.
- Parallel Tasking:**
 - While waiting for backend endpoints, the frontend team worked on non-dependent UI components, for example, the favourites page layout.

Challenges & Lessons Learned:

- **Challenges we faced:**

- Leaving user management to sprint 2 might have resulted in over-reliance on specific team members for backend tasks, and stunted the ability to add extra features due to required time for testing.

- **We learned that:**

- **Integration Testing:** Earlier integration testing between the front end and back end would have identified potential issues sooner.
- **Documentation:** Clearer documentation of task dependencies in the Gantt chart would have improved overall visibility.

Being behind schedule:

While the sprint was completed on time, potential delays could have been mitigated by reassigning tasks or temporarily focusing on lower-priority features.

By maintaining consistent velocity and addressing dependencies proactively, the team achieved the overall sprint goal while identifying areas for process improvement in task tracking and reporting accuracy for future projects.

Conclusion:

Both sprints successfully achieved their goals, demonstrating effective prioritization and consistent velocity. The insights gained about dependencies and task distribution will be instrumental in planning future sprints for even greater efficiency. Future sprints should distribute backend and frontend tasks across more team members to reduce dependency on critical contributors.