User Story Plan (Week 3 - Week 12)

Week 3 - Week 4

User Story 1: Movie Details & Ratings

As a registered user,

I want to view details of a selected movie,

so that I can learn more about its plot, cast, and reviews before watching.

Acceptance Criteria:

- After the user clicks on the movie, the movie details page is displayed.
- The details page shows the film's cover, introduction, director, actors and other information.
- Users can rate movies from 1 to 5 stars.
- The rating data is saved and updated to show the average rating.
- Users can view other users' comments (API).
- **The system should support retrieving movie details from external APIs, including poster, description, release date, language, genre, etc.**

Future Features:

- Support comment, like, reply and report functions.
- Display movie highlights or scenes on the page to help users filter movies.
- After users rate, they can view comments from people who have given the same score.
- The platform will provide an interactive, community-driven experience similar to IMDb or Letterboxd, allowing users to explore movies and share their thoughts.
- In the future, discussion forums will be supported, enabling users to initiate and participate in topic-based conversations around specific movies or themes.

Week 5 - Week 6

User Story 2: Extended Login Functions & Movie Search

As a movie enthusiast,

I want to search for movies by title or keywords,

so that I can easily find movies I'm interested in watching.

Acceptance Criteria:

- Users can enter the movie name or keywords in the search box.
- The search results show a list of matching movies in real time.
- Each search result should contain the film cover, title and rating.

- If there is no matching movie, the message 'No movie Found'.
- Personalized search (country, year, movie category).
- Users can use email and password to register an account.
- Password recommendation (must contain capital letters, symbols? At least eight letters).
- Forgot password function.
- User profile page, where users can modify personal account information.
- Log out function.
- **Support fuzzy search and keyword matching algorithms to enhance fault tolerance and user experience.**
- **Search should display combined results from both external APIs and user-generated content.**

Future Features:
- Third-party login method.
- Users can search for actors or directors to get movies related to them.

Week 7 - Week 8

User Story 3: User Login

As a user,

I want to create an account and log in securely,

so that I can access personalized movie recommendations and save my preferences.

Acceptance Criteria:
- Users can log in and log out of the system.
- After logging in, users can access personalized recommendations.
- When users enter incorrect information, an error message is displayed.
- **The system should implement secure authentication mechanisms (e.g., encrypted password storage, JWT verification, etc.).**
- **Support email verification upon registration to enhance account security.**

Week 9 - Week 10

User Story 4: Movie Collection & Watchlist

As a movie lover,

I want to save movies to my favourites or watchlist,

so that I can easily find and watch them later.

Acceptance Criteria:
- Users can add movies to their favourites by clicking the 'Favourites' button.
- Users can click 'Add to Watch List' to watch later.

- The movie will appear in the user's favourites or watchlist.
- Users can remove movies from their favourites.
- Users can name their own watchlist.
- **The system should support multi-list functionality, allowing users to create multiple custom watchlists (e.g., 'To Watch', 'Top of the Year', etc.).**

Future Features:
- Users can make their watchlist public and share it with other platform users.
- Users can add a cover image to their watchlist.
- **Favourites and rating history can be used as training data for personalized AI recommendations.**

Week 11 - Week 12

User Story 5: AI Recommendation System

As a frequent user,

I want to receive personalized movie recommendations,

so that I can discover movies that match my preferences and viewing history.

Acceptance Criteria:
- The system generates recommendations based on the user's viewing history, ratings and favourites.
- The list of recommended movies is dynamically updated to show the movies that best fit the user's interests.
- Users can optimize recommendations with feedback such as 'Not Interested'.
- The AI recommendation system can gradually learn user preferences and improve the recommendation effect.
- **Recommendation algorithms should combine collaborative filtering and content-based approaches to ensure diversity.**

Future Features:
- AI assistant to provide movie introductions and answer common questions (e.g., how to find watch history, change username, etc.).
- AI can generate an annual summary report (e.g., 'You watched xxx movies this year, prefer sci-fi, and your favourite movie is xxx watched xxx times.').
- **The system should support regular training evaluations to continuously improve the recommendation accuracy.**