**[Amendment] 4.25**

**Class diagram**

- Add ArrayList<Integer> userGenreScore parameter to calculate() method in OverallCal Class.

: To get a genre score from user class

- Add ArrayList<Integer> to return of askPreferenceWindow() method in UI Class

: To return a genre score to use calculate method

- Add setMovieList() method to User Class

: To set movie list otherwise we cannot access movie list.

- Change type of genreId int to ArrayList<Integer>

: Movie can have several genres.

- Change return type of getGenreId() method in Movie Class int to ArrayList<Integer>

: Movie can have several genres.

- Change return type of calculate() and matching() method in OverallCal Class boolean to ArrayList<Integer>

: To save MovieList variable’s data in User class.

- Remove Director ID and getDirectorId() method in Movie Class

: Director information is unnecessary for recommendation.

- Change parameter of provideMovieInfo() method of UI class void to ArrayList<Integer> useMovieList

: We need information to display

- Change all parameter type of matching() and calculate() method of OverallCal class List<Integer> to ArrayList<Integer>

: We do not use class inherited List class except ArrayList class.

- Change return type of getGenreScore() method in MovieGenreScore class List<Integer> to ArrayList<Integer>

: We do not use class inherited List class except ArrayList class.

**[Amendment] 4.12**

**Class diagram**

[COMMON] Add get method for each class

- User class’s method has changed.

- Rename genreScore -> userGenreScore

- Remove matching -> replace OverallCal class

- Added OverallCal class.

- matching method : moved from user class

- calculate method : call matching method

**Requirements Document**

- Removed recommendationInfo(), loadMovieInfo()

- Edited provideMovieInfo()

**[Amendment] 4.7**

**Class diagram**

[COMMON] Add return type, factor entry for each method

- Add MovieScoreMatrix class

- GenreScore -> RomanceScore, actionScore: Change for ease of implementation

- The MoiveScoreMatrix class has changed its relationship with Movie into an association:

- Delete genre class: It is unnecessary because it can be included as a property value in the movie class.

- Use movie class -> movieScoreMatrix class to separate points for easy calculation.

**Requirement documentation**

uid : Spacing removed

User class :

- Change the return value of the askPerference method to boolean for ease of implementation

- Change the return value of the probideMovieInfo method to boolean for ease of implementation