BZ 214 Visual Programming Project Report

Group No: 35   **30/06/2023**

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Video Link

https://www.youtube.com/watch?v=wtOprGJemXE

Abstract

Movidle is a movie guessing game developed using JavaFX that challenges players to guess the correct movie title within five attempts. The game provides feedback after each guess in the form of colored tiles, revealing specific information about the movie such as year, genre, origin, director, and star. The objective is to correctly guess the movie title by using the feedback provided.

Software Design

This project is a project created by a program that picks a random movie from a file containing 250 movies and the user wins the game by finding the right movie in 5 guesses depending on whether the features of the movie that the user guesses of this movie match the features of the randomly picked movie.

We developed the project in Intellij IDEA environment.

We took advantage of some JavaFX tutorial sites and Stack Overflow when we ran into any issues

When the project runs, we first see a Text Field and Button. When the user enters his guess in the text field, suggestions appear. He selects the movie he wants to guess from the movies in the suggestion and clicks the button. The program compares the features of the predicted movie with the randomly selected movie and presents the features that match correctly to the user with the green box and the features that are incorrectly matched with the red box. Thanks to these findings, the user gets closer to the randomly selected movie with each guess. If up to 5 guesses get the movie right, "Congratulations!" The written ShowFinishDialog is displayed and the program selects a new random movie. If all 5 guesses are wrong, "Hey loser, try again!" The written ShowFinishDialog is displayed and the user restarts the game and tries to find the same movie again. ShowErrorDialog is shown if user enters invalid input.

Conclusion

We thought of adding many features in addition to the project, but we gave up when we encountered some errors. For example, we wanted the poster of the movie to be shown in addition to showing the features of the predicted movie on HBoxes, but we did not do it because the dimensions did not match. In addition, we had a problem in AutoCompleteTextField where movies containing two words or more in the name appear on the Suggestion screen, while only showing movies by considering the first word. In our opinion, our project serves exactly the desired purpose and works in accordance with its purpose. This project has been a good experience for us to improve ourselves. Thanks to this project, we think that I have improved ourselves more in Java.