Dorset College Dublin

ASSIGNMENT COVER SHEET 2023/2024
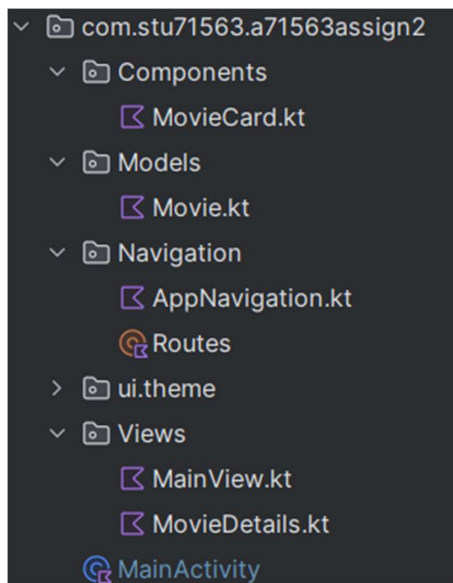
LECTURER NAME: Bernard Roche	

STUDENT NAME: Juan Manuel Treviranus	**STUDENT ID: 71563**

PROGRAMME: BSc in Computing Science	**STAGE/YEAR: 2**

MODULE NAME: Mobile App 1

ASSIGNMENT NO. & TITLE: Continuous Assessment 2

GROUP (Names & Student IDs):

- All assignments must be submitted through Moodle by the agreed submission date. - Only submit a signed hardcopy to your lecturer if requested and you must arrange to hand it directly to the Lecturer and must include this cover sheet. - No submissions will be accepted at Reception. - Late assignments will incur a penalty unless a learner has documented personal mitigating circumstances or if they have been granted an extension. All such documentation must be submitted at least 7 days prior to the submission date. For late submission the assessment grade will be reduced by 10% for each day that the assessment is late. After day five, the assignment will not be accepted.	Date Received: (Lecturer use only)

MODE OF SUBMISSION: SOFTCOPY   _____   HARDCOPY _____

COMPONENTS OF SUBMISSION:

(e.g. no and type of pieces submitted, no of pages in a report, disk included?)

DECLARATION: I declare that:

- *By uploading this work to Moodle I automatically declare that this work is entirely my own and that I have acknowledged all materials and sources used in its preparation;*
- *I have not copied in part or whole or otherwise plagiarised the work of anyone else and have not knowingly allowed others to plagiarise my work in this way;*
- *I further declare that no artificial intelligence has been used in the creation of this assignment*
- *I understand that plagiarism and use of AI is a serious offence and that I am bound by Dorset College policy on Academic Integrity. I understand that I may be penalised if I have violated the policy in any way;*
- *This assignment has not been submitted for any other course or module at Dorset College or any other institution, without authorisation by the relevant lecturer(s);*
- *I have read and abided by all of the requirements set down for this assignment.*

SIGNATURE* …………………Juan Manuel Treviranus………………. DATE ……………07/04/2024…………

(* if this is a group assignment, each member of the group must sign).
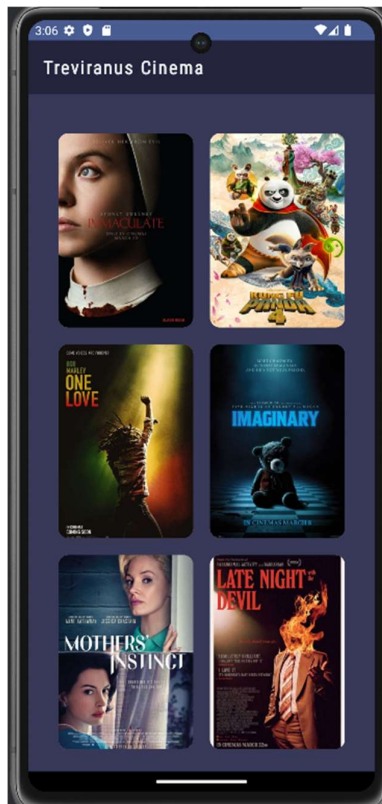
Report

Continuous Assessment 2

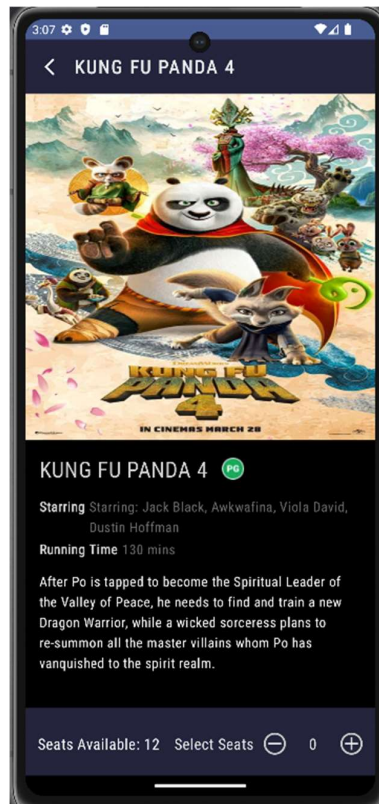This Assignment was divided into 4 main folders as components or views:

1. Components: A class called MovieCard.kt was created which is the card that will be reuse in the main view
2. Models: A class called Movie.kt was created to define the object (Movie) with the properties requested, and in the same class I created a list of 6 movies which I took from vue.com
3. Navigation: This is where the navigation is configured
   a. Routes: This file defines a Routes object that contains constants for the route names used in the NavHost in AppNavigation.kt.
   b. AppNavigation.kt: This file defines the AppNavigation composable function. This function sets up a NavHost with two routes: MainView and MovieDetails. The rememberNavController function is used to remember a NavController which can be used to navigate between different screens.
4. Views:
   a. MainView.kt: In this class the MovieCard.kt are shown in a lazy column, 2 movies per column. Once a movie is clicked it redirects to the MovieDetails.kt sending as a parameter the name of the movie so it can be searched and displayed.
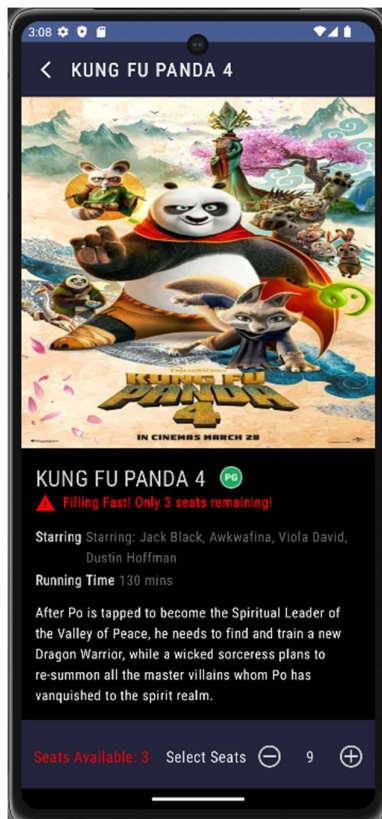   b. MovieDetails: This class shows the details of the movie and the logic requested for the seats.

Main Screen

Movie Screen

Filling Fast

Sold Out