About:

Dice games is an interactive app consisting of 3 dice games, built in Kotlin using Android Studio. This will let the user pick one of 3 games to play, and then it will let the user email results to themselves if they would like to, at the end. This also lets the user backtrack to the main menu, but the user would have to use Android device's home buttons to exit the app. In each of the three games, each play is one round where the player wins or loses. At the end of each play of the game, one pop up displays the result, and another pop up will ask the user to play again or return to the main menu.

Main Menu:

This is the starting page of the application, in which the user can select one of 3 buttons to play either "Lucky Number", "Double or Nothing" or "Yahtzee". Whichever button the user chooses will be the game that will be played, once navigated to the relevant game. This is also where the user can click the "back" button built in on their Android device to exit the app.

Lucky Number:

This game is a game where the user will roll one die twice. The result of the first roll will be the player's "Lucky Number". The result of the second roll will determine if the user wins or loses the game. If the second roll matches the first roll, the user rolls the "Lucky Number" and wins the game. However, if the user fails to get the same result as their first roll, the user loses because the "Lucky Number" was not rolled.

Double or Nothing:

This game is where the user rolls 2 dice once and guesses if it rolls double or non double. At the beginning, the user either selects "Double" or "Nothing" to guess if dice roll a double or not (default is set to "Nothing"). If the user guesses "Double" and dice rolls a double, the user wins;

but if the user rolls "Double" and doesn't roll a double, the user loses. If the user guesses "Nothing" and doesn't roll a double, the user wins; but if the user guesses "Nothing" but rolls a double, the user loses.

Yahtzee:

This game is where the user rolls 5 dice once and tries to get the same result for all 5 dice. The logic is fairly simple, but the odds of winning this game are very slim. If user rolls same result for all 5 dice, it is a win, else it is a loss.

Results:

At the end of each game, the user is directed to this once the "Exit" button is clicked for the second pop up following the game result. Here, results of each game are displayed in which it shows today's date, game played most recently, and result for most recent game. Here the user can click a button to send results by email or return to the main menu. Note that if "Cancel" is selected for a game, its results will not be saved or recorded, same goes for the "Results" page.