| **Name of Team: Flounders** | | | | |
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| **Project Title:**  Random Number Memorization (App name can be called - Sequence) | | | | |
| **Project Description:**    Our app will display random numbers and requires the user to type them in, in the same order they were displayed in. The app will start by displaying 1 number which the user then has to input. After correctly inputting the number a second number will be added to the sequence. The user then must correctly input both numbers in the right order (order is randomly generated by the program). This continues until the user inputs the numbers in the wrong order in which the game will end. They will be taken back to the main menu and can choose to play again | | | | |

Functional requirements

* Display Main Menu to start or quit the application when the app is opened
* Game displays the sequence of numbers at the top of the screen, starting with only one number displayed
* User can click enter once done looking at the sequence of numbers which makes the app hide the sequence of numbers
* Display input box for user to input the numbers after sequence is hidden
* Display submit button underneath input box for user to click after numbers are inputted
* Game adds a new number to the sequence after each round the user passes
* Scoreboard is displayed on the side of the screen throughout the game of how many rounds the user has passed
* Game displays correct sequence after the user has inputted the wrong one and ends the game
* At the end of the game the total number of rounds passed is displayed in the middle of the screen
* User is taken back to main menu after the game is finished
* App will be compatible with all android devices and should function well whether in portrait or landscape mode