Report on the Development of DanCER Coding Tool

Overview
The DanCER Coding Tool is an iOS application designed to assist in the analysis of dancers' movements during practice sessions. The app facilitates the recording and categorization of different types of dance movements, providing valuable data for further analysis.

Link: https://drive.google.com/file/d/1J0CdMo6n7i5vW1h9JwGsXdCxHCLuHoNi/view?usp=sharing

Development Process
Throughout the development phase, I focused on creating a user-friendly interface that allows for easy interaction and efficient data collection. The current version of the app includes multiple features such as movement categorization buttons and session timers, which are essential for real-time data recording.

Current Features
- Categorization Buttons: Users can classify movements according to predefined categories.
- Session Timer: Tracks the duration of each dance session.
- Data Upload: Facilitates the uploading of session data for further analysis.

Challenges Encountered
One of the primary challenges was ensuring the app's compatibility with various iOS devices, requiring meticulous UI adjustments and testing.

Future Improvements
1. Enhanced Button Flow: Modify the interface so that pressing the 'rest' button will automatically set other buttons to 'no movement'. This will reduce the need for manual input during periods of inactivity.
2. Data Visualization: Implement features that allow users to visualize recorded data directly within the app, providing immediate feedback on the dancer's performance.
3. Cross-Platform Compatibility: Extend the app's availability to other operating systems like Android to reach a wider user base.
4. Customization Options: Enable users to customize categories and settings according to their specific needs, enhancing the app's flexibility and usability.

Conclusion
The DanCER Coding Tool has significantly streamlined the process of recording and analyzing dance practice sessions. With continued enhancements, it can evolve into an even more powerful tool for dancers and choreographers alike.