

# ***motion maestro***

ULTIMATE GAME EXPERIENCE



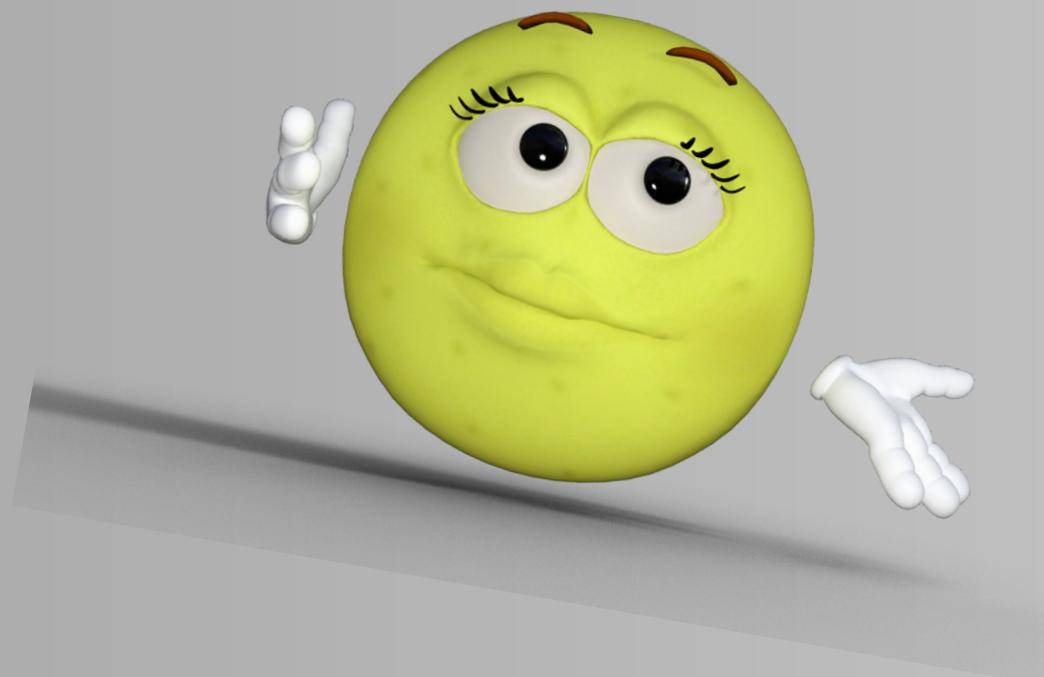
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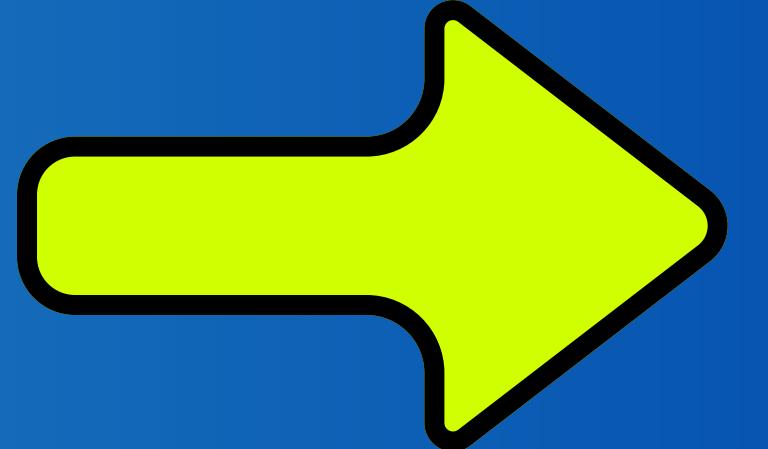


## System Requirements :-

- **Gesture Input Device:**  
**Motion-sensing cameras like a Web Camera.**
- **Gesture Recognition Software:**  
**Implements gesture recognition libraries or software to interpret data from the gesture input device.**



*Understanding Controls*



**pip install --user virtualenv:** Used it to create and manage virtual environments for the application.

**python -m virtualenv venv:** Creates a virtual environment to run your applications.

**venv\scripts\activate:** Used to activate a virtual environment.

**pip install -r requirements.txt:** Used to install Python dependencies listed in a requirements.txt file.

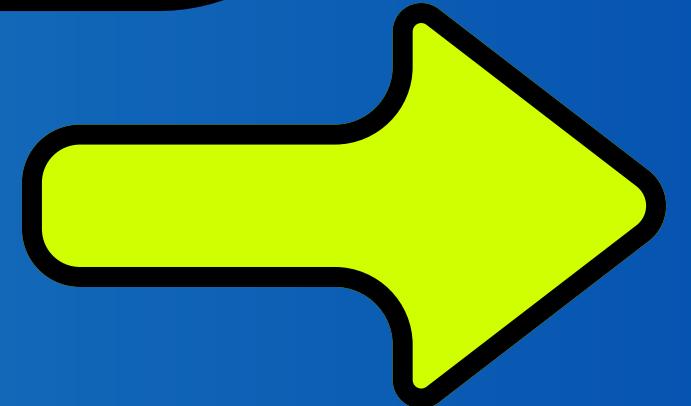
**Python manage.py makemigrations:** Used to create database migration files based on changes detected in the Django model(s).

**Python manage.py migrate:** Used to apply database migrations.

**Python manage.py makemigrations home:** This command will analyze the models in the "home" app, compare them to the current state of the database, and generate migration files if there are any changes.



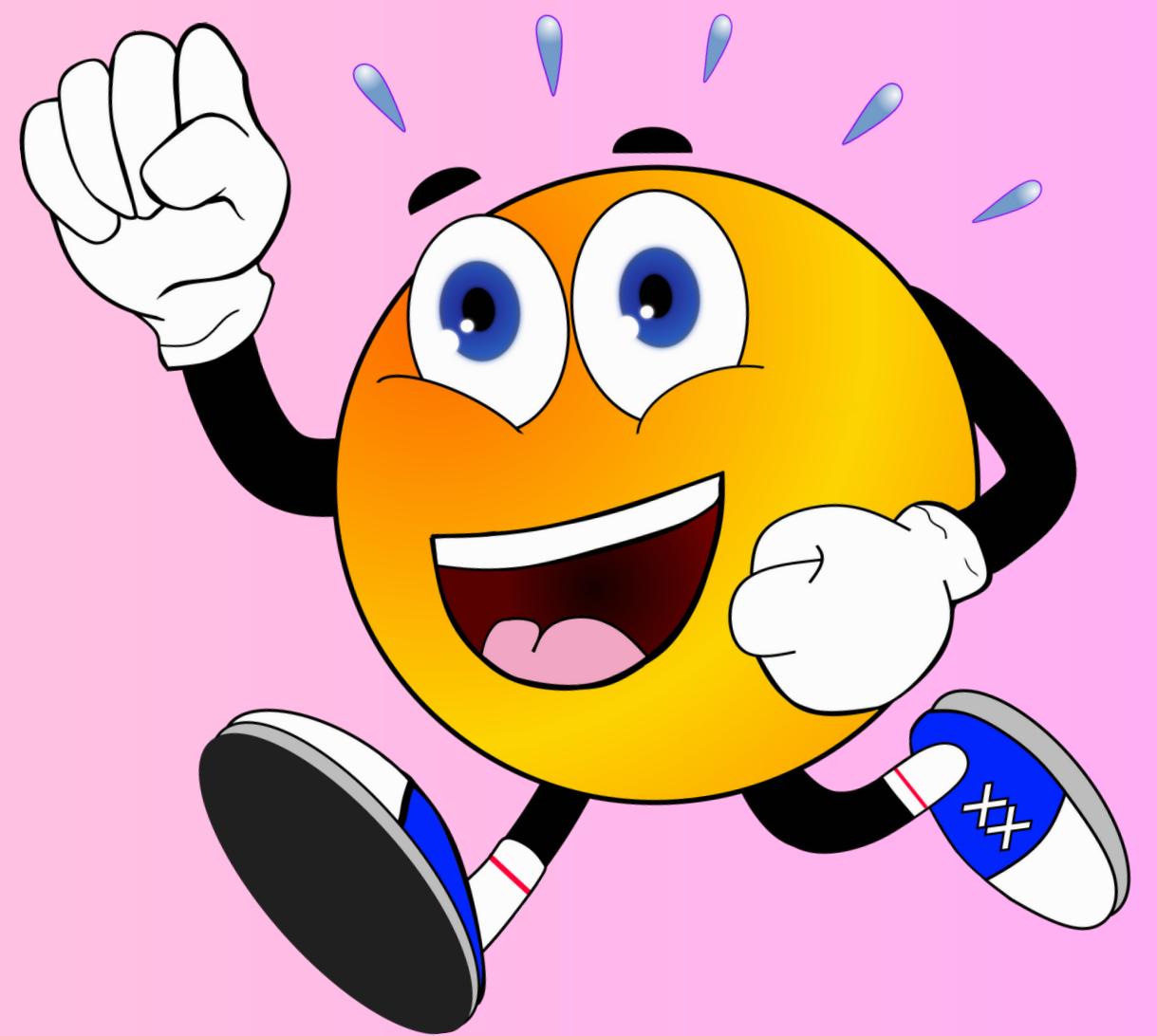
*Instructions to be followed*



- **Sign in to play various games**
- **Once you enter the Motion Maestro, select the game to be played.**
- **Use the various hand gestures respective to each game.**
- **Press letter Q to close the application.**

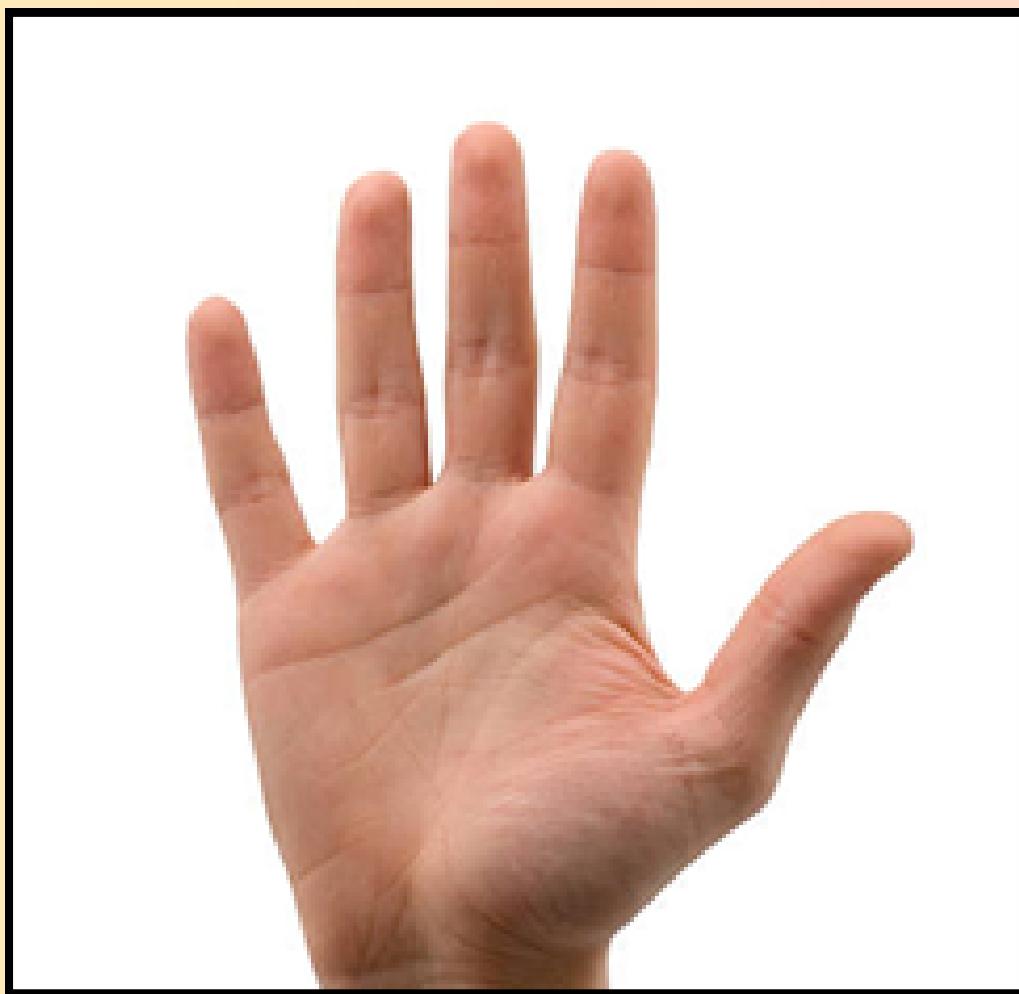
## **Games Provided :-**

- **Hill Climb Racing**
- **Tetris**
- **Moto Racing**
- **City Racing**
- **Subway Surfers**

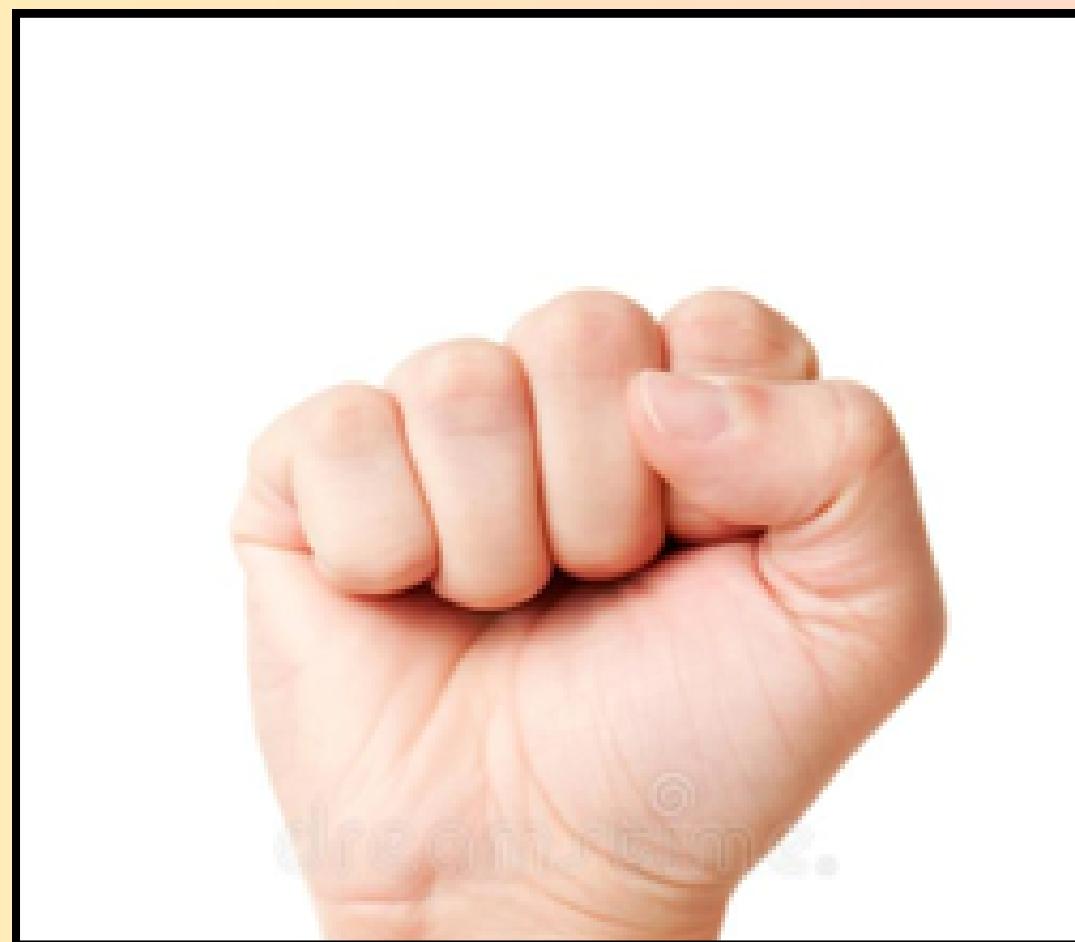


# HILL CLIMB RACING





**Lifting all fingers is associated  
with running action.**



**Closing all fingers is  
associated with brake action.**

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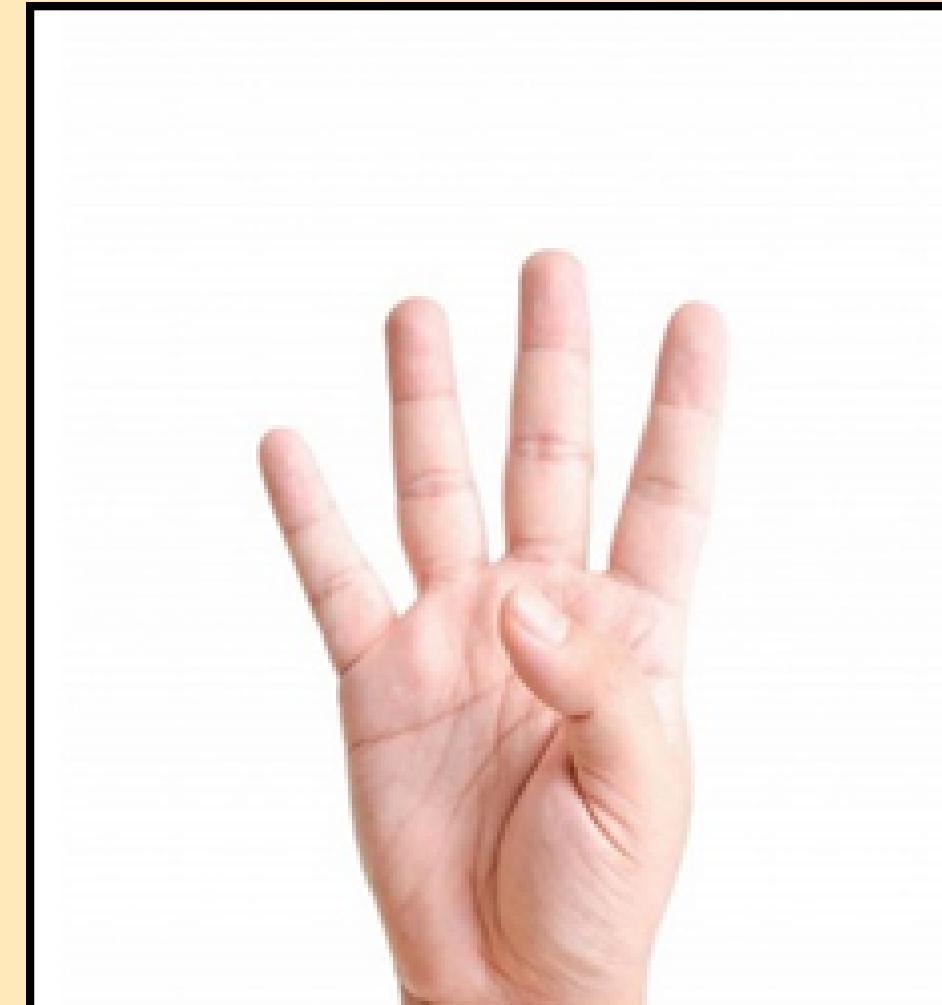
**Players can move the falling tetromino left to position it where they want it to land.**



**Players can move the falling tetromino right to position it where they want it to land.**



**Tetrominoes can be rotated to fit into tight spaces i.e., the shape can be changed.**

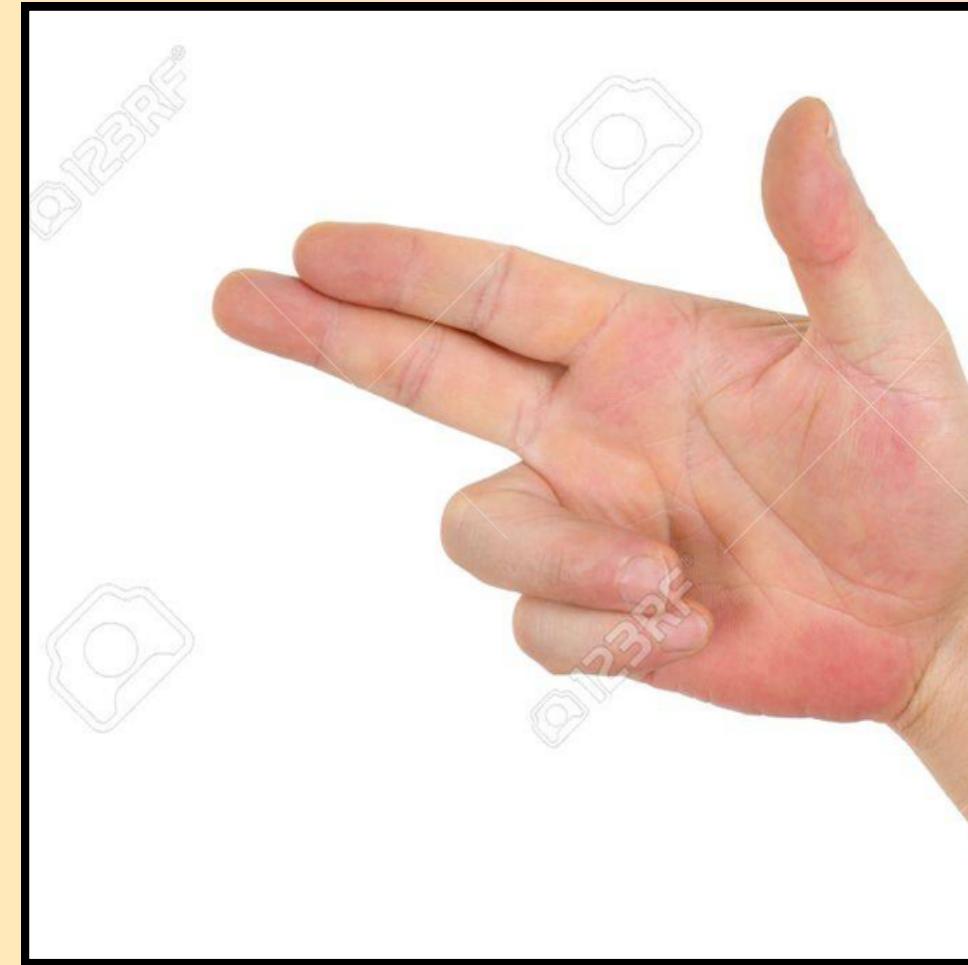


**Players can speed up the descent of a tetromino by using 4 fingers.**

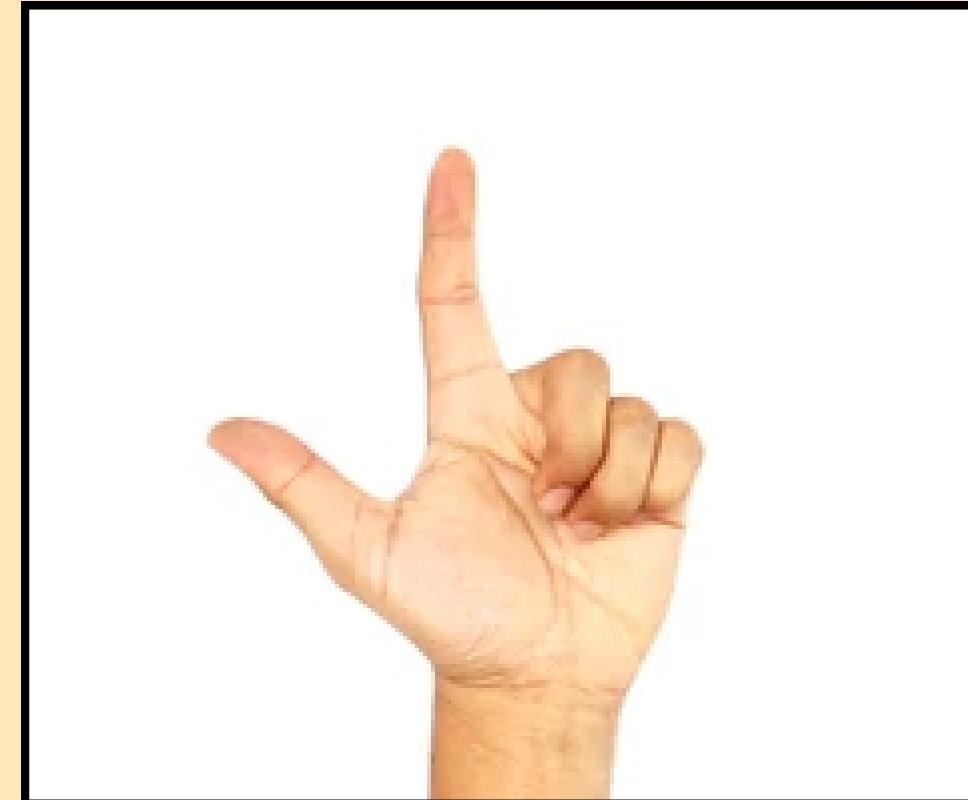
# SPEED MOTO BIKE RACING

START





**Players can move right to position the bike.**



**Players can go left using a thumb and index finger.**

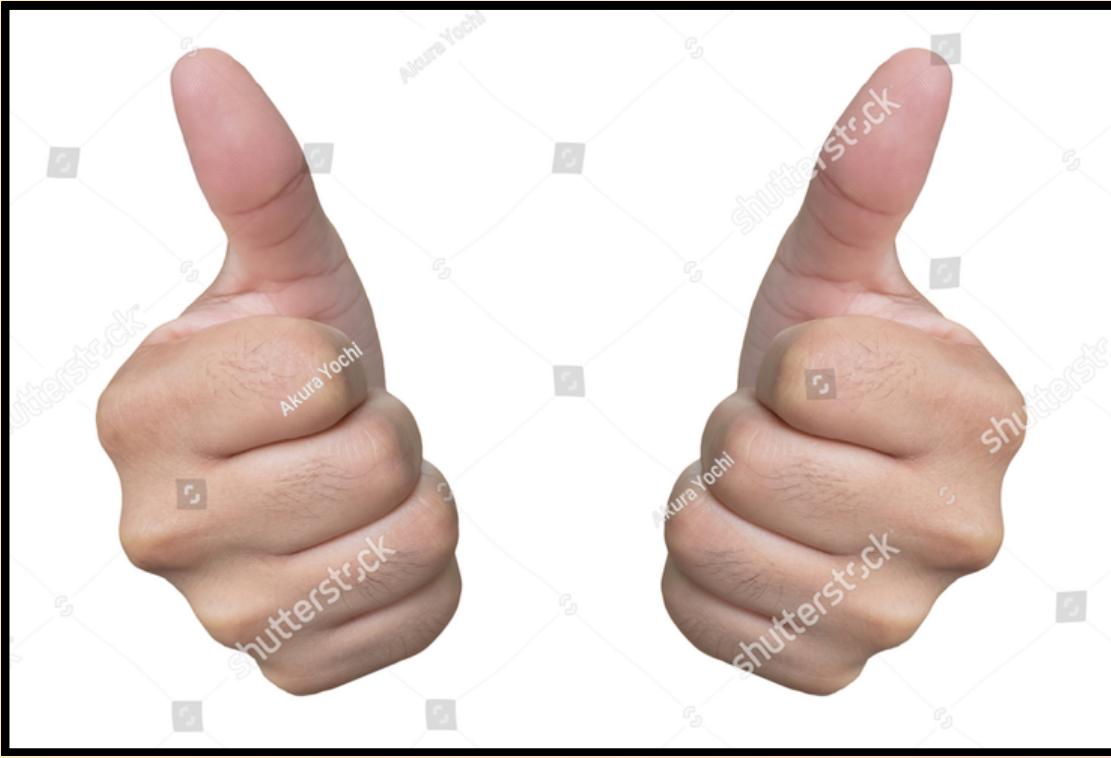


**A thumbs up is associated with  
braking action.**

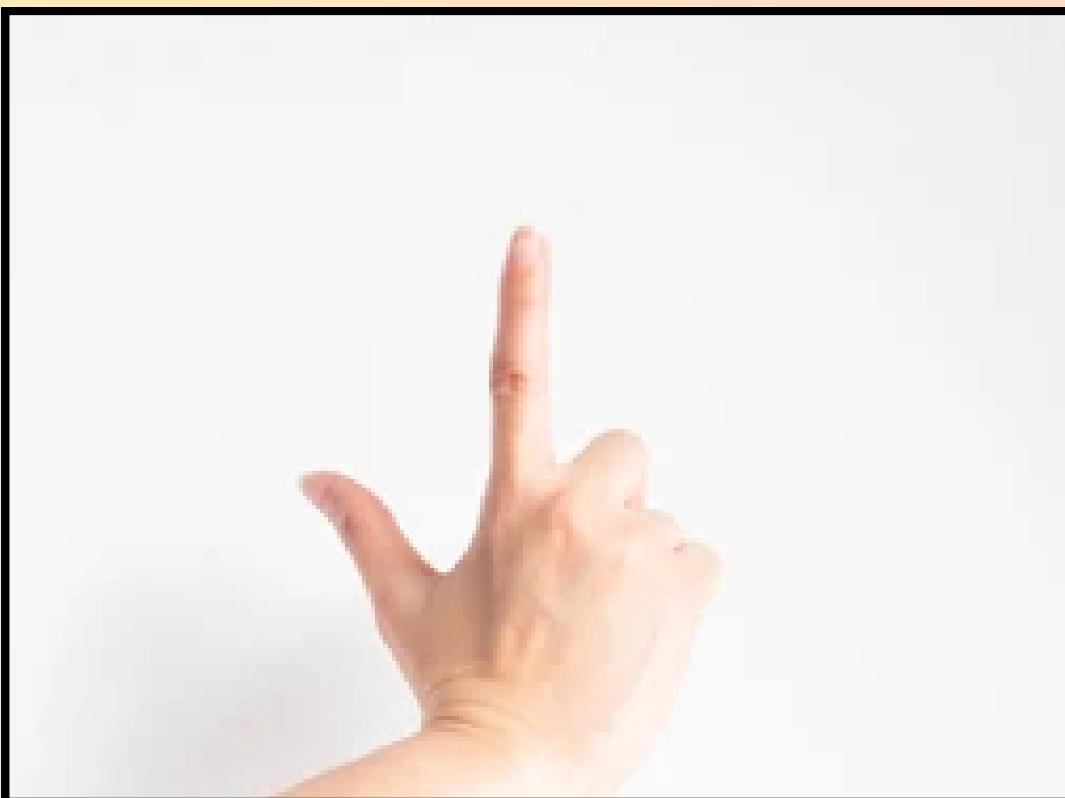
# CITY RACING

RACER

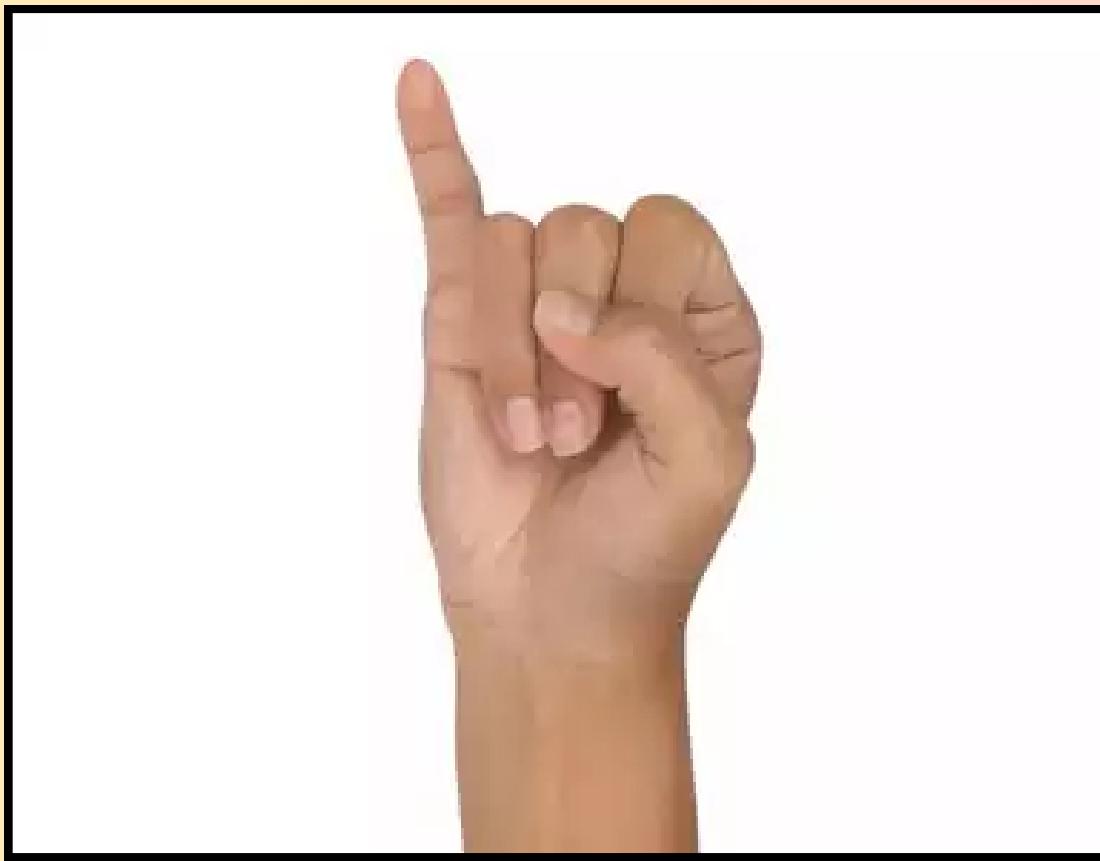




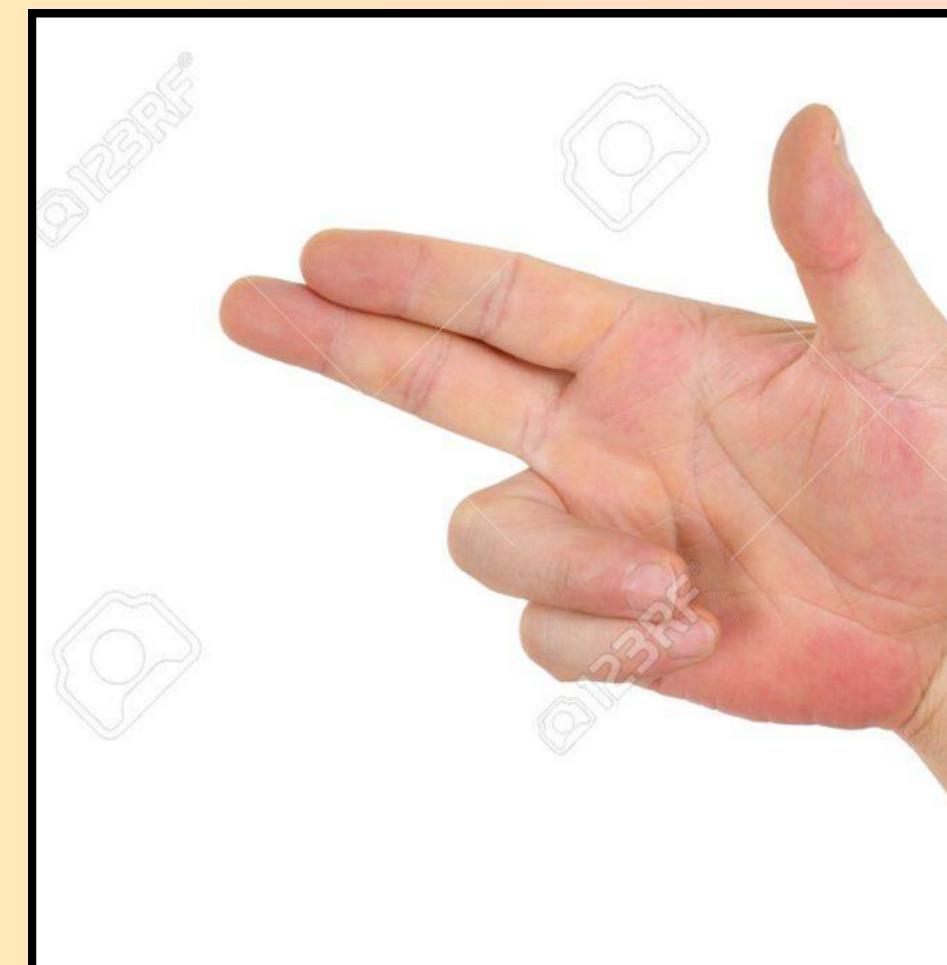
**Players can move their car to  
the right using this gesture**



**Players can move their cars to  
the left using this gesture.**



**This gesture is used to speed up the vehicle to extreme level.**



**This gesture is associated with braking action.**

Thank  
you!