Electronic Beyblade Trading Card Game
Create an electronic game of Beyblade for 2 players.

The game will hold 10 cards as follows:

#	Beyblade Name	Product Code	Type	Plus mode	System
1.	Abyss Devolos	F0647	Balance	-	SpeedStorm
2.	Ace Dragon	E7609	Attack	-	HyperSphere
3.	Anubion A2	E1057	Defense	-	Dual-Layer
4.	Balar B4	E4726	Attack	-	SlingShock
5.	Crystal Dranzer	F0217	Balance	-	Burst
6.	Cyclone Belfyre	F3965	Stamina	Attack	QuadDrive
7.	Dark-X Nepstrius	E4749	Defense	-	SlingShock
8.	Diomedes D2	E1062	Attack	-	Dual-Layer
9.	Doomscizor	E1033	Attack	-	SwitchStrike
10.	Vatryek Wing Accel	B9492	Attack	-	Burst

Type precedence –
Stamina with PlusMode > Balance > Attack > Defense

System precedence –
QuadDrive > SpeedStorm > Burst > HyperSphere > SwitchStrike > Dual-Layer > SlingShock

The game should be played as follows:

1. Player one and two enter their name
2. System shuffle and randomly assigned numbers 1-10 to the cards
3. Player one pick a card
4. System shuffle remaining cards and randomly assigned numbers 1-9 to the cards
5. Player two pick a card
6. Both Player show cards – players with higher type and system precedence wins the round a mark of 10 is given to the winner
7. This continue till five rounds and the game ended with a display of scores for both players.
8. They can play again if they wish so, otherwise they can choose to exit the game.

Your program **must** have the following:

I. Good Interface Design (i.e. Presentable manner and easy to understand)
II. Meaningful comments in the source codes
III. Its accurate!!
IV. Please use only what have been learn from the first week till repetition structure.

You are required to provide the following in your documentation (report):

1. Problem Analysis (Input, Output, Process and Constraints)
2. Algorithm (Pseudocode and Flow Chart)
3. Implementation (C++ Program)
4. Test cases (Screenshots for the test cases)

INSTRUCTIONS:

This is an individual assignment. Hence, please ensure that:

1) You did not copy your friends' codes and you do not let them copy your codes.
2) Grade F will be given if you are proven guilty.

Please submit your assignment (individually):

1) **Softcopy**: Upload into e-learning by 10/6/2022.
2) **VIVA:** You will demo your program over the weekend (after submission) – online.

DUE DATE: 10 June 2022 (after mid-sem)