**GAME PROJECT – CS\*1083**

My group has two people including:

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A game that our group want to design is **Card Shark game**.

+ One of 2 players, who is pressed the button first, is going to guess a number **[0,100]**, and the other player is going to guess the actual number is higher or lower. The actual number is then revealed, if the opponent is correct, they will play first.

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+ Reveal the first card

+ Ask the player to open the next card, or freeze (stay card), or change the base card, or guess the opponent’s next card. 🡪**(b)**

* If player chose “open the next card,” ask player the next card is higher or lower than the base card, the next card is shown.
  + If the answer is correct, the next card is revealed. Ask **(b)**.
  + If not, now this is the opponent turn.
* If player chose “change the base card”, change that card to the other card, then ask **(b)**.
* If player chose “freeze,” now this is the opponent turn.

+ When moving to opponent turn, ask **(b)**.

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+ Do it again after each round.

+ A player who opened 7 cards first, that player is a winner and get a reward as the **Table 1** below, loser also has been rewarded as the **Table 2**.

**TABLE 1 - REWARD FOR THE WINNER:**

|  |  |
| --- | --- |
| **Number of correct guesses** | **Reward** |
| **1** | **500 Vbucks** |
| **2** | **650 Vbucks** |
| **3** | **800 VBucks** |
| **4** | **950 Vbucks** |
| **5** | **1200 Vbucks** |
| **6** | **1500 VBucks** |
| **7** | **2000 VBucks** |

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**TABLE 2 - REWARD FOR THE LOSER:**

|  |  |
| --- | --- |
| **Number of correct guesses** | **Reward** |
| **1** | **100 Vbucks** |
| **2** | **150 Vbucks** |
| **3** | **200 VBucks** |
| **4** | **250 Vbucks** |
| **5** | **300 Vbucks** |
| **6** | **450 VBucks** |
| **7** | **500 VBucks** |