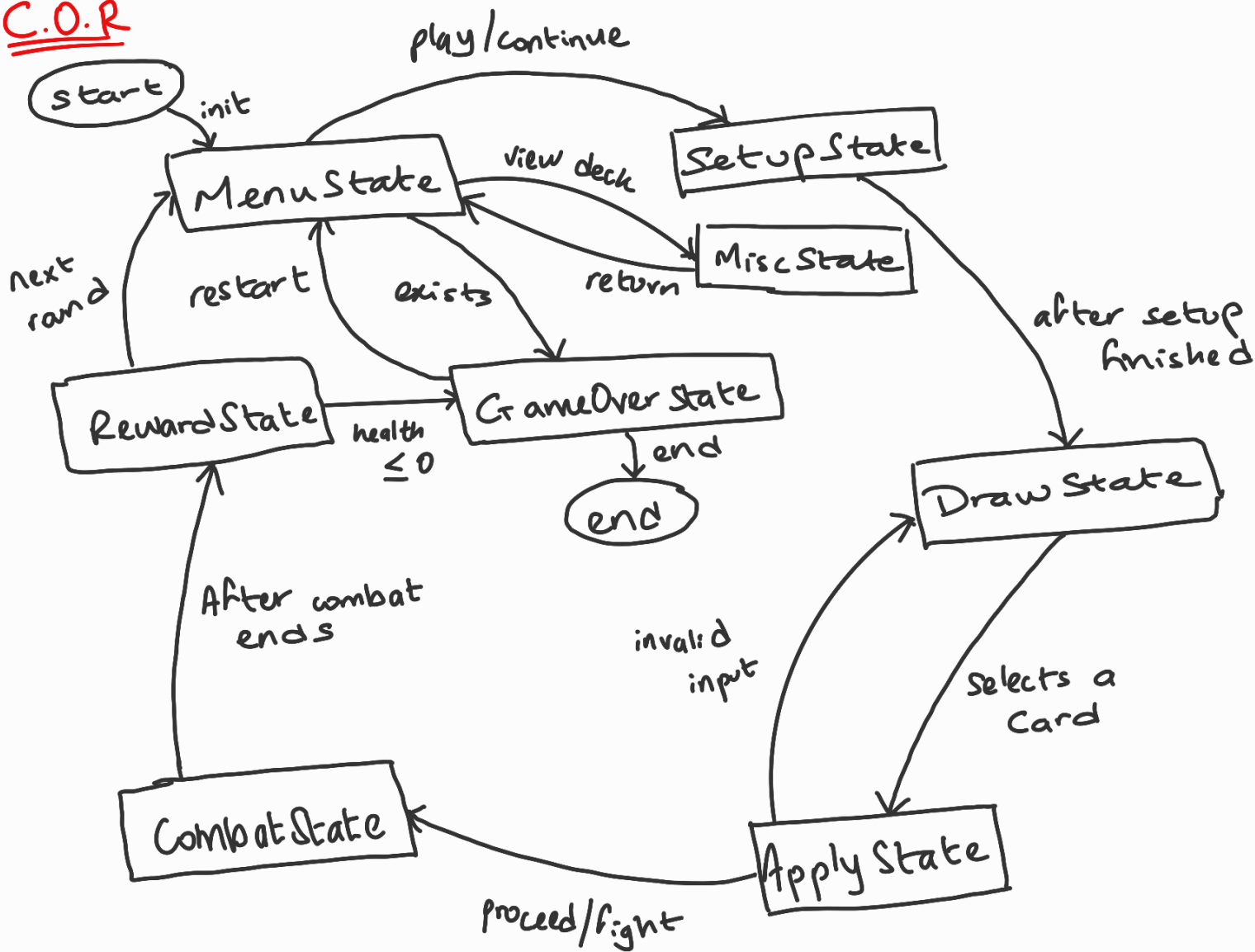


C.O.R



- Menu State :**
- This is the initial state of the game.
 - Displays a menu where user has to choose between different options.
 - The options are:
 1. Play :- proceeds to next state
 2. View Deck :- displays current deck
 3. Exit :- exit game

- Misc State :**
- In this state, user can view their current stats (health, attack, etc...) as well as their current deck.
 - Initially deck will be empty as they haven't been assigned one yet.
 - Player then returns to **Menu State**

- Setup State :**
- In this state, the monster is created.
 - If the deck is empty, one is created and assigned to the player.
 - Player is shown the assigned deck.
 - Proceeds to the **Draw State**

- Draw State :**
- Player draws a random card and adds it to his deck.
 - Monster stat is also displayed
 - Proceeds to **Apply State**

- Apply State :**
- In this state, player picks a card from his deck to apply.
 - Applies card to player stat and monster stat.
 - Proceeds to **Combat State**

- CombatState:**
- In this state player and monster fights
 - Player's attack damages monster's shield
 - If monster's shield is 0, damage is done to health.
 - If monster survives, its attack damages player's shield. If shield less than or equal to 0, damage is done to health.
 - Proceed to **RewardState**

- RewardState:**
- In this state, check for win conditions
 - Update monster and player stats based on round base attributes
 - e.g., each round monster's defence increases
 - Levelling up, etc...
 - If dead, proceed **GameOverState**
 - Else proceed **MenuState**

- GameOverState:**
- This is the endgame state.
 - Display points if any, etc.
 - If restart, reset everything and proceed to **MenuState**
 - If exited, exit application