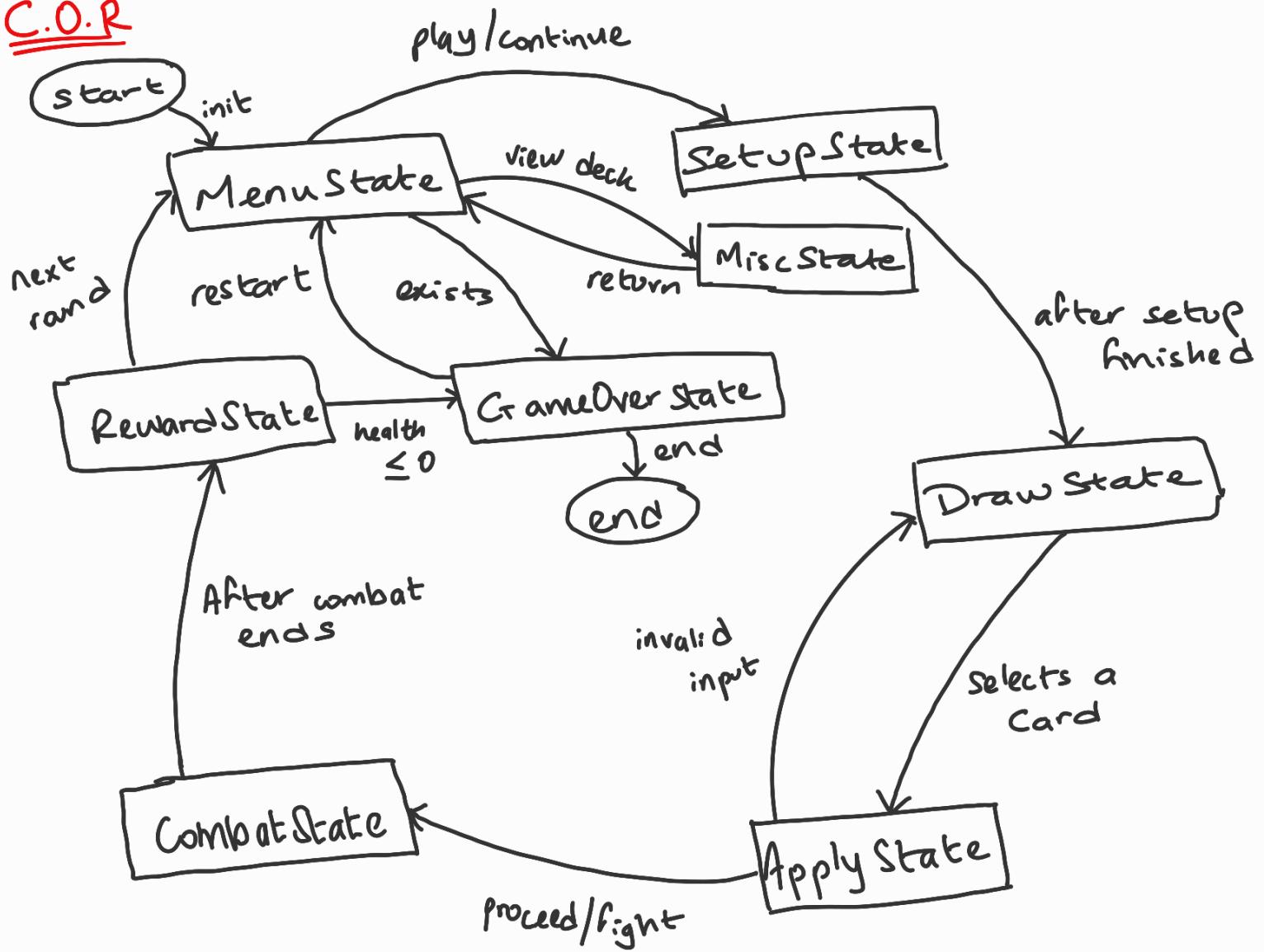


C.O.R



**MenuState** :- 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

**MiscState** :- 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 **MenuState**

**SetupState** :- 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 **DrawState**

**DrawState** :-

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

**ApplyState** :- In this state, player picks a card from his deck to apply.

- Applies card to player stat and monster stat.
- Proceeds to **CombatState**

- Combat State** :
- 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 **Reward State**

- Reward State** :
- 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 **Menu State**

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