

Pseudocode:

Module(s) to import:

Random to pick random word, to pick random starting\_player

make global variables:

players\_started\_list to keep track of who's already started

wheel\_list list of wheel options

Initialize\_game() takes no arguments, returns list of 3 player dictionaries

Create empty player list

For 1-3:

Create dictionary {player: #, temp bank: 0, perm bank: 0}

Append dictionary to player list

Returns player\_list

get\_word(wordbank\_file): takes a file of words, returns list of words

use with open...as to open a wordbank\_file:

read wordbank\_file into a word\_list

return word\_list

starting\_player(player list): takes player list, returns random player dictionary

already\_picked = True Boolean for while loop

while already\_picked == True:

starting\_player = random.choice(player\_list)

if starting\_player not in players\_started\_list:

already\_picked = False

else:

append starting\_player to players\_started\_list

break

return starting\_player

get\_word(word\_list) takes list of words, returns randomly chosen word not in chosen\_words\_list

chosen\_word\_index = random.randrange(0, len(word\_list))

chosen\_word = popped word\_list at chosen\_word\_index picks word/removes it from list

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return chosen_word
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hidden_word(correct_guessed_list, chosen_word):
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    hidden_word = [letter if letter in correct_guessed else '-' for letter in chosen_word]
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    return *hidden_word
```

*round1or2(chosen\_word, players\_list, starting\_player): takes word, player\_list, starting\_player, returns winner and has side effects on players\_list*

*initialize hidden word hyphen for letter in chosen\_word*

*initialize consonant\_list list of lowercase consonants*

*initialize vowel\_list list of lowercase vowels*

*initialize incorrect\_guessed\_list list of incorrect guesses*

*initialize correct\_guessed\_list list of correct guesses*

*swap player\_list order either using a temporary variable or python swap*

*word\_guessed = False Boolean for while loop*

*print(brief details about word. Player order)*

*while word\_guessed == False:*

*for each player:*

*turn\_ended = False*

*can\_pick\_vowel = False*

*while turn\_ended == False:*

*print(message with brief instructions)*

*prompt user to spin wheel*

*wheel\_option = random to get item from wheel\_list*

*if wheel\_option is bankrupt:*

*print(message)*

*update player dictionary to reflect money lost*

*turn\_ended = True*

*elif wheel\_option is lose turn:*

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        print(message)
        turn_ended = True
    else:
        print(message)
        already_picked = True Boolean for while loop
        while already_picked == True:
            guess = prompt for player guess
            if guess in correct_guessed or in incorrect_guessed:
                print(message)
                continue
            elif guess in vowel:
                if can_pick_vowel == False:
                    print(message)
                    continue
                else:
                    already_picked = False
                    deduct vowel cost
                    check guess
            elif guess in consonant:
                if incorrect:
                    already_picked = False
                    append incorrect_guessed
                    turn_ended = True
                if correct:
                    already_picked = False
                    append correct_guessed
                    update temp bank
                    print(hidden_word)
                    if '-' not in hidden_word:

```

winner = player

word\_guessed = True

update winner's perm bank to reflect temp bank value

zero all players' temp banks

return winner

*richest(player\_list): take player\_list and return player with highest perm bank*

richest = player\_list.copy()

total = 0

for each player:

    if richest[i]['perm\_bank'] > total:

        total = richest[i]['perm\_bank']

    else:

        richest.pop(i)

return richest *should be list of one player, the richest*

round3(richest, chosen\_word):

    correct\_guessed = [r, s, t, l, n, e]

    incorrect\_guessed = []

    print(instructions)

    guess = prompt user for guess

    repeat code from round1or2 to flow and check guesses

    if richest guesses word:

        print(congratulatory message)

        update bank

    else:

        print(sorry message)

return richest

```
print(congratulations, {richest}! You won the game with a total
```