

J&J PRESENTS

QUIZ MO KO !!!

A GAME AND USER MANUAL

◆ A CMSC 21 FINAL PROJECT BY JOHN & JHUN



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INTRODUCTION

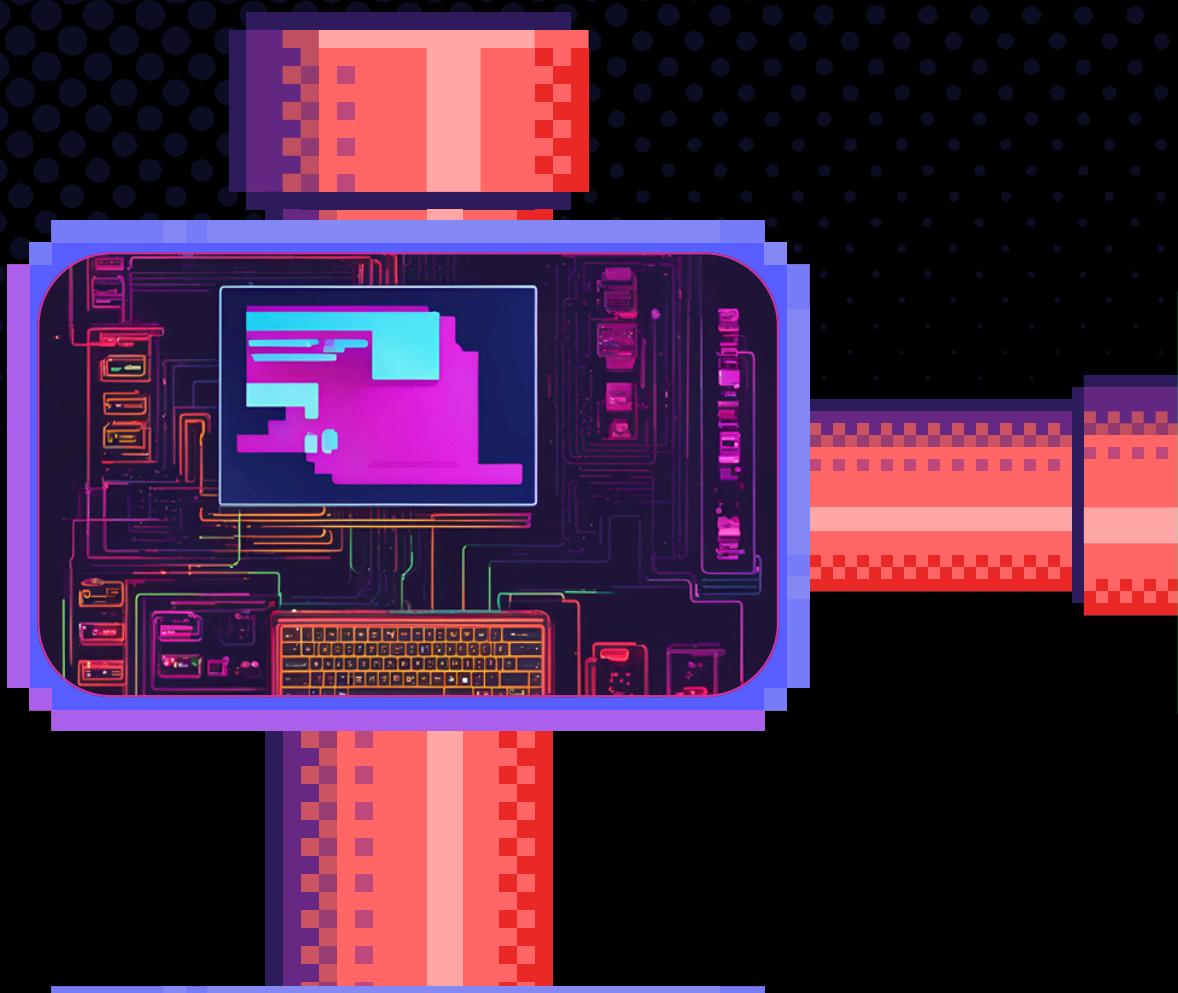
THE HISTORY OF THIS GAME DATES BACK IN OUR CMSC 21 CLASS, WHEN WE WERE ASSIGNED TO MAKE A GAME AS A FINAL PROJECT. THIS GAME IS A TRIVIA GAME FOUNDED UPON THE IDEA OF LEARNING WHILE HAVING FUN. THIS GAME OFFERS VARIOUS CATEGORIES AND DIFFERENT LEVELS OF DIFFICULTY AS THE PLAYER PROGRESS THROUGH THE GAME. THERE ARE ALSO POWER-UPS AND GAME TRICKS THAT CAN HELP THE PLAYER WIN THE GAME.



HENCE, QUIZ MOKO IS AN ENGAGING AND EDUCATIONAL TRIVIA GAME DESIGNED TO FOSTER LEARNING THROUGH FUN AND INTERACTIVE GAMEPLAY. WE AIM TO CREATE AN EXCITING AND CAPTIVATING EXPERIENCE THAT CHALLENGES PLAYERS OF ALL AGES WITH A DIVERSE RANGE OF CATEGORIES AND VARYING DIFFICULTY WHILE ENSURING QUALITY ENTERTAINMENT AND INTELLECTUAL GROWTH AND ENHANCEMENT OF KNOWLEDGE.

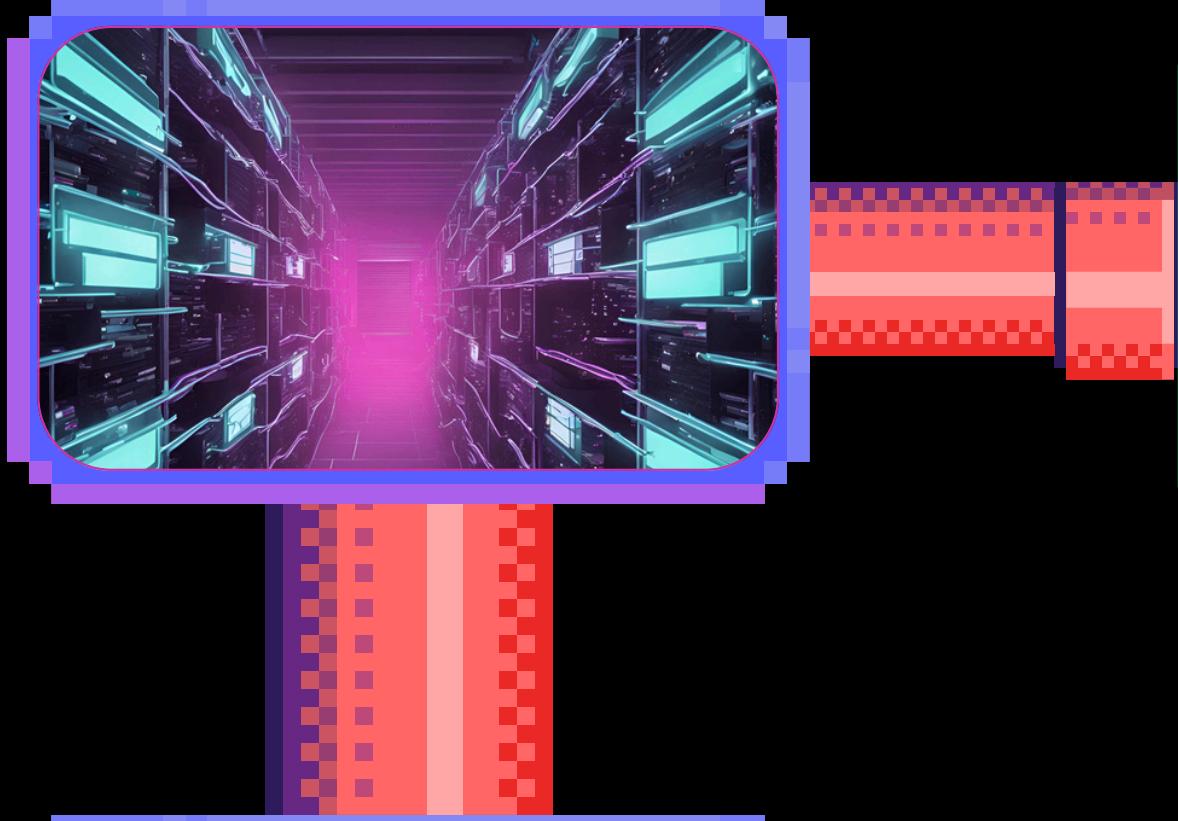


GAME STRUCTURE AND SOFTWARE BACKGROUND



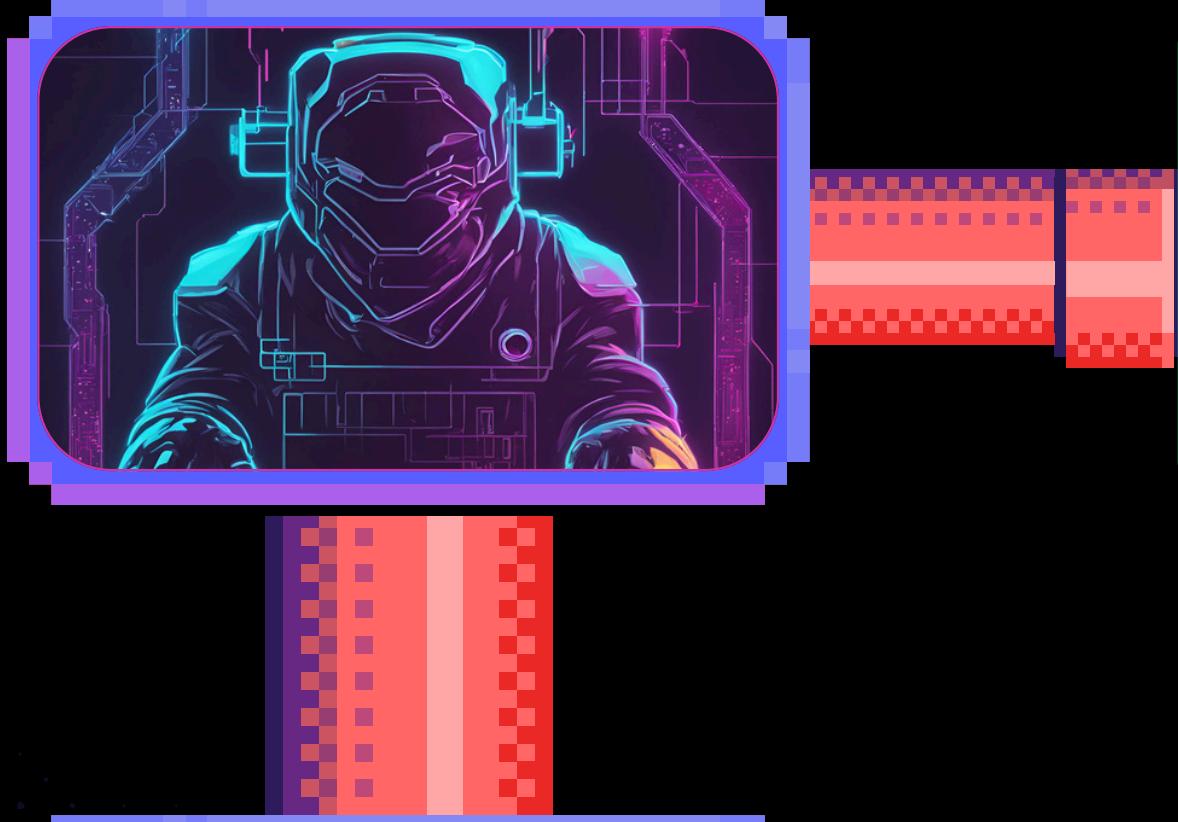
FILE MANIPULATION

Primarily used in handling the game's leaderboard. This ensures that the player's game data and scores are maintained.



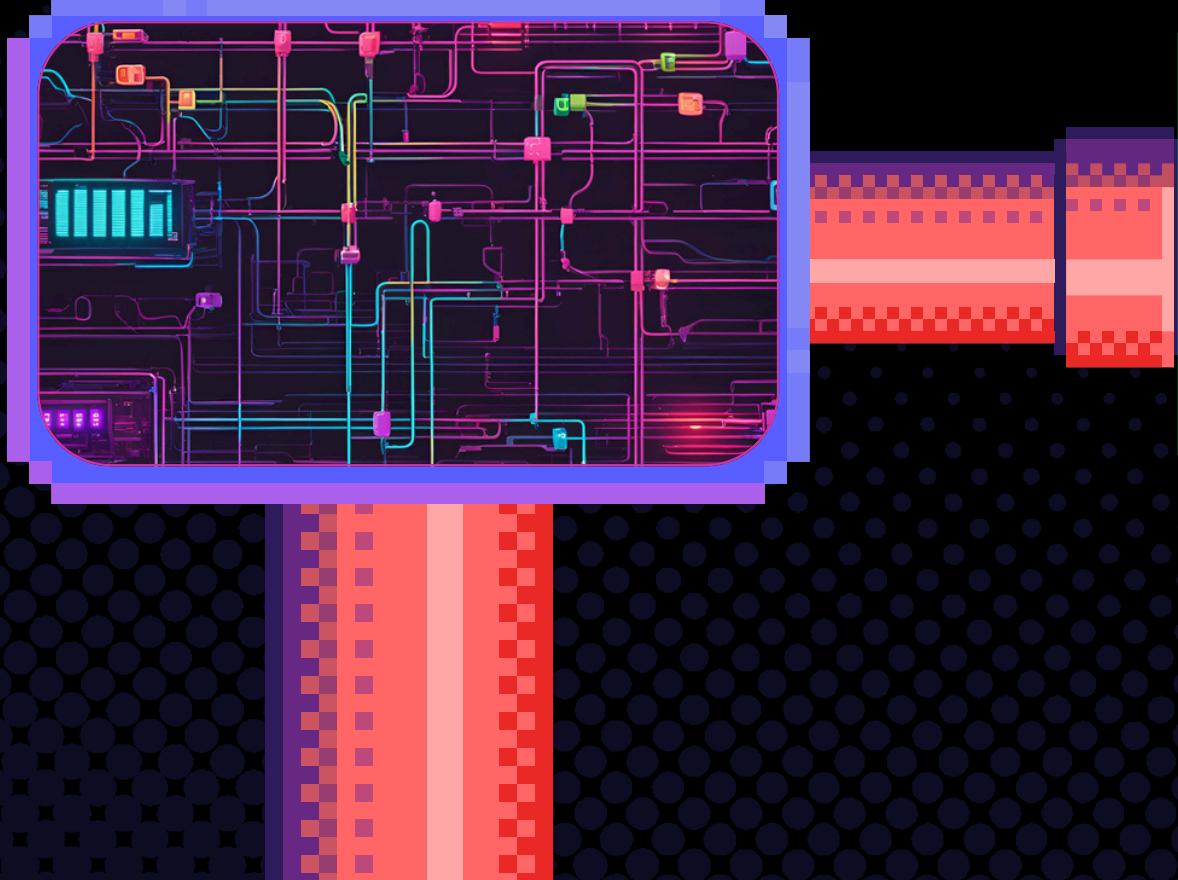
MEMORY ALLOCATION

This dynamically allocates memory for player's data such as scores, name, and others. This allows the game to be flexible in handling player data.



STRUCTS

This game employs the concept of structs to group related data such as player's name and score for easier management and access.



LINKED LIST

This game employs the concept of linked list to efficiently handle dynamic game elements such as in showing and removing categories.

HEADER FILES AND SOURCE FILES

GAME.H HEADER FILE

GAME.H IS A HEADER FILE THAT DEFINES THE STRUCTURES, CONSTANTS, ENUMERATIONS, AND FUNCTION PROTOTYPES USED THROUGHOUT THE GAME.

```
1 #pragma once
2
3 #include <stdbool.h>
4
5 #define MAX_QUESTIONS 10
6 #define TOTAL_QUESTIONS 10
7
8 #define MAX_OPTIONS 4
9 #define TOTAL_OPTIONS 4
10
11 #define MAX_CATEGORIES 5
12 #define TOTAL_CATEGORIES 5
13
14 #define MAX_POWERUPS 3
15 #define TOTAL_POWERUPS 5
16
17 #define MAX_NAME_LENGTH 10
18
```

STRUCTS AND ENUMERATIONS

STRUCTS GROUP RELATED DATA TOGETHER. WHILE ENUMERATIONS ARE USED TO DEFINE LEVEL DIFFICULTY.

CONSTANTS

◆ DEFINE LIMITS AND SIZES FOR VARIOUS GAME ELEMENTS.

```
19 enum Difficulty {
20     EASY,
21     AVERAGE,
22     DIFFICULT
23 };
24
25 typedef struct {
26     char name[20];
27     int score;
28 } Score;
29
30 typedef struct {
31     char* level;
32     char* category;
33     char* question;
34     char* option[4];
35     char* correct_answer[4];
36 } Quiz;
37
```

FUNCTION PROTOTYPES AND EXTERNAL VARIABLES

```
61     int used_powerup[5];
62     int clicked_powerup[5];
63
64     int timer;
65 } Game;
66
67
68 Quiz create_quiz(const char* level, const char* category, const
69 Powerup create_powerup(const char* name, const char* descripti
70
71 void init_contents(Game* game);
72 void add_quiz(Game* game, const Quiz* quiz);
73 void add_powerup(Game* game, const Powerup* powerUp);
74
75 void init_player(Game* game);
76 void confirm_name(Game* game);
77
78 void play_quiz(Game* game, int start_index, int *que_index, int
79 int init_timer(Game* game);
80 void init_difficulty(Game* game);
81 int choose_category(Game* game);
82 void mark_category_used(int categoryIndex, Game* game);
83 void init_index(int *array, int size, int modulo, int multiple);
84 int is_duplicate(int *array, int size, int value);
85 int is_correctanswer(char user_answer, Quiz quiz);
```

```
88 void center_item(int size);
89 void add_spaces(int size, int max_size);
90 void clear_screen();
91
92 void write_score(char *name, int score);
93 void read_score(Score **scores, int *numScores);
94
95 void print_top_scores(Score scores[], int numScores, int n);
96
97
98 void press_continue();
99
100 extern char* separator;
101 extern char* title_screen;
102 extern char* welcome_screen1;
103 extern char* welcome_screen2;
104 extern char* welcome_screen3;
105 extern char* welcome_screen4;
106 extern char* welcome_screen5;
107 extern char* welcome_screen6;
108 extern char* cat_easy_average;
109 extern char* cat_hard;
110 extern char* leaderboards;
111 extern char* lose_screen;
112 extern char* win_screen;
```

```
113 extern char* about_screen;
114 extern char* show_category;
115 extern char* easy_remark1;
116 extern char* easy_remark2;
117 extern char* easy_remark3;
118 extern char* average_remark1;
119 extern char* average_remark2;
120 extern char* average_remark3;
121 extern char* difficult_remark1;
122 extern char* difficult_remark2;
123 extern char* difficult_remark3;
124
125
126 extern int cat_flg1;
127 extern int cat_flg2;
128 extern int cat_flg3;
129 extern int cht1;
130 extern int cht2;
131 extern int dif1, dif2, dif3;
132 extern int opt[4];
133 extern bool used_easy_category[10];
134 extern bool used_average_category[10];
135 extern bool used_hard_category[10];
136
137 extern int used_powerup[3];
```

FUNCTION PROTOTYPES DEFINE THE FUNCTIONS THAT WILL BE USED IN THE SOURCE FILES.

EXTERNAL VARIABLES ARE VARIABLES DECLARED IN THE HEADER FILE THAT WILL BE ACCESSIBLE TO MULTIPLE SOURCE FILES.

GAME.C SOURCE FILE

THE GAME.C FILE CONTAINS THE MAIN IMPLEMENTATION OF THE GAME LOGIC. CONTAINS THE DEFINITION OF THE DECLARED FUNCTION PROTOTYPES IN THE GAME.H HEADER FILE.

```
20 void write_score(char *name, int score) {
21     FILE *file = fopen("assets/scores.txt", "a");
22     fprintf(file, "%s %d\n", name, score);
23     fclose(file);
24 }
25
26 void print_top_scores(Score scores[], int numScores, int n) {
27     puts(separator);
28     printf("\n\n");
29     puts(leaderboards);
30     printf("\n");
31     center_item(53);
32     printf("----TOP 5 SCORERS-----");
33
34     center_item(45);
35     printf("RANK");
36     add_spaces(strlen("RANK"), 10);
37     printf("NAME");
38     add_spaces(strlen("NAME"), 20);
39     printf("SCORE\n");
40     center_item(53);
41     printf("-----");
42
43     center_item(45);
```

FILE HANDLING FUNCTIONS (FILE MANIPULATION)

◆ READ AND WRITES SCORES FOR LEADERBOARD MAINTENANCE .

QUIZ MANAGEMENT (POINTERS APPLICATION)

◆ HANDLING OF QUIZ GAMEPLAY, PLAYER INTERACTION, AND GAME PROGRESSION .

```
349 Quiz create_quiz(const char* level, const char* category, const char* question, const char* option[4], const char* correct_answer) {
350     Quiz quiz;
351     quiz.level = strdup(level);
352     quiz.category = strdup(category);
353     quiz.question = strdup(question);
354     for (int i = 0; i < 4; i++) {
355         quiz.option[i] = strdup(option[i]);
356         quiz.correct_answer[i] = strdup(correct_answer[i]);
357     }
358     return quiz;
359 }
360
361 void add_quiz(Game* game, const Quiz* quiz) {
362     game->quizzes = realloc(game->quizzes, (game->num_quizzes + 1) * sizeof(Quiz));
363     game->quizzes[game->num_quizzes] = *quiz;
364     game->num_quizzes++;
365 }
366
367 Powerup create_powerup(const char* name, const char* description) {
368     Powerup powerup;
369     powerup.name = strdup(name);
370     powerup.description = strdup(description);
371     return powerup;
372 }
```

```

119     for (int i = 0; i < *numScores - 1; i++) {
120         for (int j = i + 1; j < *numScores; j++) {
121             if ((*scores)[i].score < (*scores)[j].score) {
122                 Score temp = (*scores)[i];
123                 (*scores)[i] = (*scores)[j];
124                 (*scores)[j] = temp;
125             }
126         }
127     }
128 }
129
130 void init_contents(Game* game) {
131     Quiz quiz_data[] = {
132         {"EASY", "MATHEMATICS", "CHOOSE A FACTUAL OPTION", {"ALL
133         {"EASY", "MATHEMATICS", "WHAT IS THE ONLY PRIME NUMBER TH
134         {"EASY", "MATHEMATICS", "HOW MANY SHORT STRAIGHT LINES AR
135         {"EASY", "MATHEMATICS", "WHAT NUMBER COMES FIRST WHEN ALL
136         {"EASY", "MATHEMATICS", "CHOOSE THE CORRECT OPTION.", {"S
137         {"EASY", "MATHEMATICS", "IS ZERO A WHOLE NUMBER", {"YES"
138         {"EASY", "MATHEMATICS", "WHAT IS THE DERIVATIVE OF A CONS
139         {"EASY", "MATHEMATICS", "WHAT IS THE ONLY NUMBER THAT IS
140         {"EASY", "MATHEMATICS", "WHAT IS THE LONGEST SIDE OF A TR
141         {"EASY", "MATHEMATICS", "WHICH OF THE FOLLOWING POSITIVE
142
143

```

INITIALIZATION OF QUESTIONS (ARRAY APPLICATION)

- INITIALIZES THE CONTENTS OF THE QUIZ.

PLAYER INITIALIZATION (UTILIZATION OF DYNAMIC MEMORY ALLOCATION)

- ALLOCATING MEMORY DYNAMICALLY DURING RUN TIME SINCE THE NAME OF PLAYER IS VARYING IN LENGTH.

```

398     game->player.name = malloc((MAX_NAME_LENGTH + 1) * sizeof(char));
399     scanf("%10s", game->player.name);
400     printf("");
401
402     for (int i = 0; game->player.name[i]; i++) {
403         game->player.name[i] = toupper(game->player.name[i]);
404     }
405
406     game->player.score = 0;
407     game->player.lives = 3;
408
409     memset(game->clicked_powerup, 0, sizeof(game->clicked_powerup));
410     memset(game->used_powerup, 0, sizeof(game->used_powerup));
411     for (int i = 0; i < 10; i++) {
412         used_easy_category[i] = false;
413         used_average_category[i] = false;
414         used_hard_category[i] = false;
415     }
416     cat_flg1 = 0;
417     cat_flg2 = 0;
418     cat_flg3 = 0;
419 }
420
421 void confirm_name(Game* game) {

```

```

430     myNode* get_node(SLList* list, int index) {
431         myNode* current = list->head;
432         for (int i = 0; i < index; i++) {
433             current = current->next;
434         }
435         return current;
436     }
437
438     myNode* create_node(char* x) {
439         myNode* a = (myNode*)malloc(sizeof(myNode));
440         a->value = strdup(x); // Allocate memory for the string
441         a->next = 0;
442         return a;
443     }
444
445     void init_list(SLList* list) {
446         list->head = 0;
447         list->tail = 0;
448         list->size = 0;
449     }
450
451     void populate_list(SLList *list, int *index, Quiz *quizzes, i
452         if (current < num_items) {
453             insert_item(list, current, quizzes[index[current]]));

```

SHOWING AND REMOVING OF CATEGORIES (LINKED-LIST)

- USED IN SHOWING AND REMOVING CATEGORIES. IT REMOVES A CATEGORY WHENEVER THE PLAYER CHOOSES IT.

MAIN.C SOURCE FILE

THE MAIN. C FILE IS THE MAIN DRIVER OF THE GAME. IT SETS UP THE INITIAL GAME STATE, HANDLE USER INPUT, MANAGES THE MAIN GAME LOOP, AND TRANSITIONS BETWEEN DIFFERENT GAME INTERFACE OR STATE.

```
#include <stdio.h>
#include <time.h>
#include <conio.h>
#include <windows.h>

#include "game.h"

int main() {
    srand(time(NULL));

    Game game;
    Score* scores = NULL;

    init_contents(&game);

    while(1) {
        start:
        system("cls");

        puts(title_screen);
        PlaySound(TEXT("assets/intro.wav"), NULL, SND_FILENAME | SND_ASYNC);

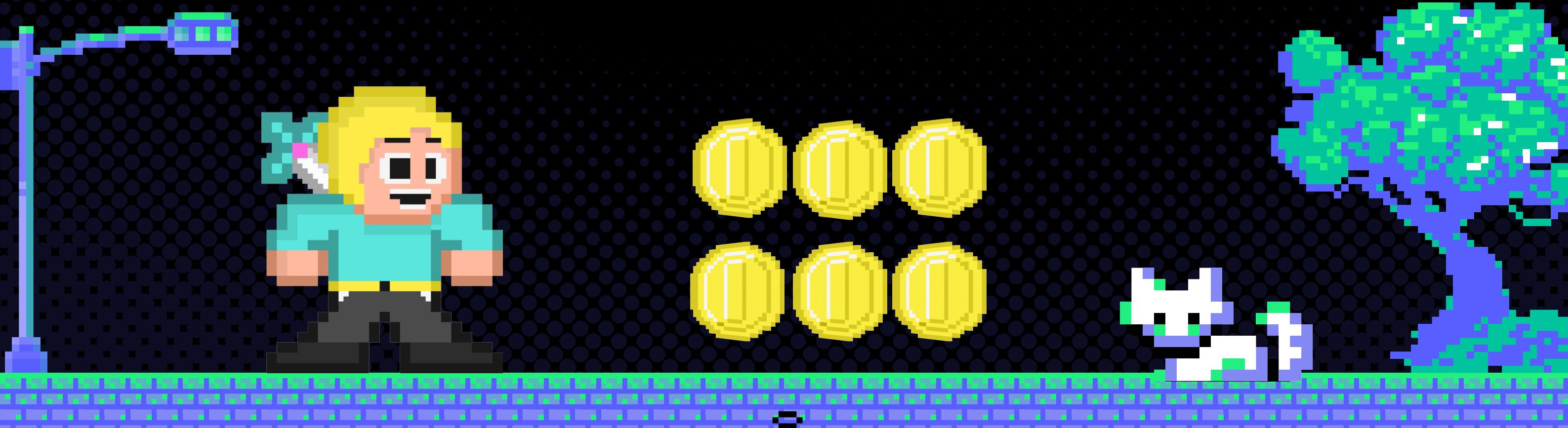
        char input;
        do {
            input = getch();
        } while ((input < '1') && (input > '4'));

        int pow_index[MAX_POWERUPS];
        init_index(pow_index, MAX_POWERUPS, TOTAL_POWERUPS, 1);
```

INCLUDES, GLOBAL VARIABLES, AND THE MAIN FUNCTION

INCLUDES ENABLE THE PROGRAM TO UTILIZE STANDARD AND CUSTOM LIBRARIES WHILE GLOBAL VARIABLES PROVIDE A WAY TO MAINTAIN SHARED STATE ACROSS THE PROGRAM.

IF YOU WISH TO PLAY OUR GAME OR VIEW OUR PROGRAM IN A MORE DETAILED MANNER, YOU MAY VISIT THIS LINK [[HTTPS://GITHUB.COM/JLESCARLAN11/CMSC-21-PROJECT](https://github.com/jlescarlan11/cmsc-21-project)] AND DOWNLOAD THE ZIP FILE OF OUR SOURCE CODES. IN THE LINK, YOU WILL FIND THE EXE FILE AND INSTRUCTIONS FOR COMPILING IT.



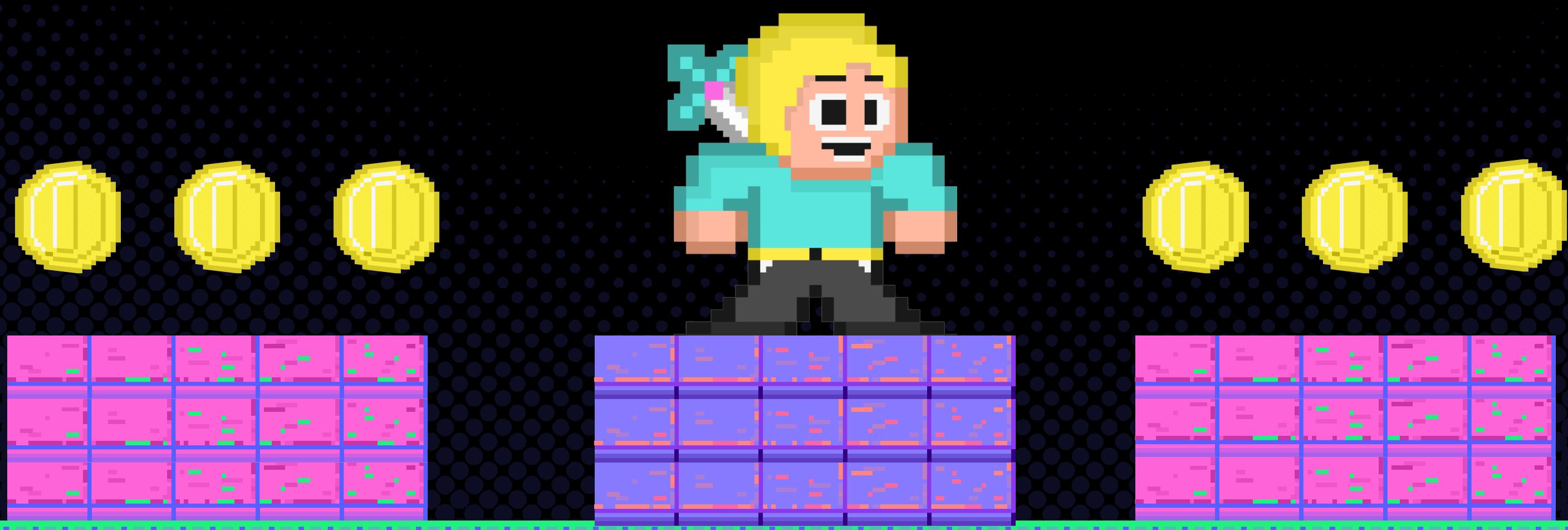
GAME CONCEPTS AND MECHANICS

MAIN MENU INTERFACE



THE MAIN MENU PROVIDES YOU WITH OPTIONS TO NAVIAGATE THROUGH THE GAME. YOU MAY DO THE FOLLOWING TO NAVIGATE THE GAME:

PRESS 1: TO START THE GAME
PRESS 2: TO KNOW MORE ABOUT THE GAME, E.G., THE GAME MECHANICS
PRESS 3: TO ACCESS THE LEADERBOARDS AND SEE THE HIGH SCORES
PRESS 4: TO EXIT THE GAME IF DONE PLAYING



ABOUT SECTION

PRESSING 2 WILL GIVE YOU ACCESS TO THE ABOUT SECTION OF OUR GAME. THIS PART WILL SHOW YOU THE OVERVIEW, BACKGROUND, GAME MECHANICS, AND ANYTHING ABOUT OUR GAME.

HEY Y'ALL
THIS GAME WAS MADE BY LESTER AND MERL AS PROJECT IN CMSC 21

PRESS [SPACEBAR] TO CONTINUE.

WHAT IS THIS ALL ABOUT?

QUIZ MO KO CHALLENGES YOUR KNOWLEDGE AND INTUITION WITH MULTIPLE CHOICES ACROSS VARIOUS CATEGORIES. AND GUESS WHAT? YOU'RE NOT ALONE IN THIS. A ZEALOUS GAME MASTER IS ALWAYS THERE TO WELCOME YOU AND KEEP THE ENERGY HIGH THROUGHOUT THE GAME.

PRESS [SPACEBAR] TO CONTINUE.

GENERAL MECHANICS

- 1) THE GAME SHALL CONSIST OF THREE CONSECUTIVE LEVELS: EASY, AVERAGE, AND DIFFICULT.
- 2) AT THE START OF THE GAME, THE PLAYERS ARE ASKED TO INPUT THEIR NAME. THIS WILL BE USE TO RECOGNIZE ACHIEVEMENT OF THE PLAYERS AT THE END OF THE GAME.
- 3) AFTER THE PLAYER INPUT THERE NAME, THEY WILL BE GIVEN THREE RANDOM CATEGORIES TO CHOOSE AT. AS OF NOW, THE ONLY CATEGORY AVAILABLE ARE: MATHEMATICS, SCIENCE, COMPUTER SCIENCE, GEOGRAPHY, AND HISTORY AND LITERATURE. FOR EACH CATEGORY THERE EXISTS TEN MULTIPLE QUESTIONS THAT WILL BE ANSWERED BY THE PLAYERS.
- 4) BY DEFAULT, THE PLAYER WILL HAVE THREE LIVES AND WILL BE BE GIVEN A THREE RANDOM POWER-UPS THAT WILL HELP THEM THROUGHOUT THE GAME.

PRESS [SPACEBAR] TO CONTINUE.

GENERAL MECHANICS

- 5) AFTER CHOOSING A CATEGORY, THE QUESTIONS UNDER EACH CATEGORY WILL BE PRESENTED, AND THEY WILL PRESS THEIR ANSWERS FROM A TO D.
- 6) EACH CORRECT ANSWER WILL BE AWARDED WITH CORRESPONDING POINTS AND ANSWERING INCORRECTLY WILL RESULT IN LOSING A LIFE. EACH QUESTION SHALL BE TIMED, AND THE LESS TIME CONSUMED BY THE PLAYER, THE HIGHER THE POINTS WILL BE GIVEN.
- 7) AFTER GARNERING A TOTAL OF 2000 POINTS AT THE EASY ROUND, THE PLAYER WILL NOW MOVE TO THE AVERAGE ROUND. AFTER GARNERING A TOTAL OF 6500 POINTS, THE PLAYER WILL THEN BE ABLE TO LEVEL UP TO THE DIFFICULT ROUND. FINALLY, THE PLAYER WINS ONCE THEY ACHIEVE A TOTAL OF 17500 POINTS.

PRESS [SPACEBAR] TO CONTINUE.

ABOUT SECTION

GET TO KNOW YOUR POWER-UPS

THESE POWER-UPS WILL GIVE YOU THE UPPER HAND IN WINNING THE GAME. USE THEM WISELY!

- | | |
|-----------------|--|
| TIME FREEZE | - THIS POWER-UP ALLOWS THE PLYER TO PAUSE THE TIMER OF THE GAME AND ALLOWS THE PLAYER TO ANSWER THE QUESTIONS WITH EASE. |
| ERASER | - THIS POWER-UP ELIMINATES ONE WRONG OPTION AMOUNG THE CHOICES. |
| DOUBLE JEOPARDY | - THIS POWER-UP DOUBLES THE PLAYER'S SCORE IF THE QUESTION IS ANSWERED INCORRECTLY. |
| PASS | - THIS ALLOWS PLAYER TO PASS AND ANSWER THE QUESTION LATER. |
| IMMUNITY | - THIS ALLOWS THE PLAYER TO ANSWER THE SAME QUESTION TWICE WITHOUT LOSING A LIFE IN THE CASE OF A WRONG ANSWER. |

PRESS [SPACEBAR] TO CONTINUE.

THE ABOUT SECTION ALLOWS YOU TO BECOME FAMILIAR WITH IMPORTANT GAME DETAILS AND CONCEPTS THAT WILL COME HANDY AS YOU PROGRESS THROUGH THE GAME.

LEADERBOARDS

LEADERBOARDS

----TOP 5 SCORERS----		
RANK	NAME	SCORE
[1]	JKHJ	17718
[2]	LHKLHJ	16500
[3]	LKJKL	00435
[4]	LKJAL	00249
[5]	KJHLKJ	00090

PRESS 1 TO GO BACK

PRESSING 3 WILL ALLOW YOU TO ACCESS THE LEADERBOARDS OF THE GAME. THIS GAME'S LEADERBOARDS ONLY SHOW THE TOP 5 HIGHEST POINTERS OF THE GAME. ALSO, IN THE CASE THAT THERE STILL NO HIGH SCORERS, A MESSAGE INDICATING NO RECORDS WILL BE SHOWN.

THE START OF THE GAME

AFTER PRESSING 1, YOU WILL BE ASKED TO RECONFIRM YOUR CHOICE TO START THE GAME. AND YOU WILL BE ASKED TO ENTER THE YOUR DESIRED NAME TO USE THROUGHOUT THE GAME.

BEFORE WE START, PLEASE ENTER YOUR NAME

PRESS [ENTER] IF DONE

TEST_GAME|

IS [TEST_GAME] THE NAME YOU'D LIKE TO USE THROUGHOUT THE GAME?
[1] YES [2] NO

AFTERWARDS, A WELCOME SCREEN WILL BE SHOWN ON THE SCREEN, AND THE GAME MASTER WILL INTERACT WITH YOU AND GUIDE YOU THROUGH THE REST OF THE GAME. YOU JUST HAVE TO FOLLOW THE GAME MASTER'S DIRECTION TO EASILY NAVIGATE THROUGH THE GAME.

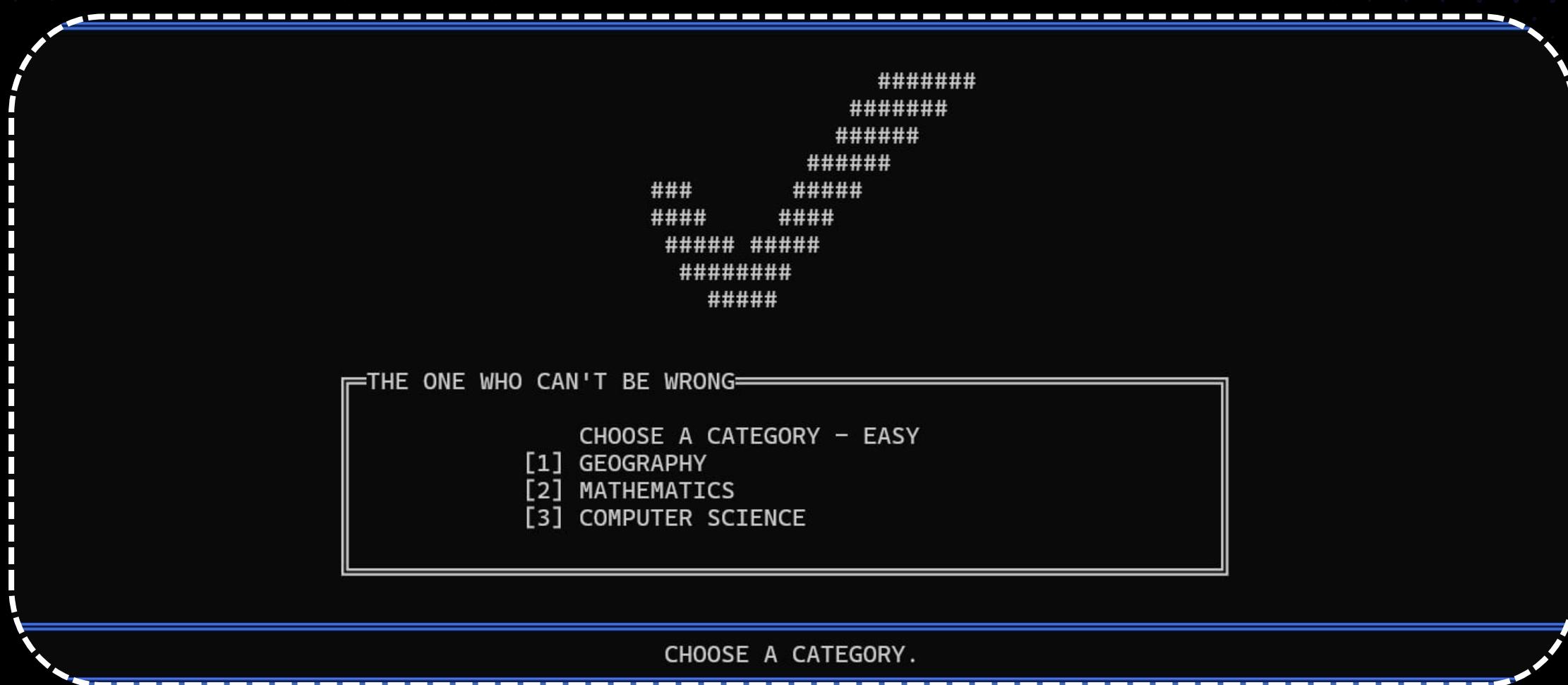
HELLO, PLAYER TEST_GAME!
I'M THE ONE WHO CAN'T BE WRONG, THE QUIZ MASTER.
AND I'M HERE TO SEE IF YOU HAVE WHAT IT TAKES TO
CONQUER MY GAME.

PRESS [SPACEBAR] TO CONTINUE.

AFTER THE WELCOME REMARKS, YOU WILL AUTOMATICALLY BE DIRECTED TO THE GAME MECHANICS INTERFACE SHOWN IN THE ABOUT SCREEN.

GAMEPLAY OVERVIEW

AFTER FOLLOWING THE GUIDE OF THE GAME MASTER, YOU WILL BE THEN ASKED TO CHOOSE A CATEGORY. AS OF NOW, THERE ARE A TOTAL OF FIVE CATEGORIES. NAMELY, MATHEMATICS, SCIENCE, COMPUTER SCIENCE, GEOGRAPHY, AND HISTORY AND LITERATURE. AMONG THESE CATEGORIES, ONLY THREE PER ROUND IS GIVEN TO YOU AS AN OPTION. AND YOU SHALL ONLY PICK ONE.



NOTE: THE GAME STARTS AT AN EASY LEVEL AND YOU CAN LEVEL UP AS YOU PROGRESS AND GAIN POINTS BY ANSWERING EACH QUESTION CORRECTLY. THERE ARE THREE LEVELS FOR THIS GAME, THE EASY, AVERAGE, AND THE DIFFICULTY LEVEL.

- GATHERING A TOTAL OF 2000 POINTS IN THE EASY ROUND WILL ENABLE YOU TO PROCEED TO THE AVERAGE ROUND.
- GATHERING A TOTAL OF 6500 POINTS IN THE AVERAGE ROUND WILL ENABLE YOU TO PROCEED TO THE DIFFICULTY LEVEL.
- FINALLY, YOU CAN WIN THE GAME AFTER GATHERING A GRAND TOTAL OF 17500 POINTS.

ALSO, TAKE NOTE THAT THE POINTS YOU GET PER QUESTION VARY. THE SCORING SYSTEM DEPENDS ON THE TIME CONSUMED TO ANSWER THE QUESTION. THE LESSER THE TIME CONSUMED, THE GREATER THE POINTS RECEIVED.

GAMEPLAY OVERVIEW

AFTER PICKING A CATEGORY, THE QUESTIONS WILL NOW BE PRESENTED TO YOU. AT THE START OF THE GAME YOU ARE GIVEN THREE LIVES, AND THREE POWER-UPS. NOTE THAT THERE ARE A TOTAL OF FIVE POWER-UP. HOWEVER, YOU ARE ONLY GIVEN THREE OF THEM THROUGHOUT THE GAME AND IT CAN ONLY BE USED ONCE.

The screenshot shows a game interface with a black background. At the top, it displays player information: "PLAYER NAME : TEST_GAME" and "EASY : GEOGRAPHY" on the left, "SCORE : 0000" and "TIMER : 28" in the center, and "LIVES : 3" and "QUESTION : 01" on the right. Below this, a question is asked: "WHAT IS THE SMALLEST CONTINENT BY AREA?". Four options are listed below the question:

- [A] NORTH AMERICA
- [B] EUROPE
- [C] ASIA
- [D] AUSTRALIA AND OCEANIA

At the bottom of the screen, there are three buttons labeled "[1] PASS", "[2] IMMUNITY", and "[3] DOUBLE JEOPARDY".

YOU CAN ANSWER EACH QUESTION BY ENTERING THE LETTER OF YOUR CHOICE. EACH CORRECT ANSWER WILL MERIT YOU POINTS,

YOU WILL LOSE A LIFE WHEN:

- YOU ANSWER INCORRECTLY.
- YOU CONSUMED THE TIME WITHOUT ANSWERING.

LIVES :

PLAYER NAME : TEST_GAME
EASY : GEOGRAPHY

SCORE : 0000
TIMER : 24

LIVES :
QUESTION : 02

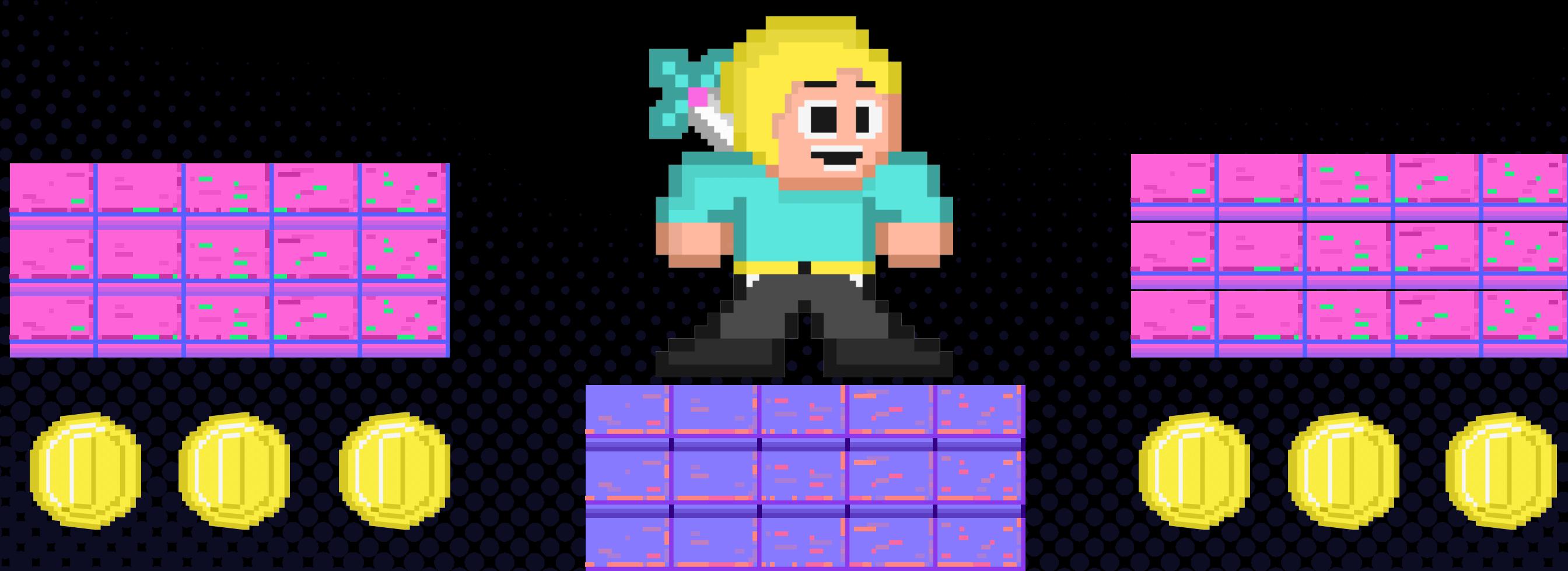
THIS PART OF THE INTERFACE WILL ACT AS YOUR STATUS BAR. HERE YOU CAN SEE YOUR GAME INFORMATION AND GAME STANDING.

POWER-UPS

[1] PASS [2] IMMUNITY [3] DOUBLE JEOPARDY

AGAIN, THERE ARE FIVE POWER-UPS IN THIS GAME. HOWEVER, YOU WILL ONLY BE GIVEN THREE OF THEM PER GAME. THEIR FUNCTIONS ARE AS FOLLOWS:

- TIME FREEZE - GIVES THE AUTHORITY TO FREEZE TIMER WHILE ANSWERING THE QUESTIONS.
- ERASER - THIS POWER-UP ELIMINATES ONE WRONG OPTION FROM THE CHOICES.
- DOUBLE JEOPARDY - THIS POWER-UP DOUBLES THE PLAYER'S SCORE IF THE QUESTION IS ANSWERED INCORRECTLY. HOWEVER, THE PLAYER WILL LOSE ALL THEIR POINTS IF THEY ANSWER INCORRECTLY.
- PASS - THIS POWER-UP WILL GIVE THE PLAYER THE AUTHORITY TO PASS AND ANSWER THE QUESTION LATER.
- IMMUNITY - THIS ALLOWS THE PLAYER TO ANSWER THE SAME QUESTION TWICE WITHOUT LOSING A LIFE IN THE CASE OF A WRONG ANSWER.



WINNING OR LOSING

IN THE CASE THAT YOU HAVE SUCCESSFULLY ACCOMPLISHED A LEVEL, A CONGRATULATORY INTERFACE WILL APPEAR ON YOUR SCREEN



AND AFTER GOING THROUGH ALL THE QUESTION. YOU WILL EITHER WIN OR LOSE. AND IF YOU WIN, THE WINNING SCREEN WILL BE PRESENTED. AND IF YOU LOSE, THE LOSING SCREEN WILL BE SHOWN .



CREDITS

J&J STUDIO AND COMPANY

PRODUCED BY:

JOHN LESTER N. ESCARLAN
MERL JHUN C. CATIQUISTA

OVERALL GAME STRUCTURE AND PROGRAM:

JOHN LESTER N. ESCARLAN
MERL JHUN C. CATIQUISTA

OVERALL GRAPHICS:

JOHN LESTER N. ESCARLAN

GAME CONTENT AND MECHANICS:

MERL JHUN C. CATIQUISTA
JOHN LESTER N. ESCARLAN

GAME MANUAL:

MERL JHUN C. CATIQUISTA