



University of Dhaka
Department of Computer Science and Engineering

Project Report:
Fundamentals of Programming Lab(CSE-1211)

Project Name:
Call Bridge card Game

Team Members:
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Introduction

This project is called Call Bridge Card Game where four players play the game, every time the guest player starts the battle. At the start of the game, guest player will place a bid and other player's bids are placed according to their card. After each battle, if the point of a player is greater or equal to the bid placed before, then the player wins. A player has to score a total 25 points or more to win the game.

Objectives

To use the tools of C program successfully in the project was the main objective.

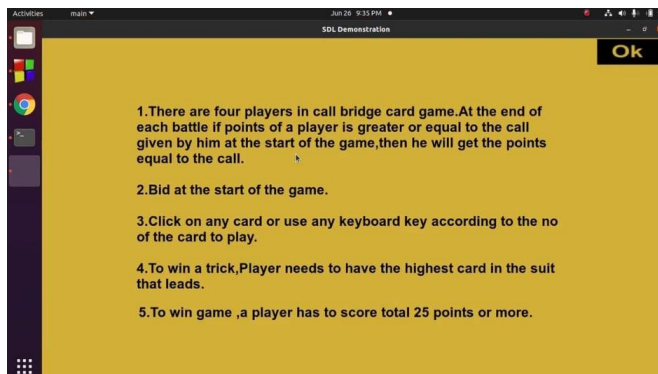
To use loops, arrays, structures and files handling successfully.

Project Features

1. There are enough menus to handle the project correctly.
2. Audio has been added.



3. There is the scope to get help during the game if the player needs it.

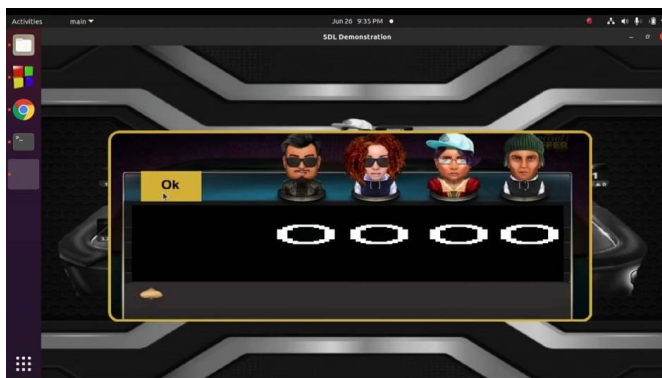


4.Game can be paused and again continued.



5.New game can be started if the player wants.

6.Player can see the score any time during the game.



7.There is fluency of using keyboard and mouse during the game.

Project Modules

<stdio.h>-to specifies functions for accessing the operating system.

<stdlib.h>-to include all necessary libraries of c program.

<SDL2/SDL.h>-to initialize everything used for graphical interface.

<SDL2/SDL_image.h> -to use images in the program for graphics purposes.

<SDL2/SDL_mixer.h> -to use audio in the program.

<SDL2/SDL_ttf.h>-to use text file and other user defined libraries.

Team Member Responsibilities

Logic part and source code:Abdullah-Al-Mahmud

Graphics part and version control:Nafisa Anzum

Fatematuzzohra Prity

Platform, Library & Tools

C program has been used to develop the program with 2D platform.SDL2 library and its associated libraries has been used in Sublime text to develop source code.Github has been used for further development and version control.

Limitations

Everytime only the guest player starts the battle though it was supposed to shuffle.

It is written with c programming languages,so no upgraded feature is available of c++

There is no use of animation to make the movements more attractive.

Conclusions

We learned about graphics ,a new topic,the main advantage for us in this project.Moreover.it helped us to improve our skill in team work as well as the implementation of programming skill we learned previously.

Future plan

We want to re-construct this project in the future where we want to use 3D graphics to make it more enjoyable as well as we want to use animations to make it more lively and attractive.

Repositories

GitHub

Repository:https://l.facebook.com/l.php?u=https%3A%2F%2Fgithub.com%2Fnafisa45%2Fproject-Group-2-%3Ffbclid%3DIwAR05C-PM_xEc04TrnqI9YetbT_8n9hkTiry3jlr30hlth9Zlq94PU73cHGg&h=AT393XR7ENeD8ALK7WTYu8pZDrRZF6OJMBEgm_99wyix5_uOABrWbVeRKgKYDJ21qntwkigoj9de82M5OE8RMX38BtaxcTx-9-CukQD50rMnKyVFRJ0MKqPr77DRMA

Youtube Video: https://youtu.be/05XpzMN_pYw

References

<https://wiki.libsdl.org/FrontPage>

https://www.tutorialspoint.com/c_standard_library/stdlib_h.htm