

CS101 Project 2015



BRAND MONOPOLY BOARD GAME

GROUP CUSE

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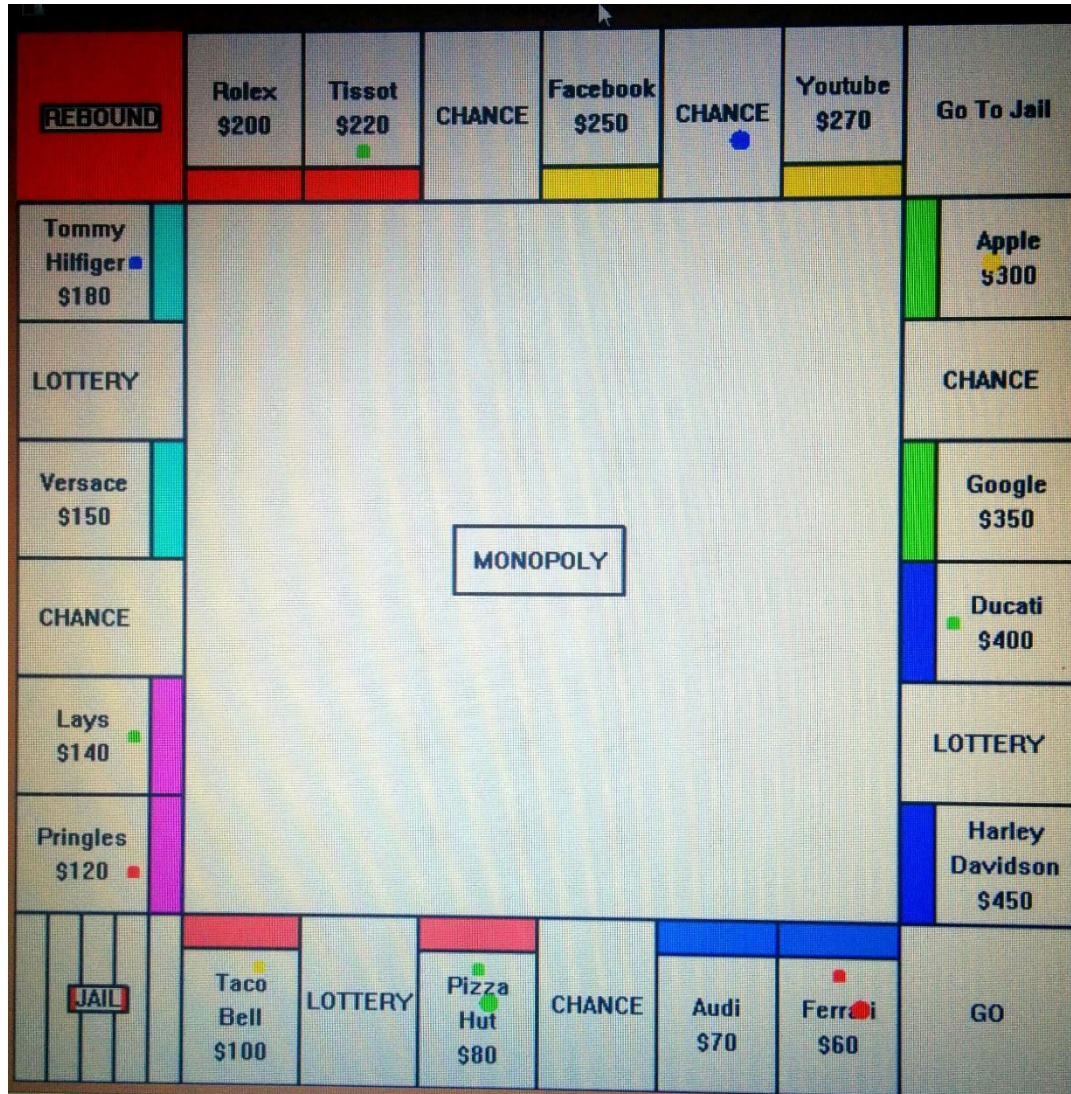
PROBLEM STATEMENT & DESCRIPTION

PROBLEM STATEMENT : To make a Monopoly Board game for 2 or 4 players using C++ and simplecpp graphics library

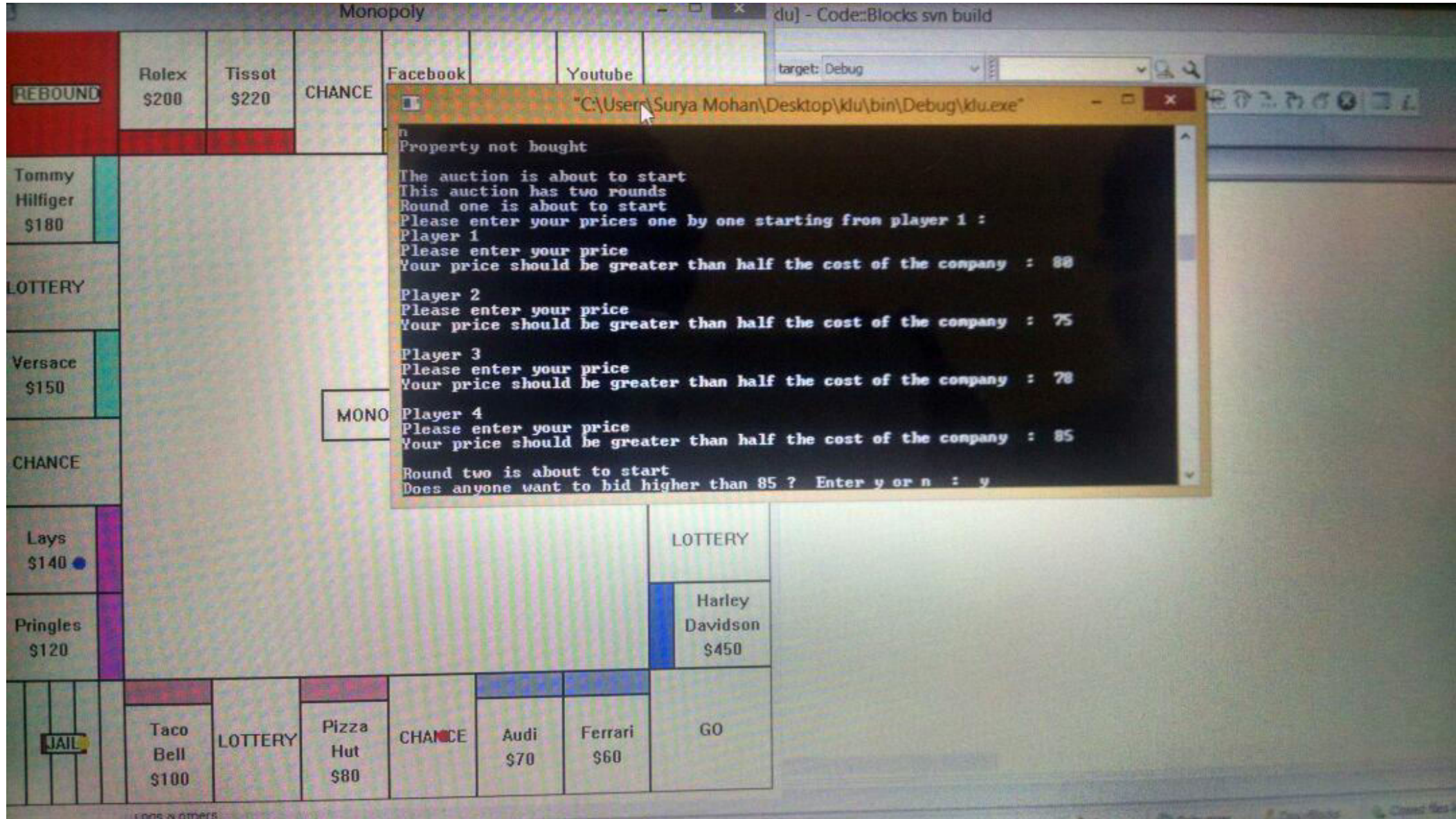
GOALS :

- To first make a two player game (Completed)
- To extend it to four players, with proper end sequence (Completed)
- To add new features such as sell , auction after the above mentioned goals are achieved (Completed)

PROJECT SCREENSHOTS



PROJECT SCREENSHOTS



PROJECT SCREENSHOTS

1 Your dice numbers are 3 and 3

You Have Gone to Jail. \$150 have been spent to come out
Balance has now become 720

Do you want to see your account information?

Enter y or n y

Balance is 720

Current square on board is 8

Properties owned are -

Ferrari

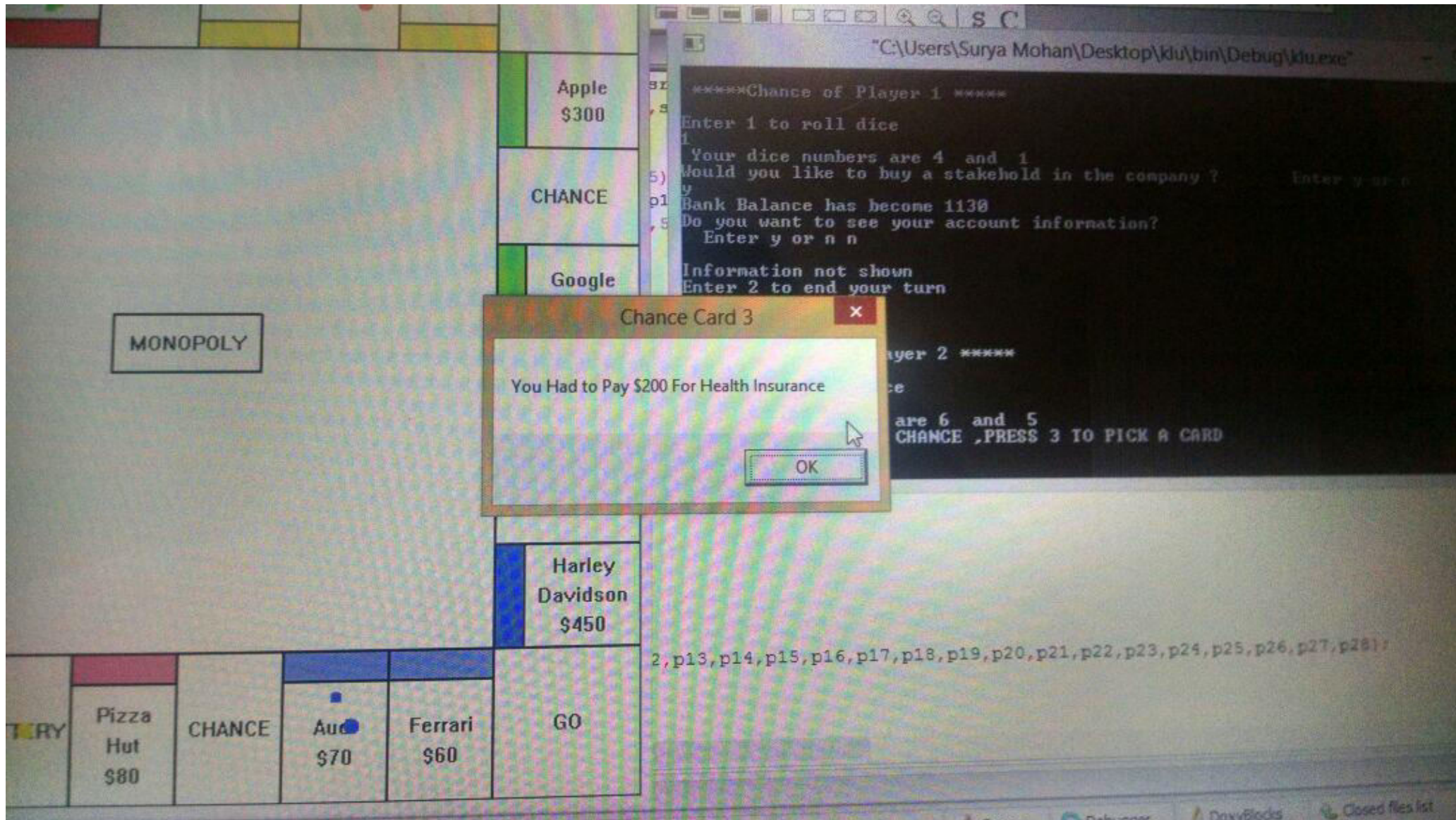
Versace

Tissot

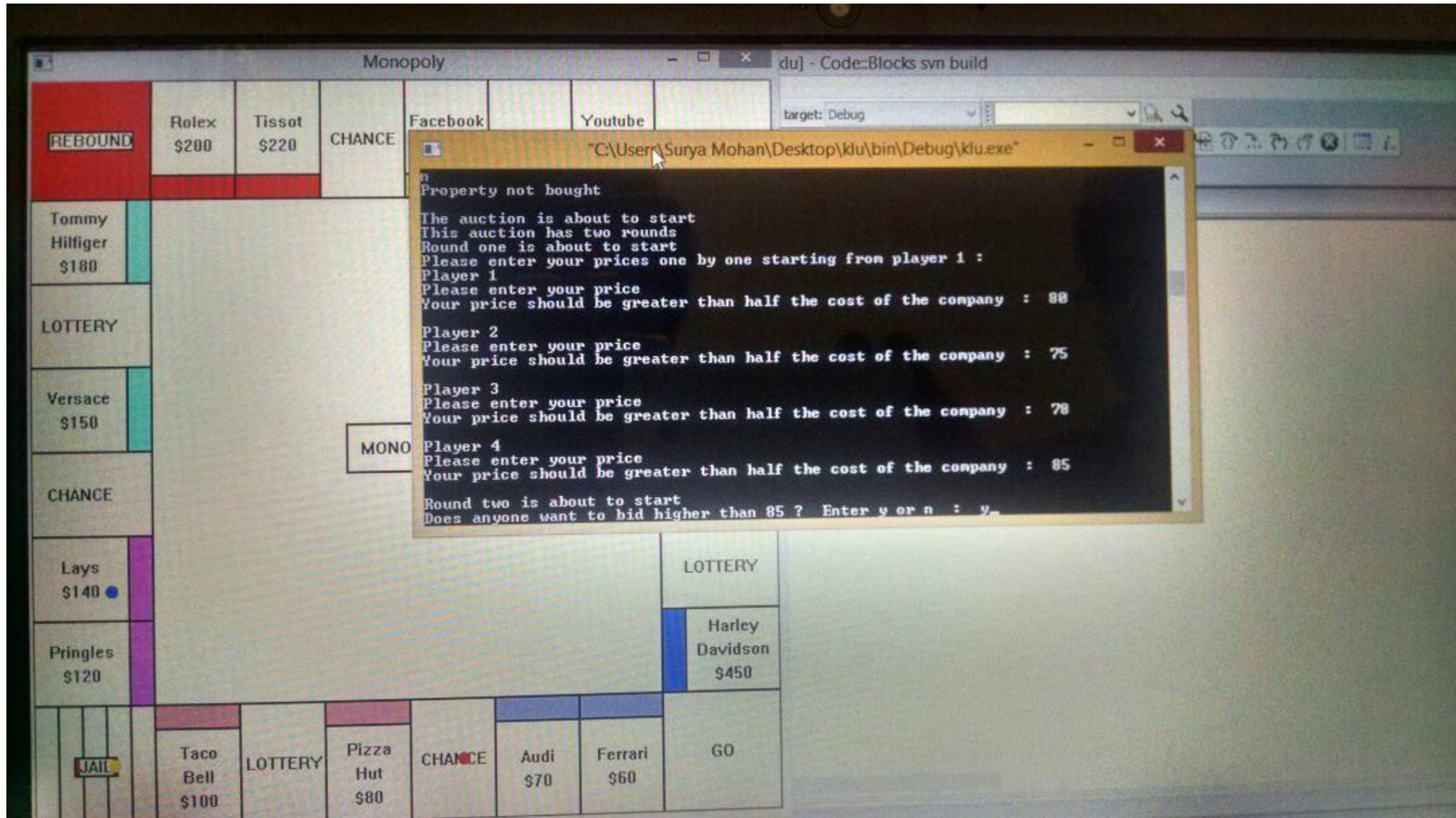
Apple

Enter 2 to end your turn

PROJECT SCREENSHOTS



PROJECT SCREENSHOTS



CHALLENGES

In the code-

- To continue the 4 player game, when a player was out
- To add the rent, sell and auction function
- To add the rectangles after a property was bought
- To move the token without any error
- To make the board itself
- To make the gameplay better by adding new elements

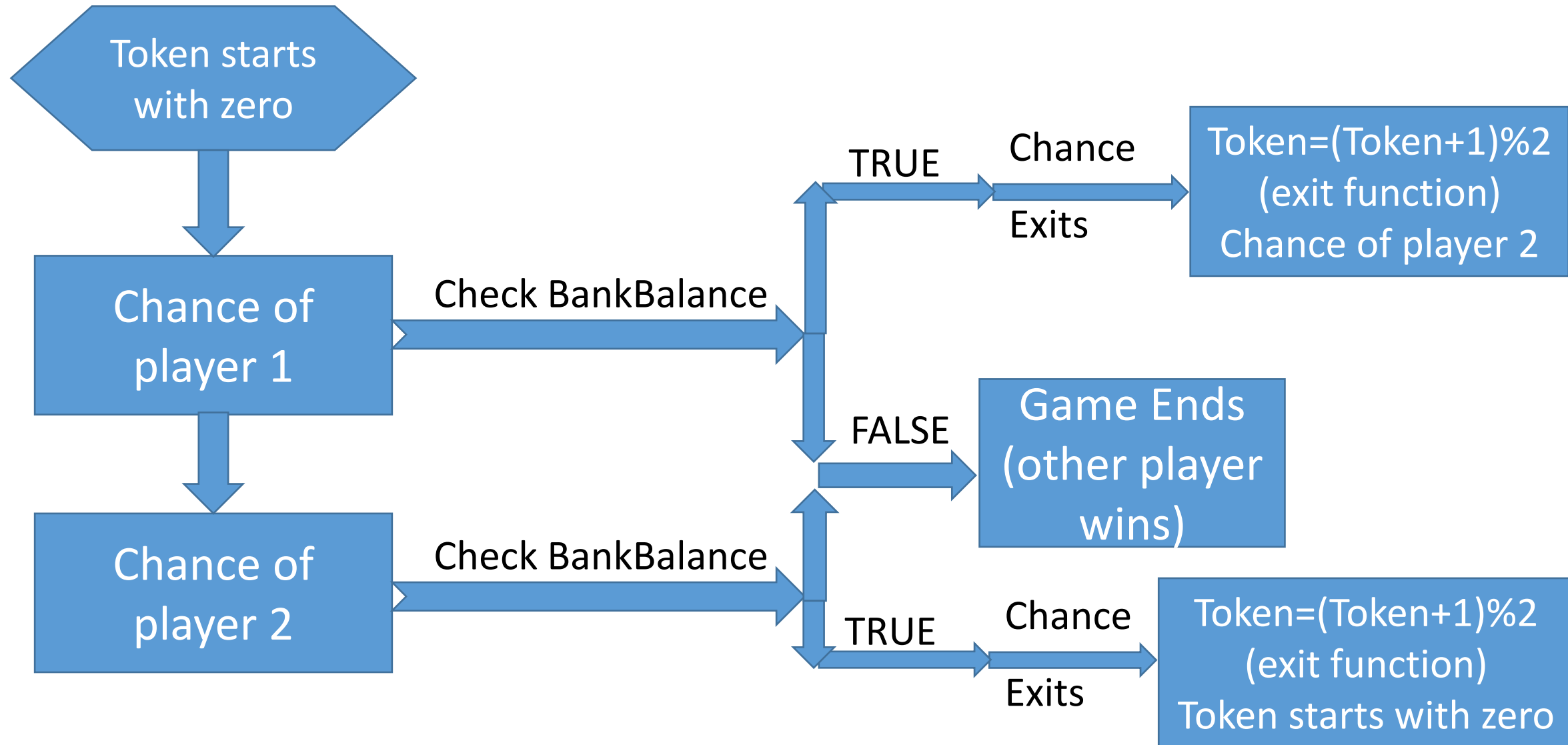
In real life -

- To coordinate between all the members of our group and work distribution
- To ensure that each member contributes in one way or another for the project

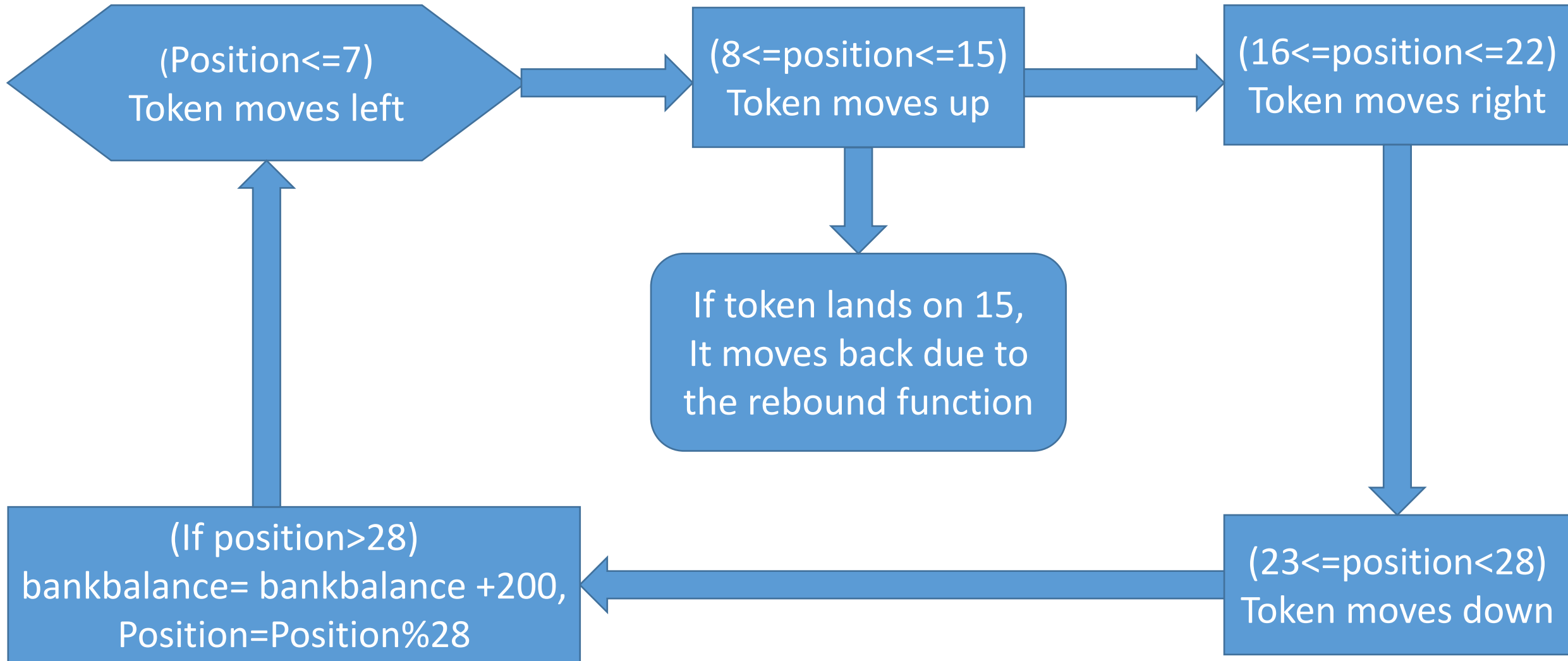
HOW WE TACKLED THE CHALLENGES -

- Work was distributed so that each member could contribute in a significant manner
- The movement of token was perfected by repeated testing
- The 4 player game was designed in a new way, as explained in the block diagram before
- The board was made by careful planning of the coordinates, and noting that each rectangle is uniform.
- Rent, sell and auction functions were made using certain parameters defined in our code, namely balance and property-index

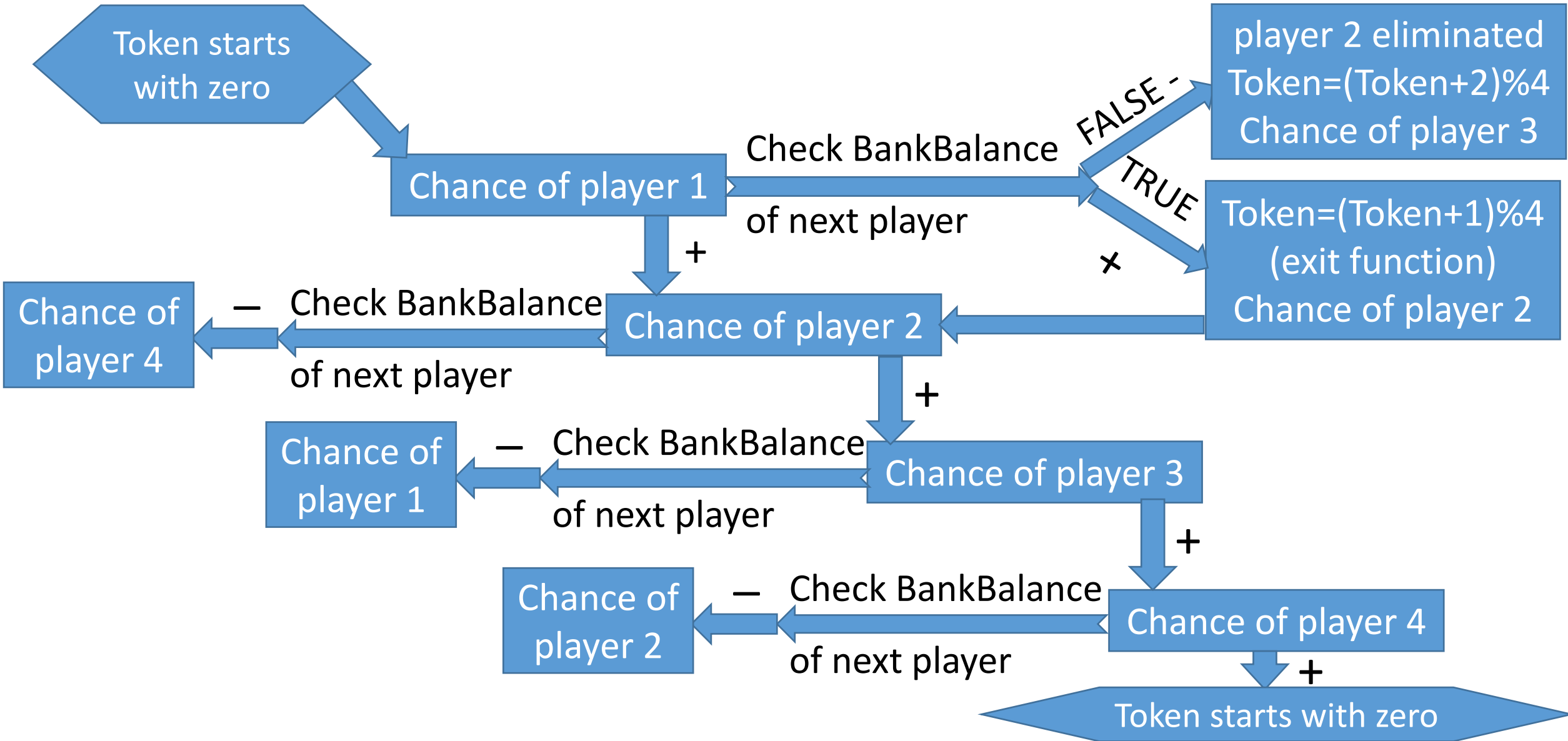
FORMAL SYSTEM DIAGRAM (2 PLAYERS)



MOVEMENT OF TOKEN



FORMAL SYSTEM DIAGRAM (4 PLAYERS)



FUTURE ENHANCEMENTS

- This game represents what this team could do best, in the finite resources and knowledge that the members have acquired over the whole CS 101 course
- However, the game could be improved by using a better graphics library thus improving the visual appeal of the game
- More of mouse and less of keyboard user interface could be made, using that better graphics library
- The working may be subjected to more stringent rules in the game

THANK YOU !