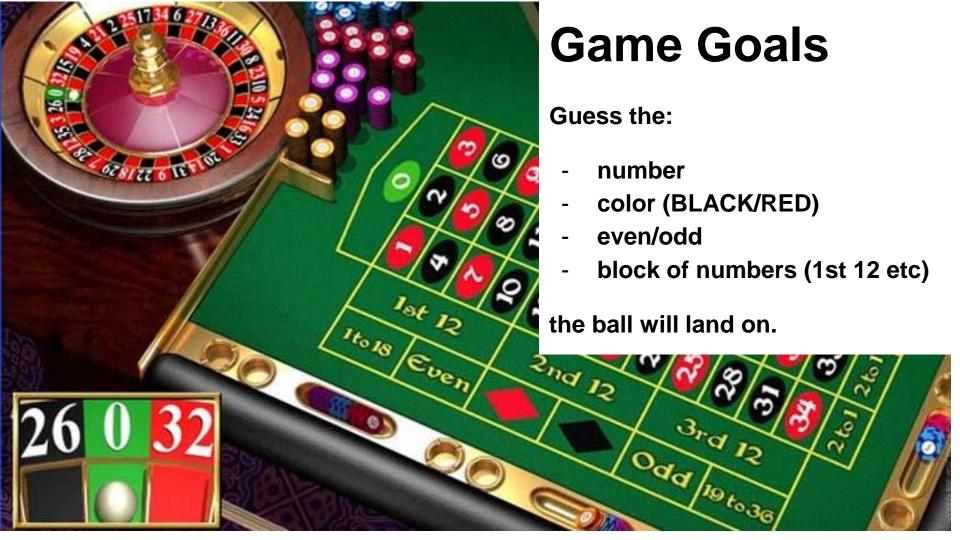


Coder Academy Roulette

Josephine Chong & Bruce McClure

• 6 March 2019



37 Numbers (inc. zero) 2 Colors (RED/BLACK) 1 Bet placed 1 Wheel spin

the absolute basics of the game, then

Probability and Payouts

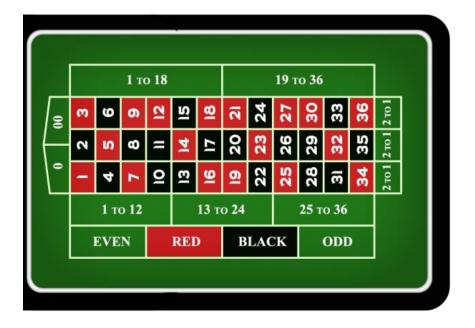
In the game of roulette, there are two main groups of bets – Outside Bets and Inside Bets. The names are derived from the bet positions on the layout of the table. Outside bets have higher chances of winning, but much smaller payouts. Inside bets, on the other hand, have less probability of winning, but considerably bigger payouts. Check out the table we've prepared for the percentages for each bet you can place on roulette.

Odds & Payouts at European & American Roulette		
Payout	European Roulette Odds	American Roulette Odds
35 to 1	2.70%	2.60%
17 to 1	5.4%	5.3%
11 to 1	8.1%	7.9%
8 to 1	10.8%	10.5%
6 to 1	13.5%	13.2%
5 to 1	16.2%	15.8%
2 to 1	32.40%	31.6%
2 to 1	32.40%	31.6%
1 to 1	48.60%	47.4%
1 to 1	48.60%	47.4%
1 to 1	48.60%	47.4%
	Payout 35 to 1 17 to 1 11 to 1 8 to 1 6 to 1 5 to 1 2 to 1 2 to 1 1 to 1	Payout European Roulette Odds 35 to 1 2.70% 17 to 1 5.4% 11 to 1 8.1% 8 to 1 10.8% 6 to 1 13.5% 5 to 1 16.2% 2 to 1 32.40% 1 to 1 48.60% 1 to 1 48.60%

Spin the wheel assign number to ball praceent eds-2 \bigcirc \bigcirc \bigcirc

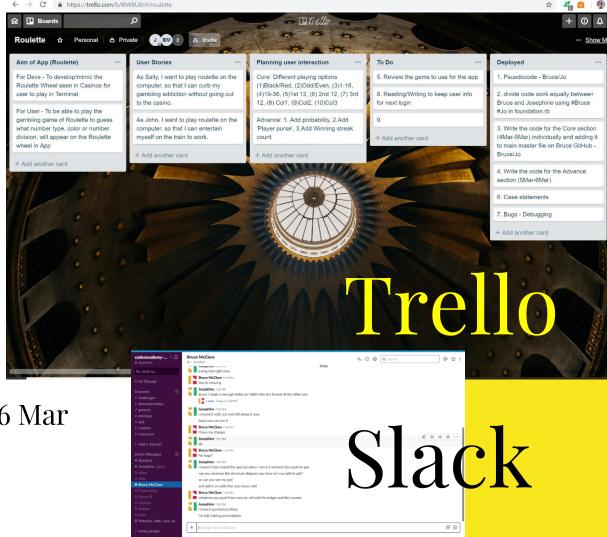
Game Design

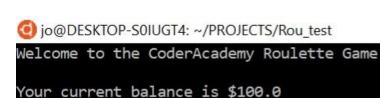
A large 'case' statement with nested 'while' loops to limit user input to valid data types



Project managment of designing and making the **Roulette App**

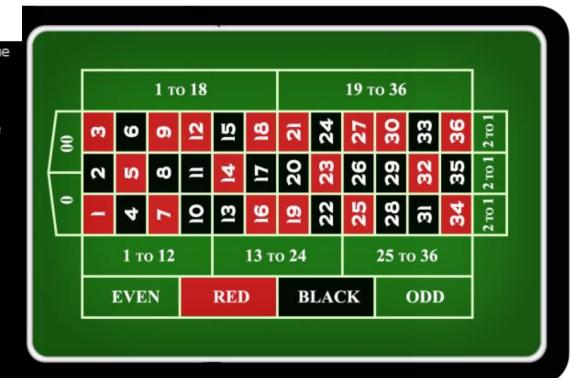
> 48 hours from 5 Mar - 6 Mar 10:00pm





Below are the types of bets you can make

- 1) Red or Black
- Odd or Even
- 1-18
- 19-36
- 1st Dozen (1-12)
- 2nd Dozen (13-24)
- 3rd Dozen (25-36)
- Column 1
- Column 2
- 10) Column 3
- 11) Single number



What type of bet would you like to make? Please select from the numbers above:

IPlaying the Roulette App Game!

jo@DESKTOP-S0IUGT4: ~/PROJECTS/Rou_test

You have selected a 'Red or Black' type bet

You currently have 100.0

How much would you like to bet?

jo@DESKTOP-S0IUGT4: ~/PROJECTS/Rou_test

You have selected a 'Red or Black' type bet

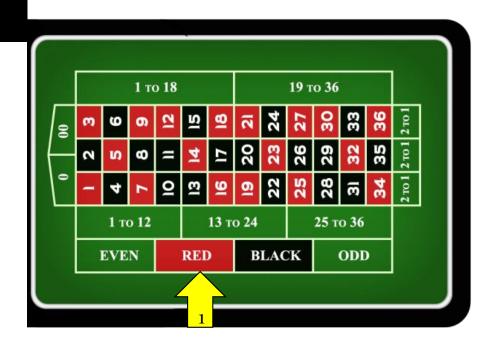
You currently have 100.0

How much would you like to bet?

You're betting \$1.0

What color would you like to bet on?

Enter '1' for Red or '2' for Black





the ball landed on 34, Red Congratulations!!! You won \$1.0 your purse is now \$101.0 Would you like to play again? 'yes' = y , 'Exit' = any other key

Gaming addiction count limit set at 10 PLAYS!

Number

Merge & Center •

Alianment

✓ Format Painter

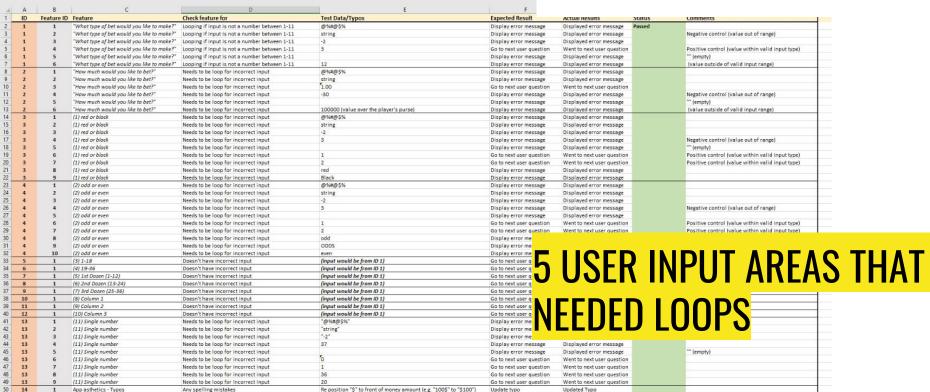
Clipboard

D64

Font

Any spelling mistakes

Manual Testing done with an excel spreadsheet, over all user input possibilities.



Future development of the Roulette App

Adding:

 More user experience aesthetics (i.e. gems to highlight when the game has been won or loss.)

- Username (and password) for users
- Make it a multiplayer game
- An animation of a spin before the randomised number is displayed
- Add an AGE LIMIT restriction similar to casinos (only person over 16yr) to prevention of developing bad addictive gambling habits







SEEK assistance through this hotline (1800 858 858) if you have an addiction problem!!

Thank you for listening!