Olivares Enthusiasts

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Project Overview

- What's the game? Pegs and Dice
 - Turn Based Dice Game
- Main Features
 - Rolling
 - Moving pieces
 - Comboing
 - Choosing a combo
 - Re-rolling and comboing again
- Assumptions
 - The player knows how to do basic math
- Limitations
 - o Comboing, you can't combo every dice

Game Description

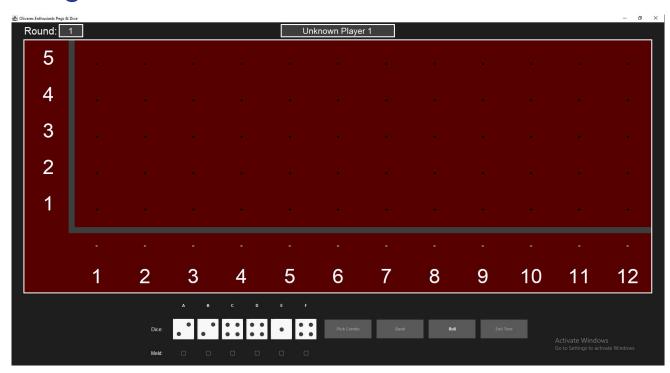
- Where did it come from? Good question!
- What are the rules of the game:
 - Every player gets a board, pegs, and six dice
 - Current player rolls dice and picks a combo
 - Move pegs in accordance with the combo.
 - Turn ends when the player "Farkles"
 - Players will play until a player's top row is filled, that player is declared the winner.
- What does it look like?



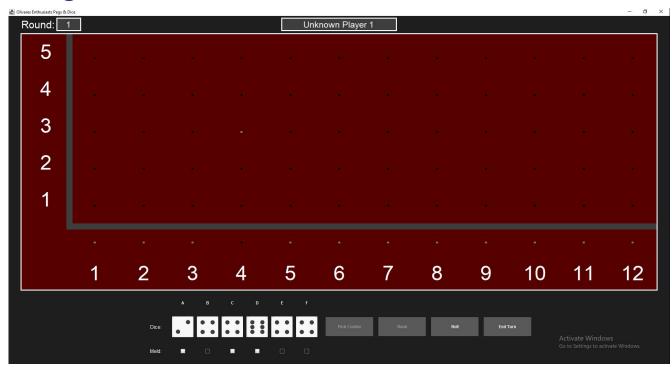
- Starting Screen
- Multiplayer
- Singleplayer



- Starting Screen
- You have names

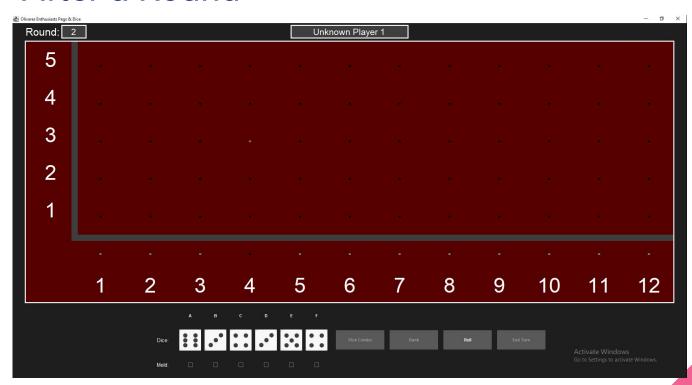


- Before round starts
- Disabled buttons



In this instance, we chose the dice with the values of 4

After a Round



- Round Count Updated
- Disabled Buttons

Project Requirements

Functional

- A player must be able to simulate a dice roll and be able to choose a combination or number based on their inputs.
- A player must be able to see a live representation of their current board state and be able to see which pegs moved.
- A player must be able to reroll unused dice to try to create additional combinations with the same sum as their initial combo. If a player uses all of their dice of fills a column entirely, they should get a new set of dice and continue their turn with a new combination.

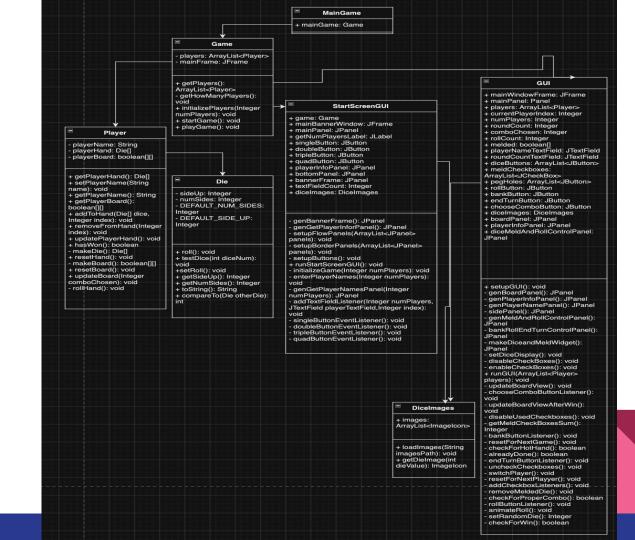
Non-functional

- A player should know exactly when a button is pressed from visual feedback
- A player should be able to see the results of their input in under 5 seconds of system loading.
- A player should be able to visibly read all text on the screen no matter their screen resolution.

Project Solution Approach

- What are the major components in your solution design?
 - Technical Board (Player Board)
 - Board View
 - Player hand
 - Chosen Combo
- What game/ui features did you really identify and work towards in your take on your game?
 - Have a round counter
 - Have great user feedback
 - Dice rolling
 - Disabled buttons
 - Name changes
 - Keep it simple!

UML Design



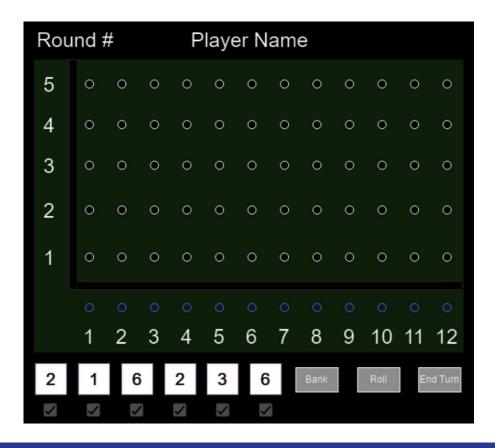
Team Collaboration Approaches

- How did we communicate?
 - Communication
 - Text and Group Meetings
 - o Git
 - Git branches
 - Pull Requests
 - Code Reviews
 - Lessons Learned
 - Working with a team can be hard
 - It's impossible to know what people are thinking
 - Mainly Individual Coding
 - Communication about overall project design

Testing, Validation, and Acceptance Plan

- What testing approaches did you use?
 - Unit Tests
 - User Tests
 - Friend who created the game, and other people who were interested in the project that we were building
- What's the #1 way you'll be able to say "Our project is deliverable"?
 - o It works!
 - We got to all our requirements from our initial report
 - Nearly nailed the UI

Our sketch



- Basically the same
- Button addition

Live Demo Time!

Summary

- We learned a lot
 - Don't expect to just hop into the code and start working
 - There's always a learning curve
 - Good documentation is very important
 - Comments!
 - Variable and Function names
 - Reading others code can be challenging without it
 - Communication is key!
 - Don't work on the same thing