

Diamond Game Pygame Implementation using GenAI

Group 9

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Introduction

- Diamonds is a 2 or 3 player card game with 13 rounds
- Use of GenAI to code in PyGame and learn Pygame
- Reflections on the conversations with GenAI
- GenAI used - ChatGPT, Gemini

Approaches

- All steps, initial strategy code given
- Gave just the rules of the game
- Gave initial strategy code and highlighted important rules

Demo

Challenges

- Full text GUI initially
- Surface, Rect methods confusion
- Transition, Delay issues
- Debugging (Strategies messed up)
- Infinite looping of the code
- Determining positions for images
- Colour scheme issue

Learnings

- Documentation reference important
- Learnt the basics of PyGame
- Give major inputs all at once
- Explain errors in detail
- Give example codes when needed

Future Scope

- Use of gifs, animations, transitions
- Better strategies
- Increase readability
- Reduce redundancy
- 3 Player implementation