

Project Description

Group Name: Five Guys

Team Members:

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App Name:

The Quarto App

App description:

An app version of the game Quarto, in which players place pieces on a four-by-four board. These virtual pieces can have any combination of the following four qualities:

- 1) tall or short pieces
- 2) colored or oppositely colored pieces
- 3) square or circular pieces
- 4) hollow-topped or solid-topped pieces

This app will virtually render the following qualities, as well as allow two players to follow the basic rules of the game. The two players will take turns placing pieces until one of them places a piece such that it completes a row of four pieces with a common quality. This could take the form of a row of four pieces all being tall, hollow-topped, or square, etc.

Like Quarto in real life, the Quarto app has a set of pieces for both players such that both players may use any of the possible pieces with no limitations on qualities for a particular player. In addition, the players cannot select their own pieces to place, it is their opponent who chooses which piece the player may place.

The Quarto app will allow certain variations in rules to suit the player, one of the most common being the winning set of qualities of pieces being in a two-by-two square instead of a line of four.