

Team Members:

1. Dishant (ddesle3)
2. Jash (jpate308)

Project Overview: The project involved developing a Baccarat game using JavaFX. The game has several components including game logic, user interface, card dealing, and betting systems. Both team members contributed significantly to the project's development.

Collaboration Breakdown:

Dishant's Contributions:

1. Initial Design & Setup: - Set up the JavaFX project structure. - Created the basic window setup for the game.
2. Game Logic: - Implemented the primary game logic functions in `BaccaratGameLogic`` class. - Handled conditions for natural wins, and checks for player/banker draws.
3. User Interface: - Developed the `startScreen`` method to display a welcome screen. - Integrated card displays to update during the game's progression.
4. Error Handling: - Implemented bet validation to ensure the user enters a valid amount and makes a selection. - Managed scenarios where the deck runs out of cards.

Jash's Contributions:

1. Card Dealing System: - Designed and implemented the `BaccaratDealer`` class. - Handled card shuffling, burning cards, and dealing hands.
2. Game Animations: - Implemented the delay system using `PauseTransition`` to simulate real-time card dealing and reveals.
3. Betting System: - Designed the betting UI including radio buttons and bet input. - Handled bet calculation, including the banker's commission deduction.

4. Menu & Game Options: - Developed the top menu bar with game options. - Implemented the "Fresh Start" feature to reset the game.

Additional Collaborations:

1. Bug Fixing & Testing: - Both members actively engaged in fixing bugs and testing the game to ensure a smooth player experience.

2. Code Review: - Mutual code review sessions were held, where each member reviewed the other's code, suggested improvements, and ensured consistency in coding style.

3. Optimization: - Discussions were held to optimize certain functions and to ensure the game ran efficiently.

4. UI/UX Feedback: - Collaborated on refining the user interface and improving the overall user experience.

Conclusion:

We both actively collaborated and made significant contributions to the project. Regular meetings were held to discuss progress, issues, and future steps. The project was successfully completed through mutual efforts, understanding, and dedication.