-suitVal: int -suitText: String -rankVal: int -rankText: String -cardSuit: Suit -cardRank: Rank -cardIndex: int -Suit (suitVal:int , suitText: String) +printSuit(): String +getSuitVal(): int -Rank(rankVal: int, rankText: String) +printRank(): String

+getRankVal(): int
-Card()
+getCardSuit(): Suit
+setCardSuit(cardSuit: Suit): void

+setCardRank(cardRank: Rank): void

+getCardIndex(): int

+getCardRank(): Rank

+setCardIndex(cardIndex: int): void

+populate(): List<Card>

+shuffleCards(cards:List<Card>): void

+isBiggerThan(c: Card): boolean

+toString(): String

GameDemo

-window: Stage-scene: Scene-pane: BorderPane

+main(args: String): void

+start(primaryStage: Stage): void

Player

-name: String

-id: int

-point: int

+Player(id: int)

+getName(): String

+setName(name: String): void

+getId(): int

+setId(id: int): void

+getPoint(): int

+setPoint(point: int): void

+compareScore(p: Player): int

+toString(): String

CardGame

-deck: List<Card>
-Players: List<Player>

-playerCardsMap: Map<Player, List<Card>>

-numOfPlayer: int -cardLimit: int

-curPlayerIndex: int -hasWinner: boolean

-largestCard: Card
-curPlayer: Player
-curCard: Card

-cover: Image

-winningPlayer: Player

+CardGame()

+getPlayers(): List<Player>

+setNumOfPlayer(numOfPlayer: int): void

+setCardLimit(cardLimit: int): void

-createMultiplePlayer(numOfPlayer: int): void+distributeCards(Players: List<Player>): void

-getNextPlayer(): Player

+mainMenu(pane: BorderPane): void

-insertNumOfPlayer(pane: BorderPane): void

-gameStart(pane: BorderPane): void

-playerSelection(pane: BorderPane): void

-roundEnd(pane: BorderPane): void

-displayWinner(pane: BorderPane): void