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| --- | --- |
| Class | Hand |
| Attributes | - hand: ArrayList<Card> |
| Methods | + addCard(card: Card)  + discardCard(discardedCard: Card)  + getHand(): ArrayList<Card>  + get(selectedCardIndex: int): Card |

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| --- | --- |
| Class | Rules |
| Attributes | - rules: String |
| Methods | - readRules(): String  + getRules(): String  +isPlayable(card: Card, player: Player): Boolean |

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| --- | --- |
| Class | Stack |
| Attributes | - stack: ArrayList<Card>  - randomNumbers: SecureRandom |
| Methods | + Stack()  + initializeTestStack(): void  + initializeStack(): void  + getStackSize(): Int  + shuffle(): void  + drawTopCard(): Card  + addDiscardedCard(discardedCard: Card): void  + get(i: int): Card  + clear(): void  + getStack(): ArrayList<Card> |

|  |  |
| --- | --- |
| Class | Card |
| Attributes | -type: String  -value: String  -pos\_values: String[]  -amount: int[] |
| Methods | + Card(type: String, String value): String  + getType(): String  + getValue(): String  + toString(): String  + getCardName: String  + getPossibleValues(): String[]  + getAmounts(): int[]  + validateValue(value: String): Boolean  + getRequirements(): String[]  + getConsequences(): String[] |

|  |  |
| --- | --- |
| Class | Player |
| Attributes | -name: String  -onBikeStatus: Boolean  -bulliedStatus: Boolean  -playerTable: PlayerTable  -kmProgress: int  -bulliedType: String  -hand: Hand |
| Methods | +Player(name: String)  +changeName(name: String): void  +getName(): String  +getOnBikeStatus(): Boolean  +setOnBikeStatus(onBikeStatus: Boolean): void  +getBulliedStatus(): Boolean  +setBulliedStatus(bulliedStatus: Boolean): void  +getHasWind(): Boolean  +setHasWind(hasWind: Boolean): void  +playerProgress(value: String): void  +getPlayedCards(): PlayerTable  +getKmProgress(): int  +getBulliedType(): String  +setBulliedType(bulliedType: String): void  +getStatuses(): String[]  +setConsequences(consequences: String[]): void  +drawCard(card: Card): void  +getHand(): ArrayList<Card>  +getCard(selectedCardIndex: int): Card  +discardCard(card: Card) void  +addToTable(selectedCard: Card): void  +setKmProgress(i: int): void |