UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA
Escuela de Ingeniería Informática

Alumna: María Elena Navarro Santana

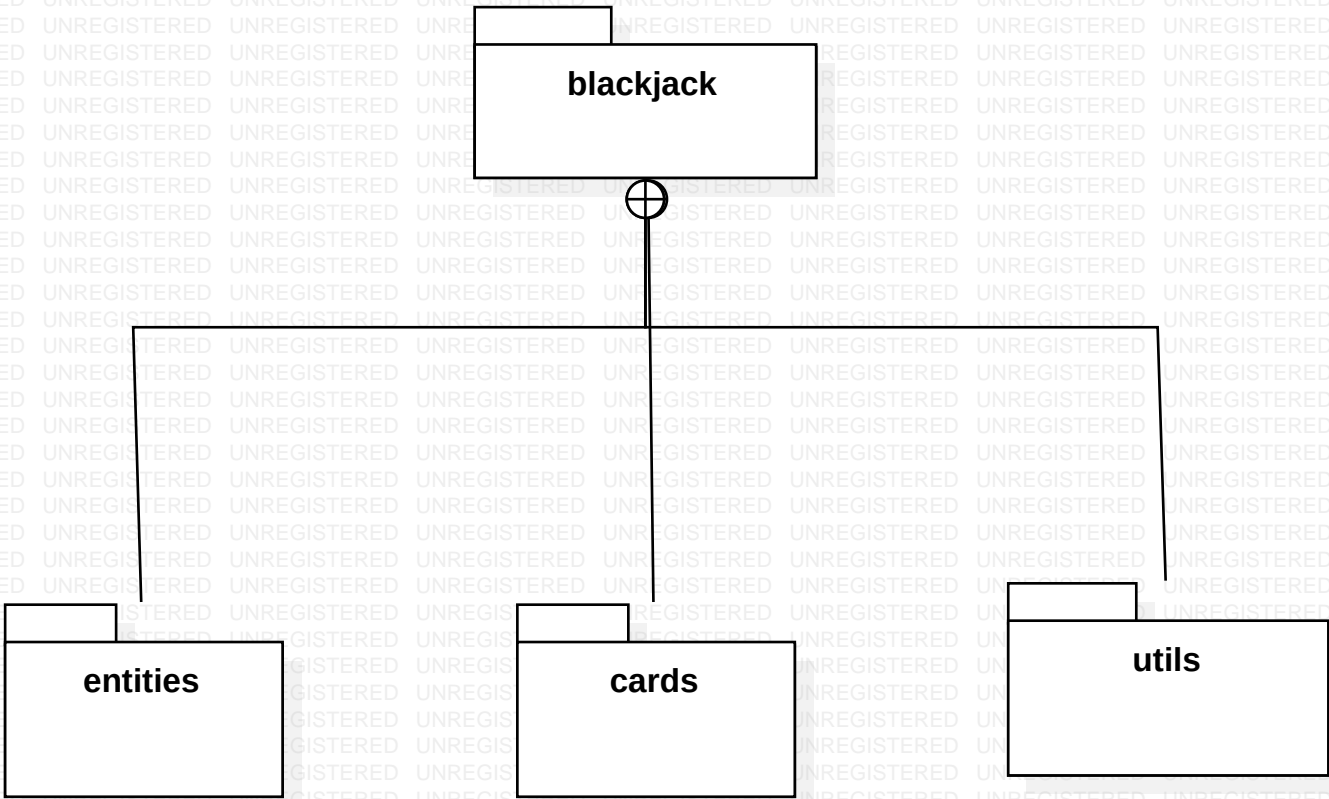**DNI:** 44748505G

Curso: 3º de Ingeniería Informática

Asignatura: Ingeniería del Software II

BlackJack

Repositorio de Github: https://github.com/ElenaaNavarroo/BlackJackTDD

src::Diagrama de paquetes

blackjack

entities

cards

utils

src::blackjack::cards::cards

Card

+getValue()

Ace

+Ace(): Ace

Pip

+Pip(Value: int): Pip

Jack

+Jack(): Jack

Queen

+Queen(): Queen

King

+King(): King
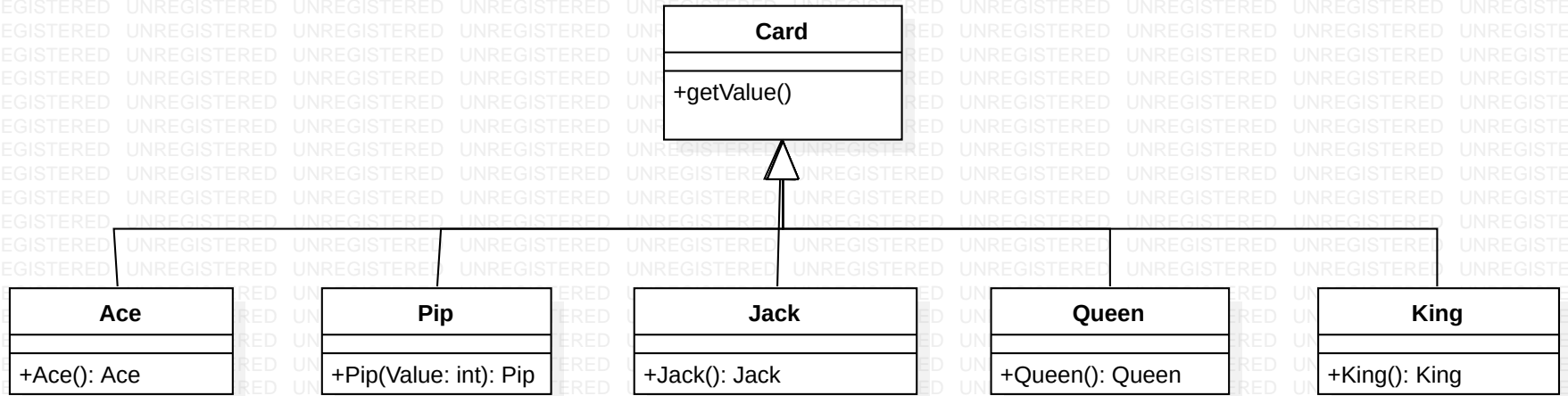
src::blackjack::entities::entities

```
                    +hand        +1          ┌─────────────────────────┐      +remainingCards
                ┌─────────────────────────>  │       ArrayList         │ <─────────────────
                │                             ├─────────────────────────┤
                │                             ├─────────────────────────┤      +1
                │                             └─────────────────────────┘
                │                                    ▲
                │                              +hand │ +1
                │                                    │
                │                                    │ +1
           +1   │                                    │                                    +1
    ┌──────────────────────┐      ┌──────────────────────────┐      ┌────────────────────────────────────────┐
    │       Player         │      │        Croupier          │      │                 Deck                   │
    ├──────────────────────┤      ├──────────────────────────┤      ├────────────────────────────────────────┤
    ├──────────────────────┤      ├──────────────────────────┤      ├────────────────────────────────────────┤
    │ +addCardToHand(card: Card) │ │ +addCardToHand(card: Card) │   │ +addRemainingCard(card: Card)          │
    │ +getHand(): ArrayList<Card>│ │ +getHand(): ArrayList<Card>│   │ +getRemainingCards(): ArrayList<Card>  │
    └──────────────────────┘      └──────────────────────────┘      └────────────────────────────────────────┘
```
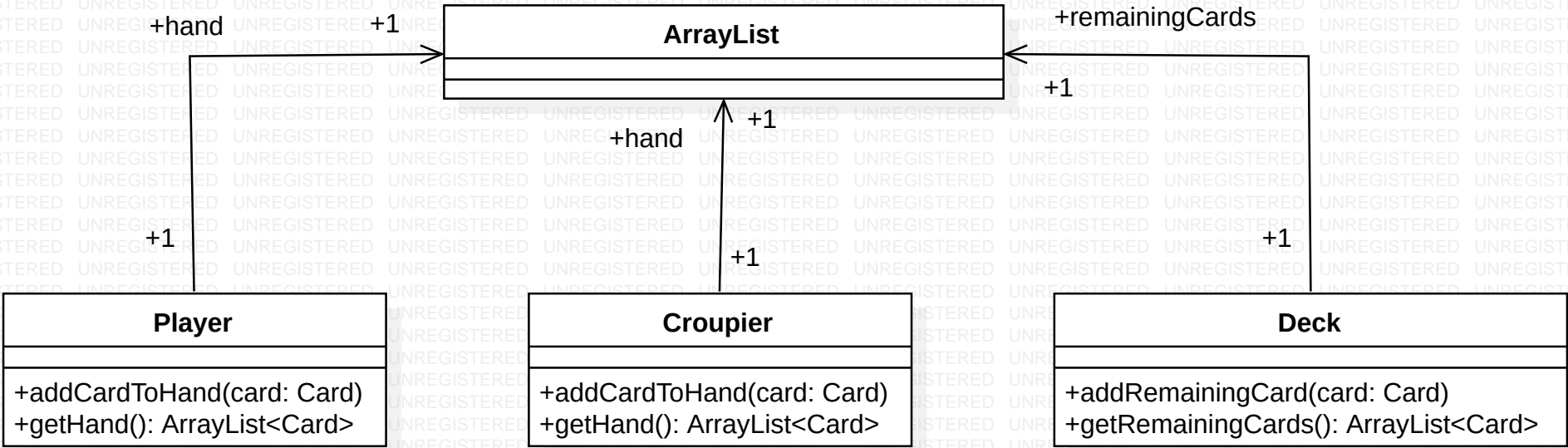
src::blackjack::utils::utils

gameMethods
+getWinners(player1Hand: ArrayList, player2Hand: ArrayList, player3Hand: ArrayList, croupierCards: ArrayList, remainingCardsInDeck: ArrayList): ArrayList +calculateScore(hand: ArrayList): int -isBlackjack(hand: ArrayList): boolean -croupierHandAfterDrawingCards(croupierHand: ArrayList, remainingInDeck: ArrayList): ArrayList