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| Class Name: Card | |
| Responsibilities:  Check Two Card Equal  Is Action Card  Is Supporter  Is Maiden  Is Ivanhoe  Display Information of Card | Collaborators: |

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| Class Name: Deck | |
| Responsibilities:  Initialize the Deck  Add Multiple Same Cards to Deck  Add Single Card to Deck  Remove Given Card from Deck  Shuffle the Deck  Check If Empty Deck  Clear the Deck  Check If Contain Card  Copy Cards from Different Deck | Collaborators:  Card  Card  Card  Card  Card  Card  Card  Card  Card |

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| Class Name: Display | |
| Responsibilities:  Increase Number of Card Played  Reset Number of Card Played  Check If Display is Empty  Check Display for Purple Card  Check Display for Value Card  Check Display for Support Card  Check Display for Shield  Check Display for Stunned  Add Card to Display  Remove Card from Display  Check Display for Maiden Card  Update Display with Status  Is Tournament green  Does Display has Shield  Does Display has Stunned  Display Information of Display | Collaborators:  Card  Card  Card  Card  Card  Card  Card  Card  Card |

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| Class Name: Hand | |
| Responsibilities:  Check If Only Last Card in Hand  Add Card to Hand  Play Card from Hand  Check If Only Action Cards in Hand  Check If Ivanhoe is in Hand  Check If Maiden is in Hand  Display Information of Hand | Collaborators:  Card  Card  Card  Card  Card  Card  Card |

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| Class Name: Player | |
| Responsibilities:  Withdraw Player  Clear the Display  Check If Has Token  Give Token to Player  Add Card to Display  Add Card to Hand  Check If Player is Withdrawn  Display Information of Player | Collaborators:  Display  Tokens, Token  Tokens, Token  Display, Card  Hand, Card  Tokens, Hand, Display |

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| Class Name: Token | |
| Responsibilities:  Display Information of Token | Collaborators: |

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| Class Name: Tokens | |
| Responsibilities:  Add Token to Tokens  Remove Token from Tokens  Check if Tokens Contain Token  Clean Tokens  Check if Tokens Has Four Unique Token  Check if Tokens Has All Token  Display Information of Tokens | Collaborators:  Token  Token  Token  Token  Token  Token  Token |

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| Class Name: Ivanhoe | |
| Responsibilities:  Initialize the Ivanhoe Game  Initialize the Hand of all players  Initialize the Player Orders  Select the First Player  Setup the Game of Ivanhoe  Deal Card to Current Player  Select Tournament Color  Check If Player Play or Withdraw  Check Which Token to Remove  Check If There is A Winner  Play A Card  Check If Player Play Ivanhoe  Change Tournament Color  End Turn  Win Purple Tournament  Process Message  Update Current Player to Next Player  Discard Display from All Players  Check If Player Total is Highest  Player Play Card  Update State  Update Tournament Color  Add Player  Remove Player | Collaborators:  Player, Deck  Player, Deck, Card  Player  Player  Player, Deck, Card  Player, Deck, Card  Player, Message, Display  Player, Message, Tokens, Token, Deck, Display, Card  Player, Message, Tokens, Token  Player, Message, Tokens, Token, Deck, Display, Card  Player, Message, Deck, Hand, Display, Card  Player, Message, Deck, Hand, Card  Player, Message, Deck, Card  Player, Message, Deck, Hand, Display, Card  Player, Message, Tokens, Token  Player, Message, Tokens, Token, Deck, Hand, Display, Card  Player, Display, Card  Player, Display  Player, Hand, Display, Card  Player, Display  Player  Player |

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| Class Name: ClientIvanhoe | |
| Responsibilities:  Create New GUI Client for Ivanhoe | Collaborators:  ClientPanel |

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| Class Name: ServerIvanhoe | |
| Responsibilities:  Create New GUI Server for Ivanhoe | Collaborators:  HostPanel, AppServer |

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| Class Name: AppClient | |
| Responsibilities:  Initialize Client Network | Collaborators:  ClientPanel, Message, ClientThread |

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| Class Name: AppServer | |
| Responsibilities:  Initialize Server Network | Collaborators:  HostPnael, Message, Ivanhoe, Player, ServerThread |

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| Class Name: ClientThread | |
| Responsibilities:  Initialize Client Thread | Collaborators:  AppClient |

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| Class Name: ServerThread | |
| Responsibilities:  Initialize Server Thread | Collaborators:  AppServer |

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| Class Name: Message | |
| Responsibilities:  Initialize Header and Body | Collaborators:  Header, Body |
| Class Name: Header | |
| Responsibilities:  Initialize Header | Collaborators: |

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| Class Name: Body | |
| Responsibilities:  Initialize Body | Collaborators: |