Name: Nolawee Mengist

Project: Blackjack!

Requirements:

ID	Requirement
UR-006	As a player, I play against a CPU dealer
UR-011	As a player, I can win the bet if I get “21”
UR-012	As a player, I lose the bet if I “bust” over 21.
UR-013	As a player, I can play through as many rounds as I want.

Use Case Document(s):

UR-006	As a player, I play against a CPU dealer
Actors	Players
Pre-conditions	Player hasn’t started a game
Post-conditions	Player has started a game
Frequency of Use	During every game
Flow of Events	*See table below*
Variations	
Exceptions	
Developer Notes	

Flow of Events Table

	Actor Action	System Response
1	Player Starts a game	Player get’s paired with cpu dealer
2	Player begins to play	

UR-011	As a player, I can win the bet if I get “21”
Actors	Players
Pre-conditions	Winner hits and gets a hand that equals 21

Post-conditions	Player gets to choose whether to play a new round or not
Frequency of Use	at most once a game
Flow of Events	*in table below*
Variations	
Exceptions	
Developer Notes	

Flow of Events Table

	Actor Action	System Response
1	Player won	Prompts user to start new game
2	User decides to play again or not	Starts new game or exit app

UR-012	As a player, I lose the bet if I “bust” over 21.
Actors	Players
Pre-conditions	Player hits or doubles and gets a hand that’s over 21
Post-conditions	Player gets prompted to start a new round or quit
Frequency of Use	at most once a game
Flow of Events	*in table below*
Variations	
Exceptions	
Developer Notes	

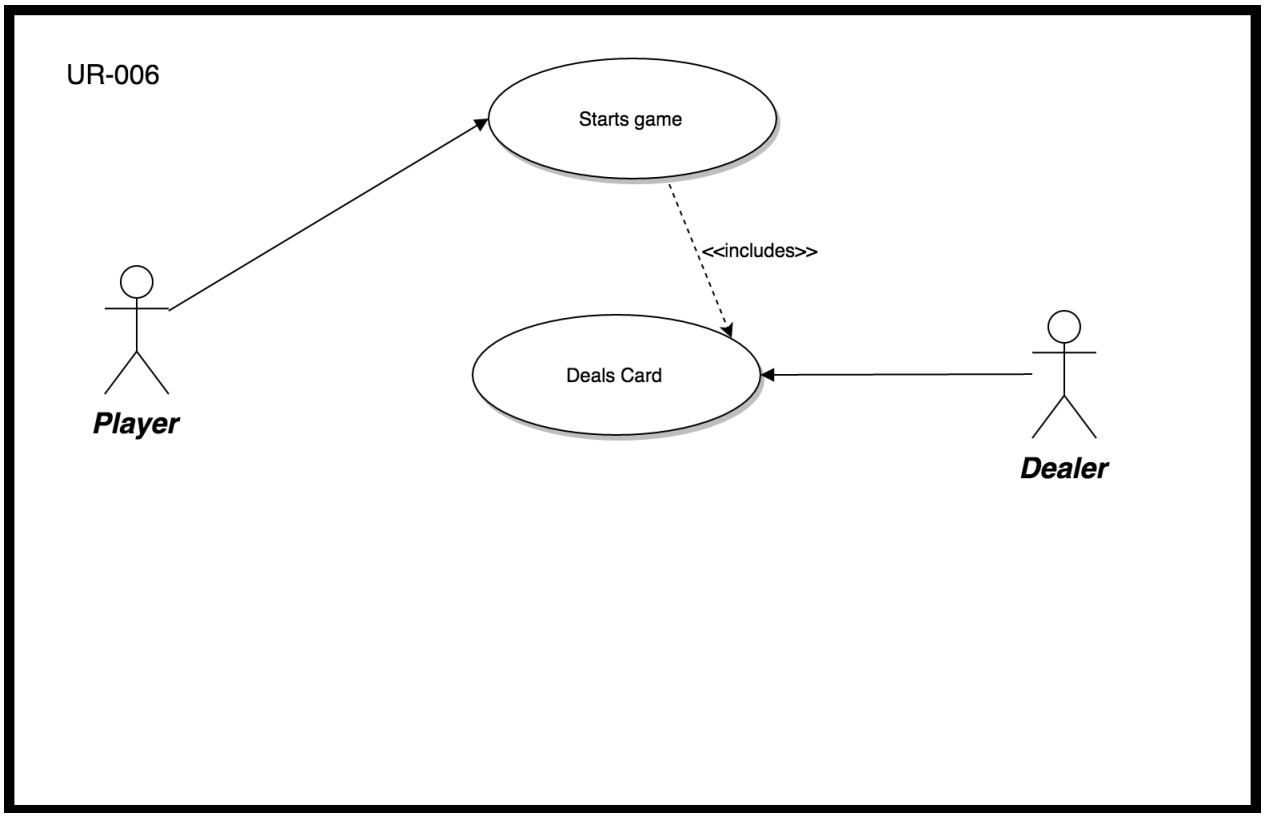
Flow of Events Table

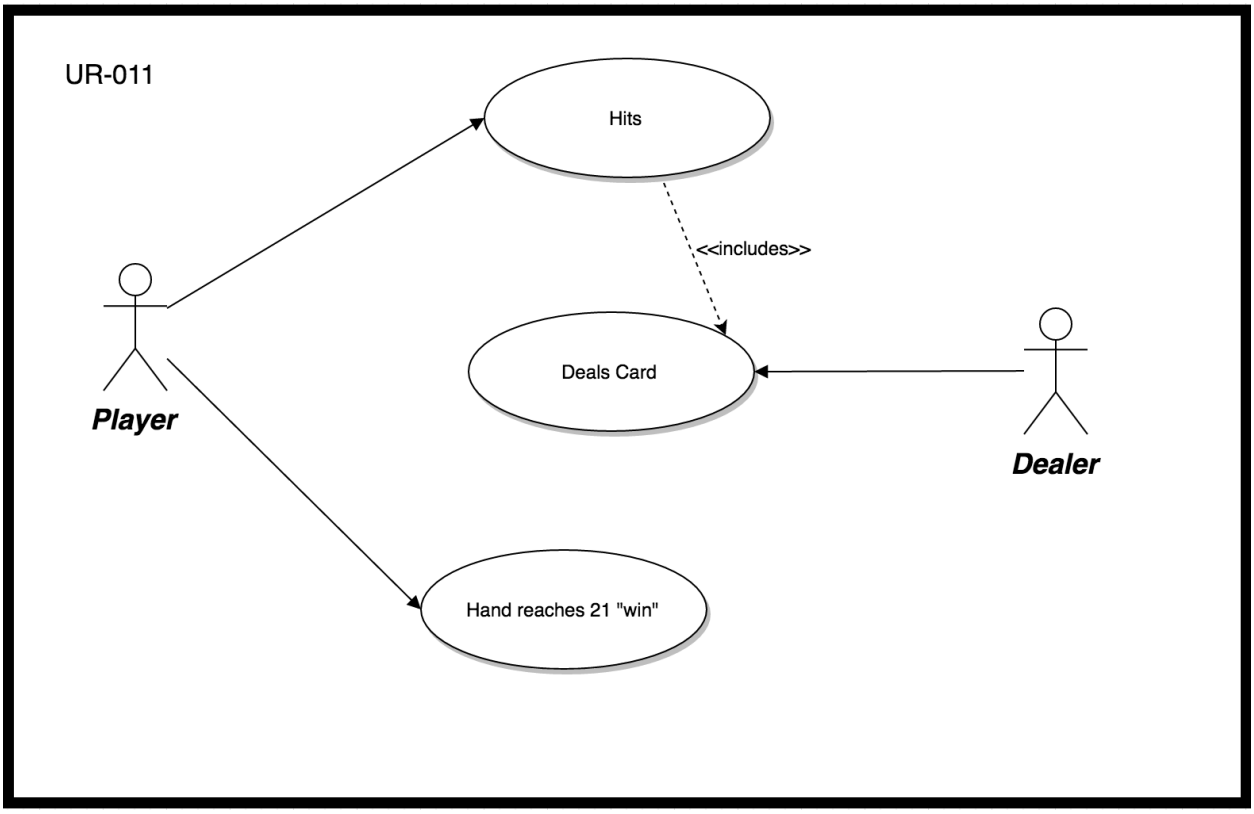
	Actor Action	System Response
1	Player lost	Prompts user to start new game
2	User decides to play again or not	Starts new game or exit app

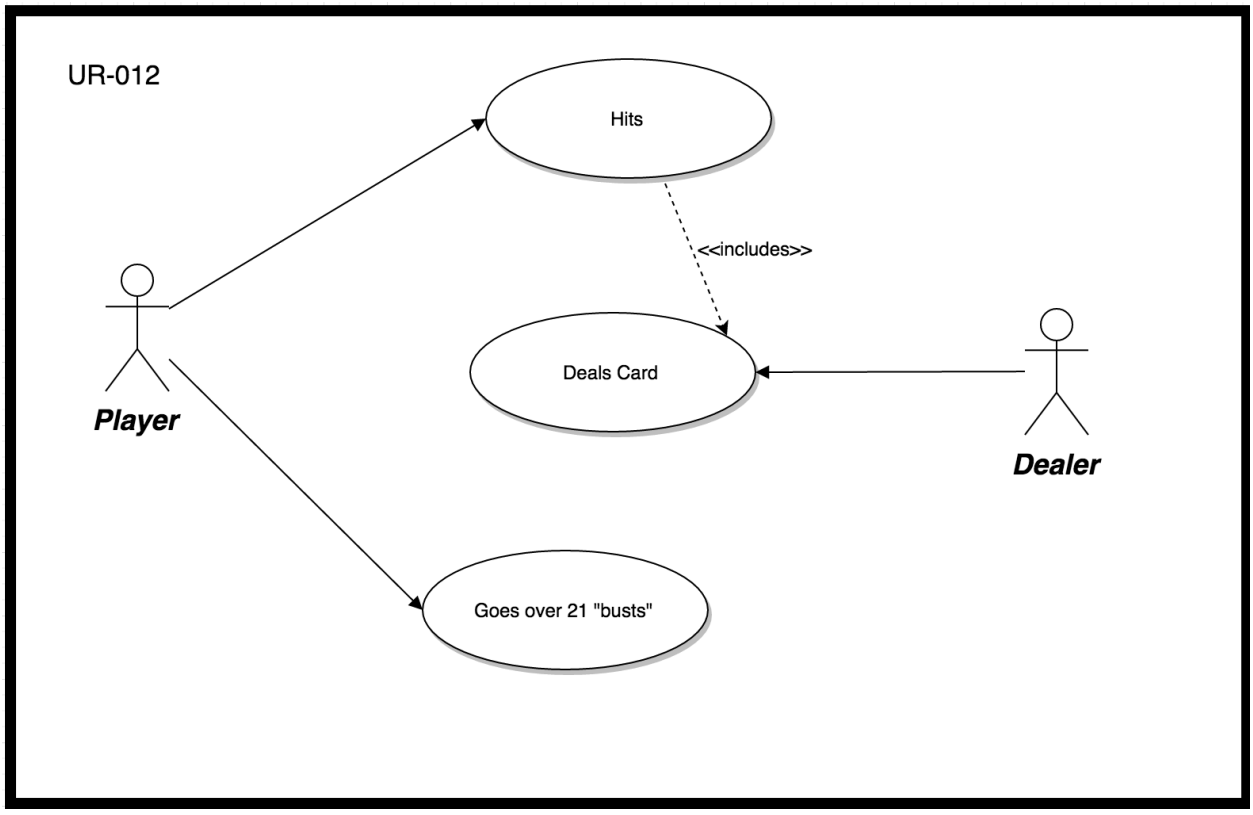
UR-013	As a player, I can play through as many rounds as I want.
Actors	
Pre-conditions	Round just ended
Post-conditions	Start new round
Frequency of Use	at least once a round
Flow of Events	*in table below*
Variations	Continue an unfinished round
Exceptions	When user quits the game?
Developer Notes	

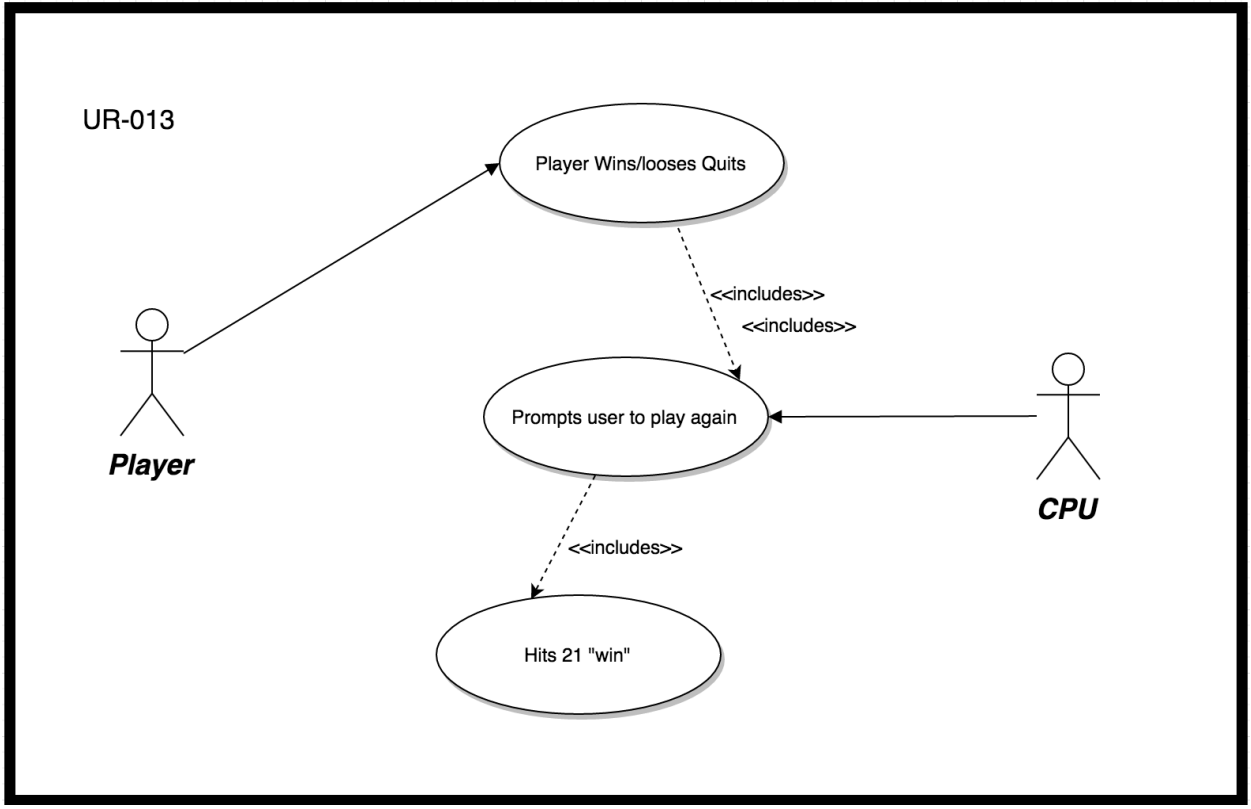
Flow of Events Table

	Actor Action	System Response
1	Game ended (win, quit or loose)	Ask user to play again
2	User agrees	Starts new round

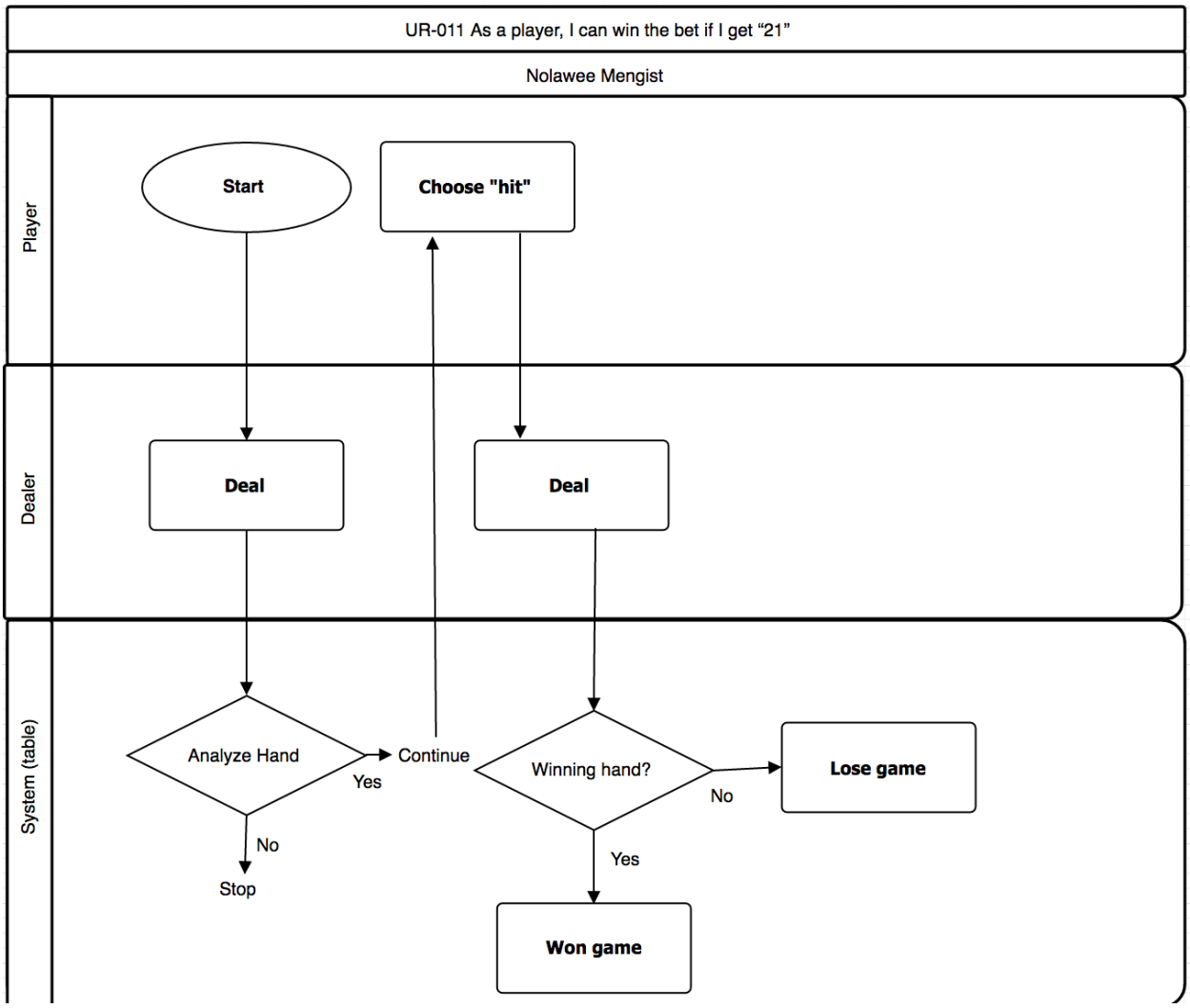
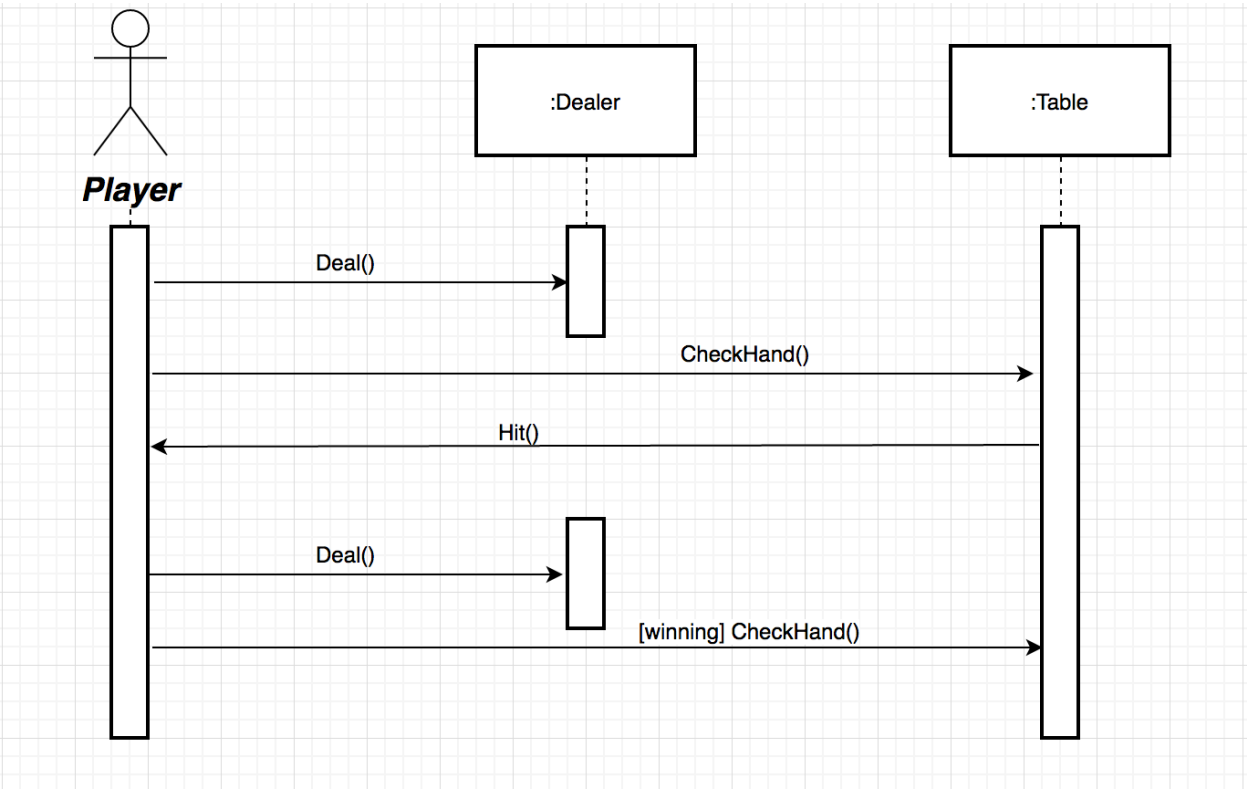



UR-011
Hits
<<includes>>
Deals Card
Player
Dealer
Hand reaches 21 "win"


UR-012
Hits
<<includes>>
Deals Card
Player
Dealer
Goes over 21 "busts"



Activity Diagram:



User Interactions: