## [COMPSCI3307F2019TEAM37-19] As a user, I want to know the rank of my hand. Created: 29/Oct/19  Updated: 29/Oct/19  Resolved: 29/Oct/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Low |
| **Reporter:** | Riley Black | **Assignee:** | Riley Black |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | Required | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| | |
|---|---|
| **Story Points:** | 4 |

**Description**

incorrect hand rank returned (fail)

correct hand rank returned (pass)

# [COMPSCI3307F2019TEAM37-18] As a user I would like to input how much I want to bet. Created: 29/Oct/19  Updated: 29/Oct/19  Resolved: 29/Oct/19

| Status: | Done |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Done | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 5 |
|---|---|

## Description

User inputs more credits than what is in their balance (fail)

User bets nothing (fail)

User bets an amount of credits <= their balance  and credits > 0 (pass)

## [COMPSCI3307F2019TEAM37-17] As a user I want to quit and end the current session. Created: 29/Oct/19  Updated: 29/Oct/19  Resolved: 29/Oct/19

| Status: | Done |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Done | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 5 |
|---|---|

### Description

requesting logout does not cause logout (fail)

requesting logout does cause logout (pass)

requesting continue does cause logout (fail)

requesting continue does not cause logout (pass)

not specifying continue or logout (fail)

# [COMPSCI3307F2019TEAM37-16] As a user, I want to enter the amount of money that I want to begin the game with. Created: 29/Oct/19  Updated: 29/Oct/19  Resolved: 29/Oct/19

| Status: | Done |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Riley Black |
| Resolution: | Done | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 3 |
|---|---|

## Description

-enter an amount of 0 (fail)

-enter a negative amount (pass)

-enter a positive integer amount (pass)

# [COMPSCI3307F2019TEAM37-15] As a user I want to get cards for my hand.

Created: 29/Oct/19  Updated: 29/Oct/19  Resolved: 29/Oct/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | High |
| **Reporter:** | Samuel Silverstein | **Assignee:** | Samuel Silverstein |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| | |
|---|---|
| **Story Points:** | 5 |

## Description

desired cards improperly are reflected in hand (fail)

desired cards are not reflected in hand (pass)

desired cards properly are reflected in hand (pass)

## [COMPSCI3307F2019TEAM37-14] As a user I want to logout of my account with saved progress. Created: 10/Oct/19 Updated: 30/Oct/19

| Status: | Backlog |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | Optional | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Issue Links: | Blocks | | | |
|---|---|---|---|---|
| | is blocked by | COMPSCI3307F2019TEAM37-3 | As a user, I want to sign into my bla... | Backlog |
| | is blocked by | COMPSCI3307F2019TEAM37-5 | As a user I want to create an account... | Backlog |
| Story Points: | 0 | | | |

### Description

Try to logout while not logged into an account (fail)

Try to logout while midway through a round (fail)

Try to logout while not in the middle of a round (pass)

### Comments

Comment by Riley Black [ 29/Oct/19 ]

(not a requirement)

## [COMPSCI3307F2019TEAM37-13] As a user, I will play out the dealer's hand.

Created: 10/Oct/19  Updated: 28/Nov/19  Resolved: 28/Nov/19

| Status: | Done |
| --- | --- |
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | High |
| --- | --- | --- | --- |
| Reporter: | Michael Giancola | Assignee: | Michael Giancola |
| Resolution: | Done | Votes: | 0 |
| Labels: | Required | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 2 |
| --- | --- |

### Description

Stand on a dealer's hand when they have 16 or lower (fail)

Hit on a dealer's hand when they have a 17 or above (fail)

Split on a dealer's hand (fail)

Double down on dealer's hand (fail)

Hit on a dealer's hand when they have 16 or lower (pass)

Stand on a dealer's hand when they have 17 or above (pass)

## [COMPSCI3307F2019TEAM37-12] As a user I want to specify the amount of card decks to be used. Created: 10/Oct/19 Updated: 30/Oct/19

| Status: | Backlog |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Michael Giancola | Assignee: | Michael Giancola |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | Wishlist | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 0 |
|---|---|

### Description

amount of decks specified is zero (fail)

amount of decks specified is negative (fail)

amount of decks specified larger than MAX_INT (fail)

amount of decks specified is not integer (fail)

amount of decks specified is integer value between 0 and MAX_INT (pass)

### Comments

Comment by Riley Black [ 29/Oct/19 ]

(wishlist)

## [COMPSCI3307F2019TEAM37-11] As a user, I want to input a bet amount on my hand. Created: 10/Oct/19 Updated: 28/Nov/19 Resolved: 28/Nov/19

| Status: | Done |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Michael Giancola | Assignee: | Michael Giancola |
| Resolution: | Done | Votes: | 0 |
| Labels: | Optional | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 4 |
|---|---|

### Description

Input a bet amount that exceeds my account balance (fail)

Input a blank bet amount (fail)

Input a bet amount of $0, no bet (pass)

Input a bet amount of a number less than or equal to account balance (pass)

**[COMPSCI3307F2019TEAM37-10] As a user, I can select the 'double down' button to indicate I want to increase my wager and have one final card dealt to my hand.** Created: 10/Oct/19  Updated: 28/Nov/19  Resolved: 28/Nov/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | High |
| **Reporter:** | Riley Black | **Assignee:** | Riley Black |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | Required | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| | |
|---|---|
| **Issue Links:** | **Blocks** |
| | blocks ~~COMPSCI3307F2019TEAM37-7~~  As a user, I want to double my bet.  Done |
| **Story Points:** | 5 |

**Description**

Select the 'double down' button when the player user has already hit (fail)

Select the 'double down' button when the player user has not already hit (pass)

**[COMPSCI3307F2019TEAM37-9] As a user, I can select the 'split' button to indicate I want to separate my current two matching cards into two individual standard hands.** Created: 10/Oct/19  Updated: 28/Nov/19

| Status: | Backlog |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Riley Black | Assignee: | Samuel Silverstein |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | Optional | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 0 |
|---|---|

**Description**

Select the 'split' button when the player user has a hand with identically numbered cards (pass)

Select the 'split' button when the player user has a hand with distinctly numbered cards (fail)

## [COMPSCI3307F2019TEAM37-8] As a user, I can select the 'stand' button to indicate I want to remain with my current hand and not be dealt another card.

Created: 10/Oct/19  Updated: 28/Nov/19  Resolved: 28/Nov/19

| Status: | Done |
| --- | --- |
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | High |
| --- | --- | --- | --- |
| Reporter: | Riley Black | Assignee: | Riley Black |
| Resolution: | Done | Votes: | 0 |
| Labels: | Required | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 5 |
| --- | --- |

### Description

Select the 'stand' button when the player user has a hand equal to 21 (pass)

Select the 'stand' button when the player user has a hand under 21 (pass)

### Comments

Comment by Michael Giancola [ 10/Oct/19 ]

We are assuming that if the player's hand is over 21, there round is finished.

# [COMPSCI3307F2019TEAM37-7] As a user, I want to double my bet. Created:
09/Oct/19  Updated: 28/Nov/19  Resolved: 28/Nov/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | High |
| **Reporter:** | Michael Giancola | **Assignee:** | Michael Giancola |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | Required | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| | | | | |
|---|---|---|---|---|
| **Issue Links:** | **Blocks** | | | |
| | is blocked by | COMPSCI3307F2019TEAM37-10 | As a user, I can select the 'double d... | Done |
| **Story Points:** | 5 | | | |

## Description

Deal no cards to my hand (fail)
Deal more than one card to my hand (fail)

Get the opportunity to make another move after dealing one card to my hand (fail)

Deal one card to my hand (pass)

# [COMPSCI3307F2019TEAM37-6] As a user, I want to deal another card to my existing hand. Created: 09/Oct/19 Updated: 28/Nov/19 Resolved: 28/Nov/19

| Status: | Done |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | High |
|---|---|---|---|
| Reporter: | Michael Giancola | Assignee: | Michael Giancola |
| Resolution: | Done | Votes: | 0 |
| Labels: | Required | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Issue Links: | Blocks | | | |
|---|---|---|---|---|
| | is blocked by | COMPSCI3307F2019TEAM37-4 | As a user, I can select the 'hit' but... | Done |
| Story Points: | 5 | | | |

## Description

Deal no cards to my hand (fail)

Deal more than one card to my hand (fail)

Deal one card to my hand (pass)

## [COMPSCI3307F2019TEAM37-5] As a user I want to create an account, to save my progress. Created: 09/Oct/19 Updated: 30/Oct/19

| Status: | Backlog |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | Optional | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Issue Links: | **Blocks** | | |
|---|---|---|---|
| | blocks COMPSCI3307F2019TEAM37-3 | As a user, I want to sign into my bla... | Backlog |
| | blocks COMPSCI3307F2019TEAM37-14 | As a user I want to logout of my acco... | Backlog |
| Story Points: | 0 | | |

### Description

Try to create an account which has already been made (fail)

Try to create an account with user input that is too long (fail)

Try to create an account which has not been made yet (pass)

### Comments

Comment by Riley Black [ 29/Oct/19 ]

(not a requirement)

## [COMPSCI3307F2019TEAM37-4] As a user, I can select the 'hit' button to indicate I want another card dealt to my hand. Created: 09/Oct/19 Updated: 28/Nov/19 Resolved: 28/Nov/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | High |
| **Reporter:** | Riley Black | **Assignee:** | Riley Black |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | Required | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| Issue Links: | **Blocks** | | |
|---|---|---|---|
| | blocks COMPSCI3307F2019TEAM37-6 | As a user, I want to deal another car... | Done |
| **Story Points:** | 5 | | |

### Description

Select the 'hit' button when the player user has a hand equal to 21 (fail)

Select the 'hit' button when the player user has a hand under 21 (pass)

### Comments

Comment by Michael Giancola [ 10/Oct/19 ]

We assume that if the player has a hand that is over 21, their round is finished.

## [COMPSCI3307F2019TEAM37-3] As a user, I want to sign into my blackjack account so that it can access my saved progress. Created: 09/Oct/19 Updated: 28/Nov/19

| Status: | Backlog |
|---|---|
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
|---|---|---|---|
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | Optional | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Issue Links: | **Blocks** | | | |
|---|---|---|---|---|
| | blocks | COMPSCI3307F2019TEAM37-14 | As a user I want to logout of my acco... | Backlog |
| | is blocked by | COMPSCI3307F2019TEAM37-5 | As a user I want to create an account... | Backlog |
| Story Points: | 0 | | | |

### Description

Try to sign in with account that has not been made yet (fail)

Try to sign in while already signed in (fail)

Try to sign into an already created account while not already signed in (pass)

### Comments

Comment by Riley Black [ 29/Oct/19 ]

(not a requirement)

## [COMPSCI3307F2019TEAM37-2] As a user I want to input my username so that the system is able to identify me. Created: 09/Oct/19  Updated: 30/Oct/19  Resolved: 29/Oct/19

| Status: | Done |
| --- | --- |
| Project: | COMPSCI 3307 - Fall 2019 - Team 37 |
| Component/s: | None |
| Affects Version/s: | None |
| Fix Version/s: | None |

| Type: | Story | Priority: | Low |
| --- | --- | --- | --- |
| Reporter: | Samuel Silverstein | Assignee: | Samuel Silverstein |
| Resolution: | Done | Votes: | 0 |
| Labels: | Required | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original Estimate: | Not Specified | | |

| Story Points: | 4 |
| --- | --- |

### Description

Try to input my username with an empty input (fail)

Try to input my username longer than 30 characters (fail)

Try to input my username with a string of any type of characters (pass)

## [COMPSCI3307F2019TEAM37-1] As a user, I want the physical cards in front of me to be reflected in my software hand. Created: 09/Oct/19  Updated: 28/Nov/19  Resolved: 28/Nov/19

| | |
|---|---|
| **Status:** | Done |
| **Project:** | COMPSCI 3307 - Fall 2019 - Team 37 |
| **Component/s:** | None |
| **Affects Version/s:** | None |
| **Fix Version/s:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Highest |
| **Reporter:** | Aaron Joshua Asner | **Assignee:** | Aaron Joshua Asner |
| **Resolution:** | Done | **Votes:** | 0 |
| **Labels:** | Required | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original Estimate:** | Not Specified | | |

| | |
|---|---|
| **Story Points:** | 10 |

### Description

-cards registered in system match cards on table in rank (pass)

-cards registered in system do not match cards on table in rank (fail)

-amount of cards registered in system match amount of cards on table (pass)

-amount of cards registered in system do not match amount of cards on table (fail)

### Comments

Comment by Aaron Joshua Asner [ 09/Oct/19 ]

'dealer' refers to your standard dealer less the role of distributing the cards

Comment by Samuel Silverstein [ 29/Oct/19 ]

- Open CV has been installed and compiled in the pi
- Currently the Pi Cam can take pictures (camera feed class is complete)
- After takes picture we have a class which renders it by:

- Removes color from photo (black and white)
- Gaussian Blur (blurrs the contours of the photo)
- Threshholding