

User Story No	1
Title	Alex and Lisa input their names
Pre-conditions	<ul style="list-style-type: none">• The Mancala game is running• The game requests to enter the players' names
Actions	<ul style="list-style-type: none">• Alex types "Alex" in the input box and presses 'OK' button• Lisa types "Lisa" in the input box and presses 'OK' button
Post-conditions	<ul style="list-style-type: none">• The game saves the name• The active game board is displayed

User Story No	2
Title	Displaying the Mancala game rules
Pre-conditions	<ul style="list-style-type: none">• The Mancala game is running• Lisa has input her name
Actions	<ul style="list-style-type: none">• The game rules are being displaying in the screen
Post-conditions	<ul style="list-style-type: none">• A button 'OK' is displayed at the bottom of the screen• After pressing the 'OK' button, the game will be started

User Story No	3
Title	Initializing Mancala board
Pre-conditions	<ul style="list-style-type: none">• The Mancala game rules were displayed
Actions	<ul style="list-style-type: none">• Alex presses the 'OK' button

Post-conditions	<ul style="list-style-type: none">• Each of the cups contains four stones• Mancalas are empty
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User Story No	4
Title	Alex starts the game and scores no point
Pre-conditions	<ul style="list-style-type: none">• The game is running• Alex has been selected to start the first move• Each of Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain four stones• Alex's Mancala is empty
Actions	<ul style="list-style-type: none">• Alex grabs all the four stones from his 1st cup and places each stone in 2nd,3rd,4th and 5th cup
Post-conditions	<ul style="list-style-type: none">• Alex's 1st cup is empty• There are five stones in 2nd, 3rd,4th and 5th cups each.• 6th cup has four stones.• Alex's Mancala is empty• Now it is Lisa's turn

User Story No	5
Title	Lisa scores one point
Pre-conditions	<ul style="list-style-type: none">• The game is running• Alex has completed his move• Now, its Lisa's turn• Each of Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contains four stones• Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,5,5,5,5,4 stones respectively• Lisa's Mancala is empty

Actions	<ul style="list-style-type: none"> • Lisa grabs all the four stones from her 4th cup and places each stone in 5th, 6th cup and one in her Mancala; • Lisa places the last stone in Alex's 1st cup.
Post-conditions	<ul style="list-style-type: none"> • Each of Lisa's 1st,2nd, 3rd, 5th and 6th cup contains 4,4,4,5,5 respectively • Lisa's 4th cup is empty • Lisa's Mancala contains 1 stone • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 1,5,5,5,5,4 stones respectively • Now it's Alex's turn

User Story No	6
Title	Alex completes a normal move and gets another extra move
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Alex's turn • Each of Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contains 1,2,1,2,3 and 1 stone(s) respectively • Alex's Mancala contains 5 stones
Actions	<ul style="list-style-type: none"> • Alex grabs the only one stone from his 6th cup and places it in his Mancala
Post-conditions	<ul style="list-style-type: none"> • Alex's 6th cup is empty • Each of Alex's 1st,2nd, 3rd,4th, 5th cup contains 1,2,1,2,3 stones respectively • Alex's Mancala contains 6 stones • Now it's Alex's turn again

User Story No	7
Title	Lisa completes a normal move and captures a cup of stones of Alex
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Lisa's turn • Each of Lisa's 1st,2nd, 3rd,4th, 5th cup contains 5,1,2,1,2 stones respectively • Lisa's 6th cup is empty

	<ul style="list-style-type: none"> • Alex's 6th cup (from the left) contains 3 stones • Lisa's Mancala has 4 stones
Actions	<ul style="list-style-type: none"> • Lisa grabs 5 stones from her 1st cup and places each stone in her 2nd,3rd,4th,5th and 6th cups
Post-conditions	<ul style="list-style-type: none"> • Each of Lisa's 2nd, 3rd,4th, 5th cup contains 2,3,2,3 stones respectively • Lisa's 1st and 6th cup are empty • Alex's 6th cup is empty • Lisa's Mancala has 8 stones • Now it's Alex's turn

User Story No	8
Title	Alex is now playing an extra move
Pre-conditions	<ul style="list-style-type: none"> • Alex has got an extra move • Each of Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contains 1,1,2,3,0 and 1 stone(s) respectively • Alex's Mancala contains 5 stones • Alex's turn
Actions	<ul style="list-style-type: none"> • Alex moves 2 stones from 3rd cup and puts one in 4th and the other in 5th cup.
Post-conditions	<ul style="list-style-type: none"> • Each of Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contains 1,1,0,4,1 and 1 stone(s) respectively • Alex's Mancala contains 5 stones • It is Lisa's turn

User Story No	9
Title	Alex completes first extra move and gets another extra move
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now, Alex has already got an extra move and played • Each of Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contains 1,1,2,3,0 and 1 stone(s) respectively • Alex's Mancala contains 5 stones • Alex's turn

Actions	<ul style="list-style-type: none"> Alex grabs the only one stone from his 6th cup and places it in his Mancala
Post-conditions	<ul style="list-style-type: none"> Alex's 6th cup is empty Each of Alex's 1st,2nd, 3rd,4th, 5th cups contain 1,1,2,3,0 stones respectively Alex's Mancala contains 6 stones Now it's Alex's turn again

User Story No	10
Title	Lisa plays her second extra move and gets another extra move
Pre-conditions	<ul style="list-style-type: none"> The game is running Lisa has completed one extra move and got second extra move Now, Lisa will play her second extra move Each of Lisa's 1st,2nd, 3rd,4th, 5th and 6th cup contains 1,1,2,3,0 and 0 stone(s) respectively Lisa's Mancala contains 6 stones
Actions	<ul style="list-style-type: none"> Lisa grabs all three stones from her 4th cup and anti-clock wisely (in respect to her side) places each stone in her 5th, 6th cups and one in the Mancala
Post-conditions	<ul style="list-style-type: none"> Lisa's 4th cup is empty Each of Lisa's 1st,2nd, 3rd, 5th ,6th cup contains 1,1,2,1,1 stones respectively Lisa's Mancala contains 7 stones Now it's again Lisa's turn again

User Story No	11
Title	Lisa plays her second extra move and gets another extra move

Pre-conditions	<ul style="list-style-type: none"> • The game is running • Lisa has completed one extra move and got second extra move • Now, Lisa will play her second extra move • Each of Lisa's 1st,2nd, 3rd,4th, 5th and 6th cup contains 3,1,2,3,0 and 0 stone(s) respectively • Lisa's Mancala contains 6 stones • It is Lisa's turn
Actions	<ul style="list-style-type: none"> • Lisa grabs all three stones from her 1st cup and places each stone in her 2nd , 3rd and 4th cup.
Post-conditions	<ul style="list-style-type: none"> • Lisa's 1st cup is empty • Each of Lisa's 1st, 2nd, 3rd, 4th ,5th ,6th cup contains 0,2,3,4,0,0 stones respectively • Lisa's Mancala contains 6 stones • Now it's Alex's turn

User Story No	12
Title	Alex's last stone falls into an empty cup and doesn't capture any stone
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Alex's turn • Each of Alex's 1st,2nd, 3rd,4th, 5th cups contain 5,1,3,2,1 stones respectively • Alex's 6th cup is empty • Lisa's 1st cup is empty • Alex's Mancala has 4 stones
Actions	<ul style="list-style-type: none"> • Alex grabs 5 stones from her 1st cup and places each stone in his 2nd,3rd,4th,5th and 6th cups
Post-conditions	<ul style="list-style-type: none"> • Each of Alex's 2nd, 3rd,4th, 5th and 6th cup contains 2,4,3,2,1 stone(s) respectively • Alex's 1st is empty • Lisa's 1st cup is empty • Alex's Mancala has 4 stones • Now, it's Lisa's turn

User Story No	13
Title	Alex captures a cup of stones of Lisa in his extra turn
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Alex has completed one move • Now it's Alex's extra turn • Each of Alex's 1st,2nd, 3rd,4th, 5th cup contains 5,1,3,2,1 stones respectively • Alex's 6th cup is empty • Lisa's 6th cup contains 3 stones • Alex's Mancala has 4 stones
Actions	<ul style="list-style-type: none"> • Alex grabs 5 stones from her 1st cup and places each stone in his 2nd,3rd,4th,5th and 6th cups
Post-conditions	<ul style="list-style-type: none"> • Each of Alex's 2nd, 3rd,4th, 5th cup contains 2,4,3,2 stones respectively • Alex's 1st and 6th cup are empty • Lisa's 6th cup is empty • Alex's Mancala has 8 stones • Now it's Lisa's turn

User Story No	14
Title	Lisa finishes playing all her stones and Alex remaining stones added to his point
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Lisa's turn • All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty • Lisa's 6th cup contains 1 stone • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contains 0,0,0,0, 2,0 stones respectively • Lisa's Mancala has 30 stones • Alex's Mancala has 15 stones
Actions	<ul style="list-style-type: none"> • Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none"> • Lisa's all cups are empty • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contains 0,0,0,0, 2,0 stones respectively • Lisa's Mancala contains 31 stones • Alex's Mancala contains 15 stones

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- Alex's point is 17
 - Lisa's point is 31
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User Story No **15**

Title **Alex wins the game when Lisa plays the last move**

- Pre-conditions**
- The game is running
 - Now it's Lisa's turn
 - All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty
 - Lisa's 6th cup contains 1 stone
 - Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,0,2 and 0 stones respectively
 - Lisa's Mancala has 15 stones
 - Alex's Mancala has 30 stones
- Actions**
- Lisa grabs the only one stone from her 6th cup and places it in her Mancala
- Post-conditions**
- Lisa's all cups are empty
 - Lisa's Mancala contains 16 stones
 - Alex's Mancala contains 30 stones
 - Alex has 2 stones in his 5th cup.
 - Alex's point is 32
 - Lisa's point is 16
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User Story No **16**

Title **Alex loses the game when Lisa plays the last move**

- Pre-conditions**
- The game is running
 - Now it's Lisa's turn
 - All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty
 - Lisa's 6th cup contains 1 stone
 - Alex's 1st,2nd, 3rd,4th, 5th, 6th cups contain 0,0,0,0,0 and 2 stones respectively
 - Lisa's Mancala has 30 stones
 - Alex's Mancala has 15 stones
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Actions	<ul style="list-style-type: none"> • Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none"> • Lisa's all cups are empty • Lisa's Mancala contains 31 stones • Alex's Mancala contains 15 stones • Alex has 2 stones in her 6th cup. • Alex's point is 31 • Lisa's point is 17

User Story No	17
Title	Lisa wins the game when Lisa plays the last move
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Lisa's turn • All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty • Lisa's 6th cup contains 1 stone • Alex's 1st,2nd, 3rd,4th, 5th, 6th cups contain 0,0,0,0,0 and 2 stones respectively • Lisa's Mancala has 30 stones • Alex's Mancala has 15 stones
Actions	<ul style="list-style-type: none"> • Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none"> • Lisa's all cups are empty • Alex's 6th cup contains 2 stones • Lisa's Mancala contains 31 stones • Alex's Mancala contains 15 stones • Lisa's point is 31 • Alex's point is 17

User Story No	18
Title	Lisa loses the game when Lisa plays the last move
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Lisa's turn • All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty

	<ul style="list-style-type: none"> • Lisa's 6th cup contains 1 stone • Alex's 1st,2nd, 3rd,4th, 5th, 6th cups contains 0,0,0,0,0 and 2 stones respectively • Lisa's Mancala has 15 stones • Alex's Mancala has 30 stones
Actions	<ul style="list-style-type: none"> • Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none"> • Lisa's all cups are empty • Alex's 6th cup contains 2 stones • Lisa's Mancala contains 16 stones • Alex's Mancala contains 30 stones • Lisa's point is 16 • Alex's point is 32

User Story No	19
Title	The game becomes a tie
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Now it's Lisa's turn • All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty • Lisa's 6th cup contains 1 stone • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,0, 2 and 0 stones respectively • Lisa's Mancala has 23 stones • Alex's Mancala has 22 stones
Actions	<ul style="list-style-type: none"> • Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none"> • Lisa's all cups are empty • Alex's 5th cup contain 2 stones • Lisa's Mancala contains 24 stones • Alex's Mancala contains 22 stones • Lisa's point is 24 • Alex's point is 24

User Story No	20
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Title Alex's last stone falls in Lisa's Cup	
Pre-conditions	<ul style="list-style-type: none"> • The game is running • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,3,0,3, 3 and 1 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contains 1,4,2,3, 3 and 1 stones respectively • It is Alex's turn • Alex's mancala has 4 stones
Actions	<ul style="list-style-type: none"> • Alex grabs the 3 stones from his 5th cup and places one into his 6th cup, one in his mancala and the last one in Lisa's 1st cup.
Post-conditions	<ul style="list-style-type: none"> • Now Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,3,0,3, 0 and 2 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 1,4,2,3, 3 and 2 stones respectively • Alex's mancala has 5 stones • Its Lisa's turn

User Story No	21
Title Game becomes tie, when Alex captures Lisa's stone	
Pre-conditions	<ul style="list-style-type: none"> • It is Alex's turn • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain,0,0,0,0, 1 and 0 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 1,0,0,0, 0 and 0 stones respectively • Alex's mancala contains 22 stones • Lisa's mancala contains 24 stones
Actions	<ul style="list-style-type: none"> • Alex moves the last stone from 5th cup to 6th cup
Post-conditions	<ul style="list-style-type: none"> • Both Alex's and Lisa's cups are empty • Alex mancala has 24 stones • Lisa's mancala has 24 stones

User Story No	22
Title	Alex wins with 36 points
Pre-conditions	<ul style="list-style-type: none"> • It is Lisa's turn • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,16, 0 and 1 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,0, 0 and 1 stones respectively • Alex's mancala contains 19 stones • Lisa's mancala contains 11 stones.
Actions	<ul style="list-style-type: none"> • Lisa moves 1 stone from 6th cup to her mancala
Post-conditions	<ul style="list-style-type: none"> • Alex has 19 stones in mancala • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,16, 0 and 1 stones respectively • Lisa's mancala has 12 stones • Lisa's cups are empty. • Alex's point is 36 • Lisa's point is 12

User Story No	23
Title	Alex ends the game by capturing Lisa's remaining stones
Pre-conditions	<ul style="list-style-type: none"> • It is Alex's turn • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 2,0,0,0, 0 and 0 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,1, 0 and 0 stones respectively • Alex's mancala has 24 stones. • Lisa's mancala has 21 stones
Actions	<ul style="list-style-type: none"> • Alex grabs all the 2 stones from his 1st cup and places each stone in the 2nd and 3rd cup
Post-conditions	<ul style="list-style-type: none"> • Alex has 26 stones in his mancala • Alex's 2nd cup has 1 stone • Lisa's all cups are empty • Lisa has 18 stones in her mancala • Alex point is 27 • Lisa's point is 21

User Story No	24
Title	Alex scores 2 points in a single move and gets an extra turn
Pre-conditions	<ul style="list-style-type: none"> • It is Alex's turn • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,1,0, 0 and 14 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,1,0,2, 0 and 0 stones respectively • Alex's mancala has 15 stones. • Lisa's mancala has 15stones
Actions	<ul style="list-style-type: none"> • Alex grabs all the 14 stones from his 6th cup and places each stone in his mancala, in all the cups of Lisa, his 1st, 2nd, 3rd, 4th, 5th, 6th and again in his mancala
Post-conditions	<ul style="list-style-type: none"> • Alex has 17 stones in his mancala • Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contain 1,1,2,1,1,1 • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cup contain 1,1,3,1,2,1 • Lisa has 15 stones in her mancala • Alex has 17 stones in his mancala

User Story No	25
Title	Alex scores 2 points in a single move and does not get any extra turn
Pre-conditions	<ul style="list-style-type: none"> • It is Alex's turn • Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,1,0, 0 and 15 stones respectively • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,1,0,1, 0 and 0 stones respectively • Alex's mancala has 15 stones. • Lisa's mancala has 15stones
Actions	<ul style="list-style-type: none"> • Alex grabs all the 15 stones from his 6th cup and places each stone in his mancala, in all the cups of Lisa, his 1st, 2nd, 3rd, 4th, 5th, 6th and again in his mancala and last one in Lisa's 1st cup
Post-conditions	<ul style="list-style-type: none"> • Alex has 17 stones in his mancala • Alex's 1st,2nd, 3rd,4th, 5th and 6th cup contain 1,1,2,1,1,1 • Lisa's 1st,2nd, 3rd,4th, 5th and 6th cup contain 2,2,1,2,1,1 • Lisa has 15 stones in her mancala

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- Alex has 17 stones in his mancala
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User Story No 26

Title Alex resets the Mancala game

Pre-conditions • Alex and Lisa are playing the Mancala game

Actions • Alex clicks on 'Reset' button

**Post-conditions • Both of the Mancalas are empty
 • Each of the cups contains 4 stones**

User Story No 27

Title Alex and Lisa start a new Mancala game

Pre-conditions • Mancala game is running

Actions • Alex clicks on 'Start New Game' button

Post-conditions • Name input dialogue box will appear on screen

User Story No	28
Title	Lisa closes the Mancala game
Pre-conditions	<ul style="list-style-type: none"> Alex and Lisa were playing Mancala game
Actions	<ul style="list-style-type: none"> Lisa clicks on 'Quit' button
Post-conditions	<ul style="list-style-type: none"> The Mancala game application will be closed

User Story No	29
Title	Alex sees the Mancala game history
Pre-conditions	<ul style="list-style-type: none"> Bob and Anna had finished playing Mancala game Now, Alex and Lisa are playing Mancala game
Actions	<ul style="list-style-type: none"> Alex clicks on 'Show History' button from the Mancala game toolbar
Post-conditions	<ul style="list-style-type: none"> The game history dialogue box has appeared on the screen It shows one game history record Record shows Bob and Anna's game consisting their names. Scores, winner name and time they finished the game

User Story No	30
Title	Displaying Alex's and Lisa's Mancala game result
Pre-conditions	<ul style="list-style-type: none"> The game is running Now it's Lisa's turn All of Lisa's 1st,2nd, 3rd,4th, 5th cups are empty Lisa's 6th cup contains 1 stone Alex's 1st,2nd, 3rd,4th, 5th and 6th cups contain 0,0,0,0,2 and 0 stones respectively

	<ul style="list-style-type: none">• Lisa's Mancala has 15 stones• Alex's Mancala has 30 stones
Actions	<ul style="list-style-type: none">• Lisa grabs the only one stone from her 6th cup and places it in her Mancala
Post-conditions	<ul style="list-style-type: none">• Result dialogue box opens showing "Alex wins 32 points"• Lisa's all cups are empty• Lisa's Mancala contains 16 stones• Alex's Mancala contains 30 stones• Alex has 2 stones in his 5th cup.• Alex's point is 32• Lisa's point is 16
