PokerCast Backlog

Team #3

Yongsun Hong

Joe Koncel

Inhwan Lee

Anthony Natoli

Brandon Porter

Ben Wencke

Coordinator: Mingyuan Wang

Problem Statement:

The Chromecast is a new platform ripe for social gaming that has yet to be tapped. Very few people have taken the time to create quality additions for this platform, and that is something we want to change with our Chromecast application.

Background:

Since the Chromecast is such a new product, it has a lot of room for growth in the marketplace. We want to help the platform move forward by expanding awareness and knowledge of the Chromecast as a development tool. Currently, Google's documentation for the Chromecast is a limiting factor in the progress of Chromecast application development. As more applications are developed for the Chromecast, the documentation will be improved, encouraging more development and innovation.

Chromecast game development is particularly challenging. The Chromecast was originally envisioned as a platform for streaming movies and music. There is no specific documentation or examples from Google on how to make Chromecast games. However, we believe that the Chromecast has significant potential as a social gaming platform. By building games on Chromecast, we are reaching smartphone users around the world. Any Android or iOS device can easily become a controller for a Chromecast game, and there is no limit on how many devices can connect at one time. In this sense, we are turning the Chromecast into the ultimate gaming console for parties.

There are only a few Chromecast-enabled games currently available through the Google Play store. Most of these games are poorly designed and, as a result, fail to showcase the true power of the platform. In particular, there is no poker game available on the Chromecast

platform. Considering poker is a fairly popular party game, it seems like the best place to start in order to appeal to a wide audience.

Test Plan Requirement ID	Functional?	As a/an	I want to...	so that...	Notes
3	Y	player	press the chromecast button to initialize a game	other players can play with me	on device
4	Y	player	press the chromecast button to join an existing game	I can play with other players	on device
5	Y	host	set the number of chips per player	each game can be customized	on device before pressing "start hand"
6	Y	host	set the number of AI players	each game can be customized	on device before pressing "start hand"
34	Y	server	limit the number of players	the screen does not get too cluttered	on chromecast
30	N	host	change the color/design of the felt/chips/cards	we can have more variety	on device
36	N	server	have animations (flipping, moving around, etc)	it looks nice	on chromecast
37	N	server	cards and chips images look sharp	it looks nice	on chromecast
39	Y	server	have ads	we can make bank	on chromecast
7	Y	player	see the 2 cards that I have in my hand	I know what my hand is...duh!	on device
8	Y	player	see the up-to-date cards that are currently on the table	I know what my best hand is...duh!	on chromecast
9	N	player	click to hide the cards on my phone	I remember them and Isabel is a cheater	on device
10	Y	player	press fold during my turn in a hand	I can fold	on device
11	Y	player	press check during my turn in a hand	I can check if no one has bet yet	on device
12	Y	player	press bet during my turn in a hand	I can bet	on device
13	Y	player	specify how much I want to bet	I can bet certain amounts	on device
14	Y	player	press match/call during a hand	I can match the bet without increasing it	on device
15	Y	player	press raise during a hand	I can raise	on device
16	Y	player	specify how much I want to raise	I can raise certain amounts	on device
17	Y	player	view the contents of the pot on the screen	I know how much is in it	on chromecast
18	Y	player	see how many chips each player has left	I know how much they have	on chromecast
19	Y	server	shuffle the deck at the beginning of each hand	the cards are randomized	on chromecast
20	Y	server	continue gameplay until there are 5 cards out	gameplay ends at the right time	on chromecast
21	Y	server	take a one chip ante from each player after dealing	nobody can chicken out without consequences	on chromecast
22	Y	server	end the game when someone gets all the money	players can play again	on chromecast
23	Y	player	see the winner after the hand ends	I do not have to figure it out myself	on chromecast
24	Y	server	calculate the winner of the hand	I can announce the winner	on chromecast
25	Y	server	end the game when one player remains	players can play again	on chromecast
26	Y	server	end the game when only AI players remain	players can play again	on chromecast
27	Y	player	click to see the hierarchy of poker hands	I can know which hands are better	on device
28	Y	player	enter a code to view someone else's hand	I can cheat	on device
31	Y	AI player	evaluate the strength or potential strength of my hand	I know how well I'm doing	on chromecast
32	Y	AI player	decide how much to bet, or whether to fold	I can play the game	on chromecast
35	N	server	have sound effects	it sounds nice	on chromecast
40	N	server	have stacks/piles of poker chips	it looks nice	on chromecast
41	N	server	have different colors for different values	it looks nice	on chromecast
43	Y	player	leave the game (or I accidently leave the game)	you forfeit whatever you had in the pot	on device/chromecast