Project Backlog

Problem Statement:

Today, people are more likely to carry smart phones with them than a deck of cards. Our app will allow people to play classic card games from their phones without having to carry a deck of cards with them.Our app will be different from currently available systems by offering a multiplayer component, which allows multiple smart phone users to connect to the same game, from separate devices. Our product will function with similar versatility to a real deck of cards.

Background Information:

Currently there are few existing apps that address this problem. Of the ones that do exist, they tend to be low quality or do not offer multiplayer capabilities. They also do not allow you to set your own rules for what type of game you want to play. This app does not have a well defined domain, as the user-base for this app is large and will be using the app in many different settings and circumstances. The targeted users for this app range from card-game fanatics to friends who want to play cards with a few minutes to spare.

Requirements:
Functional Requirements:

1. As a user, I want to join a game with others over wifi or bluetooth
2. As a user, I want to be able to quickly start a game from the time of opening the app
3. As a user, I would like to be able to host a game to which others can join either over wifi or bluetooth
4. As a user, I would like to ensure that I control who joins the game
5. As a user, I would like to see a list of players in my game
6. As a user, I would like to name my game lobby so that friends and other players can know which game is being played.
7. As a user, I would like to see a list of available lobbies.
8. As a user, I would like to have sufficient functionality to allow me to play my card game of choice.
9. As a user, I would like to remove certain cards from the deck in order to play certain games.
10. As a user, I would like to choose how the cards are dealt
11. As a user, I would like to choose how the dealer is selected
12. As a user, I would like to be able to shake my device to shuffle the cards
13. As a user, I would like to know when each hand is complete, so the next one can begin promptly.
14. As a user, I would like to be able to choose if there is a center deck onto which cards are played

15. As a user, I would like to be able to save a set of rules so that I can efficiently reuse them
16. As a user, I would like to see the cards in my hand separately from community cards
17. As a user, I would like the user interface to be uncluttered and easy to navigate.
18. As a user, I would like to send feedback to the developers
19. As a user, I would like to join and leave games at will,without significant down-time
20. As a user, I would like to see if anyone else nearby is playing
21. As a user, I would like the cards and graphics to be colorful and distinct
22. As a user, I would like to see suggestions of popular card games to play
23. As a developer, I would like to see user feedback
24. As a developer, I would like to easily update my software
25. As a developer, I would like to be able to easily add new functionality
26. As a user, I would like to customize my deck with a custom card-backs (if time allows)
27. As a user, I would to have a money/point system for games such as poker (if time allows).
28. As a user, I would like to chat with other players in the game (if time allows)

Non-Functional Requirements:

1. As a user, I would like there to be little latency between requesting an action and seeing the action happen
2. As a user, I would like to be able to play with at least 7 other players
3. As a user, I must be able to play this game on an android device, version 4.0.3 or above.
4. As a user, I would like only the host to be able to set the rules of the game, so other players cannot edit the rules
5. As a user, I would like to play for an indefinite period of time without getting disconnected
6. As a user, I would like the User Interface to have fast response times across the connection.
7. As a user, I would like the app to be efficient enough to run on a mobile device
8. As a developer, I would like the graphics / images to be easily modifiable for visual upgrades