**Inception – Black Queen card game**

**Game :** Black Queen card game.

**Game rules:**

1. This card game is played by 6-7(minimum 3) players or less with a standard deck of cards.
2. To make the numbers of cards divisible by no of players some cards (2’s,3’s,4’s) are removed from the deck.
3. Below mentioned cards are assigned fixed number of points:
   1. All aces – 15 points each
   2. All tens – 10 points each
   3. All fives – 5 points each
   4. Queen of spades – 30 points
4. The total points sum up to 150.
5. The cards are distributed to the players and the game starts with a bidding round.
6. Each player can either pass a bid or must bid a minimum of 75 points or plus which his team(not yet decided) can make.
7. The player with the maximum bid amount gets to select the trump and announce two cards from the entire deck to decide on his partners.(Partners are not revealed throughout the game, they must cleverly decide on when to contribute points to the trick and when not according to the cards announced by the player with maximum bid points.)
8. Once, bids are finalized by all the players, this game is played as a usual card game.
9. Each player must cleverly decide on when to contribute the points to the trick and when not based on their guess of the team of highest bidder.
10. At the end, if the player with highest bid achieves his bid, then he gets 2\*bidding amount number of points added to his score, as well as his partners get the points equivalent to bidding amount added to their score. In case if any of the partners has a pair of announced cards then 2\*bidding amount number of points gets added to his score. If he has three cards then the score is tripled.
11. This ends the first round of the game and the game can be played for a fixed number of rounds.

**Product Owner**: Shivali Dalmia

**Project name**: Black Queen Bonanza

**Project Vision:**

For card game enthusiasts who have an interest in playing and testing their strategies on the global game table with people around the world, the Black queen is a standard card game played using a deck of cards for 6 to 7 players. It is a popular trick avoidance game with a twist that the teams are dynamic unlike other card games where teams are pre decided before starting the game. Our product “Black Queen Bonanza” rewards players with bonus game coins for best strategies put forward in the play and gives them an online platform to present the game of play to a large audience virtually.

**User stories:**

1. As a player, I want to create a room online on the portal so that I can share the link with my friends.
2. As a player, I want to be able to join a room with the available link so that I can join the game created by others.
3. As a host player, I want to start the bidding round so that other players can also bid the points at their turn to start the game.
4. As a player, during the bidding round at my turn I want to see a box so that I can enter a bidding amount.
5. As a player, during the bidding round at my turn I want to see a ‘pass’ option so that I can pass over the chance to the next player in case I do not want to bid any points.
6. As an admin, I want to view the scoreboard at each round completion so that I can track the bid points of each player in the game.
7. As an admin, I want to see the player with maximum bid points to be highlighted on the scoreboard so that I can keep a track of that player’s team score.
8. As a player with maximum bid points, I want to decide the trump and announce two cards from the entire deck for the current round so that I can decide on my partners.
9. As a player, I want to be notified of my chance in the current round so that I can play a card at my turn.
10. As a player, I want to have a timer(30secs) displayed on screen at my turn so that I can think of my strategy and play the card accordingly within the time limit.
11. As a player, I want to view the scoreboard after my turn so that I can keep a track of total points I have collected so far.
12. As a player, I want to see the cards played by other players, so that at my turn I can decide and play the card accordingly.
13. As an admin, I want to calculate the final score of each player after each round so that I can publish the winner of the game for that round.
14. As a host player, I want to see a text box to enter the number of rounds so that I can fix the number of rounds before the start of the game itself.

**Team Structure:**

This team consists of 4 people with the following roles and responsibilities.

1. Steve Wozniak

**Role:** Chief programmer

**Responsibility:** Having vast experience in designing, managing, and building the architectural design of famous operating system Macintosh, Steve will be responsible for directing the game architectural design, deciding on the use of front end and back end technologies. Other team members will be working under his guidance.

1. Dennis Ritchie

**Role:** Backup programmer

**Responsibility:** Being an inventor of C programming language he has abundant experience in regard with the process followed in development of a successful product, so he will mainly support the chief programmer in every aspect. He will be responsible for managing and executing all the stages of the software testing life cycle and other pivotal tasks like getting the resources aligned for other programmers.

1. Shivali Dalmia

**Role:** Programmer

**Responsibility:** Being a full stack developer and having programming experience of 5+ years in languages like JAVA, SCALA, and Python etc., she will be solely responsible for coding, testing the individual modules like admin, player, maximum bid player, scoreboard etc. as assigned by the chief programmer.

1. Tim Berners-Lee

**Role:** Programmer

**Responsibility:** Being an implementer of the first successful communication between a Hypertext Transfer Protocol client and server via the Internet he has an expertise in integration frameworks, so, he will be responsible for coding the interfaces to integrate different modules together.