1. Project Scope:

The scope of this project will be to build an application in python using the Deck of Cards API which will be a matching game.

2. Functional Objectives:

a. High Priority

- i. The Game should be able to pull cards of two of a kind from a card pool, from which the user has to match together
- ii. The user will be able to input which cards they would like to guess to match together
- iii. The user will have at least some visual representation of the cards

b. Medium Priority

i. A timer to track speed that will carry over to the next game played to serve as a test of the user's matching ability

c. Low Priority

- The user will have a GUI with the images given by the Deck of Cards API
- ii. The user will be able to pick the size of the matching game they would like to play up to the full deck of cards

3. Use Case Descriptions

Use Case Name	Playing standard size game (10 cards, 5 matches)
Basic Flow	 User presses button Start Game Game board is drawn User starts inputting coordinates ranging from 1,1 to 2,5 to guess if cards are matching User enters valid coordinate Game Board is redrawn with the values of the cards at the

	coordinate imputed are shown 6) If the cards match, they stay revealed, if they do not match, the game board is redrawn flipping them back over 7) Repeat back from step 3 until all cards are matched 8) Prompt the user that the game is complete, and have a Play Again button, and a Close Game button
Alternate Flows	Step 4: If the user inputs an invalid coordinate, go back to step 3 after prompting the user to input a correct coordinate Step 8: If the user presses Play Again, go back to step 2 and redraw the game board with a new format of cards.
Preconditions	The program is running
Postconditions	The application returns to step 1
Business Rule	Coordinates imputed must follow the format with two numbers and a space in between them