

COMP 3717 BBY Final 202210 (Flutter): **100 points**

Fun with Cards

Layout Criteria: **40 points**

- Your goal is to match the example as closely as possible
- For max points I will be picky on this

Functionality criteria: **45 points**

- *main.dart* should contain the main method and your home screen widget
- You should also have three separate widget classes organized into their own files
 - *item_card_view.dart*
 - *more_screen.dart*
 - *selected_card_view.dart*
- The provided example indicates which parts of the app these widgets should represent
 - The closer your widget matches the indicated area the better
- *playing_card.dart* should be your model class which has these variables along with its constructor:
 - *String id;*
 - *String value;*
 - *String suit;*
- When displaying playing cards in the *ListView*, please provide a minimum of 10, you can add a whole deck (52 cards) if you would like
- When the 'Draw Card' Button is clicked, the 'selected card view' area should update with the *image*, *value*, and *suit* of a random card from the list.
- The 'More' Button should push another route and display the selected card's image on a new screen
- Inside your Image widgets, use *NetworkImage* instead of *AssetImage*
 - The *id* of the card should be concatenated in the string URL
 - Base URL: <https://deckofcardsapi.com/static/img/>*<id here>.png*
 - See below for *id chart*
- You should pass a function as a parameter at least once

Organizational Criteria: **10 points**

- Your code should be clean, tidy, and elegant
- There should be no files, classes or resources that aren't being used in your project

Submission Rules: **5 points**

- Before you zip, do a Flutter Clean
 - Tools->Flutter->Flutter Clean
- Submit zip file of your project (yourname_final)

App does not run: **-10 points**

Info:

- How to do Random in dart?
 - The *Random* class within *dart:math* is very closely related to the *java.util.Random*
- ID chart (omitted some to save space)

ID	Value	Suit	ID	Value	Suit
2H	2	Hearts	2S	2	Spades
3H	3	Hearts	
4H	4	Hearts	0S	10	Spades
...	
0H	10	Hearts	AS	Ace	Spades
JH	Jack	Hearts	2D	2	Diamonds
QH	Queen	Hearts	
KH	King	Hearts	0D	10	Diamonds
AH	Ace	Hearts	AD	Ace	Diamonds
2C	2	Clubs			
...	...				
0C	10	Clubs			
...	...				
AC	Ace	Clubs			

