

CRC Cards

Class	
Button	
Responsibilities	Collaborations
Image Rect Draw button isClicked: handle button clicks	Pygame.Surface Pygame.Rect Pygame.font

Class	Superclass
ImageButton	Button
Responsibilities	Collaborations
Image Rect	Pygame.Image Pygame.Surface Pygame.Rect

Class	
Card	
Responsibilities	Collaborations
Status CardImageDirectories CardImages Position Surface Rect Load card images Switch card status IsClicked: handle button clicks Compare front images Show card image	Pygame.Image Pygame.Surface Pygame.Rect CardStatus

Class	
CardDeck	
Responsibilities	Collaborations
Deck CardCount Load cards (10, 14, 18) Check deck status (single and multiplayer) Check all cards face up	Card Pygame.time.wait

Class	
CardStatus	

Responsibilities	Collaborations
back enum front enum solved enum	Card

Class	
InputBox	
Responsibilities	Collaborations
Rect Color Text Text Surface Active Handle events Update text box when long word occurs Draw input box	Pygame.Surface Pygame.Rect Pygame.font Pygame.color

Class	
Score	
Responsibilities	Collaborations
Score Multiplier Raise multiplier Reset multiplier Raise score Display multiplier Display score	TextPrinter

Class	Superclass
MultiplayerScore	Score
Responsibilities	Collaborations
Score for second player Multiplier for second player Raise second multiplier Reset second multiplier Raise second score Display multipliers Display scores	TextPrinter

Class	
Statistics	
Responsibilities	Collaborations
CardsClicked CardsMatched	TextPrinter

GamesPlayed Raise cards clicked Raise cards matched Raise games played Display statistics	
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Class	
TextPrinter	
Responsibilities	Collaborations
Text Objects Display title Display text	Pygame.font