ANIMAL CIRCUS FLOWCHART

APCS pd5

Updated 2017-01-22

Display welcome message										
Create instances Woo, Player, Circus, Gam	neBoard									
\downarrow										
START Ask user for their name										
Circus, Player - Display starting info: funds,	fame									
biopidy starting into: rands,	idillo									
1) OPTION										
Woo: Display number of actions left										
Woo: Prompt user to make a choice										
	L					Ţ				
1) Prepa	aration					2) Skip to Circu	S			
<i>,</i>		\downarrow				, . ↓				
a) Buy		b) Train				Player: Check if a	any animals are owned			
↓		↓				↓ (no)		(yes) ↓		
Woo: List animals and prices		Player: List anim	als owned			Go back to I) OP	TION	\downarrow		
Woo: Ask user to choose one		Player: Ask user	to choose one					\downarrow		
\downarrow			\downarrow				II) OPTION		
Woo: Create instance of AnimalX: Update isTra				isTrained, trickV	Val, appealVal GameBoard: Display 2D-Array b			O-Array boa	ırd	
AnimalX: Display more info (appeal, shape)	Woo: Decrement number of actions left				GameBoard: Display AnimalX and its shape					
\downarrow			\downarrow				\downarrow	\downarrow	\downarrow	
Woo: Prompt for purchase confirmation			Go back to I) OP	TION			a) Place animal	\downarrow	b) Skip animal	
↓ (no)	(yes) ↓						↓	\downarrow	\	
Go back to a) Buy	\downarrow					GameBoard: Ask	for x, y inputs	\downarrow	GameBoard: Go to next	animal
	1					\	↑	\downarrow	\	
Player: Check if enough money					GameBoard: Che	eck if animal fits	1	\downarrow	Go back to II) OPTION	
↓ (no)	(yes) ↓				↓ (yes)		(no) ↑	\downarrow		
Go back to a) Buy	1				GameBoard: Up	date 2D-Array boa	ard	↓		
Discount de la constant de la consta	1			0 - 1 - 1 - 11 01	↓ DTION			↓		
Player: Update ownedAnimals attribute			Go back to II) OPTION				c) Done with circus (or when no more animals) Circus: Print out earnings and fame points (quit) ↓			
Woo: Decrement number of actions left									e points	(quit) ↓
↓ Go back to 1) OPTION							Player: Update Balance			↓
GO DACK TO 1) OF HON						Go back to STAF	↓ (keep playing)			↓
						GO DACK TO STAF	VI		Circus: Display final resu	ılts
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