

Drawdiculous

Test Cases and Test Coverage Report

Version 1.4

Prepared by Team Luck

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Document Change Record

Revision	Description of Change	Approved by	Date
1.1	Initial Template	Sannabhadti Shipra Deepak	24 Oct 2021
1.2	Designed Test Cases	Sannabhadti Shipra Deepak	24 Oct 2021
1.3	Executed Test Cases	Jin Han	25 Oct 2021
1.4	Updated New Test Case	Sannabhadti Shipra Deepak	26 Oct 2021

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1. Account Creation and Login

Test Case #:	1.1		Test Case Name:	Register Account
System:	Drawdiculous		Subsystem:	Register Account
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User registers a ne	w Drawdiculou	s account.	
Pre-conditions:	 The mobile device has stable Internet connectivity. User has not previously created an account with their email. User is currently on the Authentication page. 			•
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Register" button	User is redirected to the Register page.	Pass	
2	Fill in the username, email and password	Account is created and stored in the database. User is redirected to the Authenticati on page.	Pass	
Post-conditions:	Users are able to l	ogin to their acc	count.	

Test Case #:	1.2		Test Case Name:	Login Successful
System:	Drawdiculous		Subsystem:	Login
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User successful	lly logs in to Draw	diculous account.	
Pre-conditions:	 The mobile device has stable Internet connectivity. User has an existing account. User is currently on the Authentication page. 			vity.
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Login" button	User is redirected to the Login page.	Pass	
2	Fill in the correct email and password	User is authenticated and logged into their account. User is redirected to the Home page.	Pass	
Post-conditions:	Users have accin Drawdiculou		Room" and "Join Ro	oom" functions

Test Case #:	1.3		Test Case Name:	Login Failure
System:	Drawdiculous		Subsystem:	Login
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User unsuccessfully attempts login		n.	
Pre-conditions:			ble Internet connectiuthentication page.	vity.
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Login" button	User is redirected to the Login page.	Pass	
2	Fill in an invalid email and/ or password	User is not authenticated and cannot login to the account. User remains on the Login page.	Pass	
Post-conditions:		Users do not have access to the "Create Game" and "Join Game" functions in Drawdiculous.		

Test Case #:	1.4		Test Case Name:	Forgot Password
System:	Drawdiculous		Subsystem:	Login
Designed by:	Shipra		Design Date:	26/10/2021
Executed by:	Jin Han		Execution Date:	26/10/2021
Short Description:	User clicks on	the forgot passwo	rd prompt.	
Pre-conditions:	2. User h	as an existing acco	able Internet connect unt. Authentication page.	ivity.
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Login" button	User is redirected to the Login page.	Pass	
2	Tap on "Forget Password" button	User is redirected to the Forgot Password page.	Pass	
3	Fill in account's email address and tap on the "Recover" button	System sends an email with a recovery link to the inputted address.	Pass	
4	Click on the recovery link and fill in new password	System updates the new password for the chosen account in the database.	Pass	

Post-conditions: Password for user's account is updated.
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2. Assemble Players

Test Case #:	2.1		Test Case Name:	Create Game Room
System:	Drawdiculous		Subsystem:	Create Game Room
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User creates a	new game room.		
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. User is currently on the Home page. 			•
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Create a new game" button	User is redirected to the Create Room page.	Pass	
2	Fill in password	System creates a private game room. User is redirected to the Game Room page for the newly-created room.	Pass	If the user chooses not to fill in the password, a public game room is created instead of private.
Post-conditions:	User is the hopassword.	st of a private gam	ne room with the afor	rementioned

Test Case #:	2.2		Test Case Name:	Join Specific Game Room Successful
System:	Drawdiculous		Subsystem:	Join Game
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User enters Roroom.	oom ID and option	al Password to join a	a specific game
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. Game Room with specified ID has been previously created. User is currently on the Home Page. 			nt.
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Join an existing game" button	User is redirected to the Join Room page.	Pass	
2	Fill in the correct Room ID and password, if applicable.	User is redirected to the Game Room page for the chosen game room.	Pass	
Post-conditions:	User is a mem	ber of the chosen	game room.	

Test Case #:	2.3		Test Case Name:	Join Specific Game Room Failure
System:	Drawdiculous		Subsystem:	Join Game
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User enters an specific game		D and optional Passy	vord to join a
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. User is currently on the Home Page. 			
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Join an existing game" button	User is redirected to the Join Room page.	Pass	
2	Fill in an invalid Room ID and/ or password.	System displays prompt "Room not found". User remains on the Join Room page.	Pass	
Post-conditions:	User is not a r	nember of any gan	ne room.	

Test Case #:	2.4		Test Case Name:	Join Random Game Room
System:	Drawdiculous		Subsystem:	Join Random Game
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User clicks to	join a random gan	ne room.	
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. A public (non-password-protected) Game Room currently exists. User is currently on the Home Page. 			
Step	Action	Pass/Fail	Comment	
1	Tap on the "Join an existing game" button	User is redirected to the Game Room page for a random public game room.	Pass	
Post-conditions:	User is a mem	ber of a public gar	ne room.	

Test Case #:	2.5		Test Case Name:	Leave Game Room	
System:	Drawdiculous		Subsystem:	Game Room	
Designed by:	Shipra		Design Date:	24/10/2021	
Executed by:	Jin Han		Execution Date:	25/10/2021	
Short Description:	User clicks to leave the game roo		om.		
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. User is currently in the Game Room. 			-	
Step	Action	Expected System Response	Pass/Fail	Comment	
1	Tap on the "Leave room" button	Users leave their current game room. User is redirected to the Home page.	Pass	If the user is the host of their current game room, all other players leave as well and the game room is deleted.	
Post-conditions:	User is not a r	User is not a member or host of any game room.			

Test Case #:	2.6		Test Case Name:	Remove Player
System:	Drawdiculous		Subsystem:	Game Room
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User clicks on the cross button to from the game room.		remove the associated player	
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. User is currently in the Game Room. User is the Host of the Game Room. 			-
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "X" button next to the name of the player to be removed.	Chosen player is removed from the game room. Chosen player is redirected to the Home page. Name of the chosen player is removed from the Game Room page.	Pass	Users cannot remove themself.
Post-conditions:	-			

3. Gameplay

Test Case #:	3.1		Test Case Name:	Start Game
System:	Drawdiculous		Subsystem:	Game Room
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User clicks to start the game.			
Pre-conditions:	 The mobile device has stable Internet connect User is already logged into an existing accounce User is currently in the Game Room. User is the Host of the Game Room. Two or more players are in the Game Room. 			•
Step	Action	Expected System Response	Pass/Fail	Comment
1.	Tap on the "Start Game" button.	System redirects all players to the Drawing page. System assigns the user as 'Artist' and all other players as 'Guesser'.	Pass	
2.	Draw on canvas based on prompt	System sends the drawing to all other players. When time limit is reached, system assigns next player as 'Artist' and all other players as	Pass	

		'Guesser'		
3	Repeat Step 2 until all players have been assigned as 'Artist'	System ends the game. All players are redirected to the Result page.	Pass	
Post-conditions:	-			

Test Case #:	3.2		Test Case Name:	Draw with all the Tools
System:	Drawdiculous		Subsystem:	Game Play
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User makes us	se of all the tools to	o draw according to	the prompt.
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. The game has started. User has been assigned the role of 'Artist' and has been provided with a drawing prompt. 			nt.
Step	Action	Expected System Response	Pass/Fail	Comment
1	Tap on the "Paintbrush" button and choose brush size	User's current tool is set to brush. Brush is changed to the chosen size.	Pass	
2	Tap on the "Palette" button and choose colour of brush	User's brush is changed to the chosen colour.	Pass	
3	Tap on the "Eraser" button and choose eraser size	User's current tool is set to eraser. Eraser is changed to the chosen size.	Pass	
4	Tap on the "Dustbin"	Canvas is cleared for	Pass	

	button	users and all other players.	
Post-conditions:	-		

Test Case #:	3.3		Test Case Name:	Use Chat Feature
System:	Drawdiculous		Subsystem:	Game Play
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User sends me	essages via chat bo	Х.	
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. The game has started. Message delivered via chat box is not the answer. 			nt.
Step	Action	Expected System Response	Pass/Fail	Comment
1.	Tap on the "Type Your Answer" answer box	System displays a keyboard.	Pass	
2.	Type in message	System displays the message in the Chat Box.	Pass	If the message is the correct answer, see Test Case #13.
Post-conditions:	-			

Test Case #:	3.4		Test Case Name:	Guess Word Correctly
System:	Drawdiculous		Subsystem:	Game Play
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	User sends the correct answer via		a chat box.	
Pre-conditions:	 The mobile device has stable Internet connectivity. User is already logged into an existing account. The game has started. User has been assigned the role of 'Guesser'. Message delivered via chat box is the answer. 			nt.
Step	Action	Expected System Response	Pass/Fail	Comment
1.	Tap on the "Type Your Answer" answer box	System displays a keyboard.	Pass	
2.	Type in message	System displays "Bingo!" in the Chat Box. Users are awarded points. Leaderboard is updated.	Pass	
Post-conditions:	Users can no longer gain points from guessing the word correctly for that round.			

4. Post-game

Test Case #:	4.1		Test Case Name:	Back to Home
System:	Drawdiculous		Subsystem:	Results
Designed by:	Shipra		Design Date:	24/10/2021
Executed by:	Jin Han		Execution Date:	25/10/2021
Short Description:	Click on the b results.	Click on the back button to return to the home page after viewing results.		
Pre-conditions:	2. Gamer	2. Gameplay is over.		
Step	Action Expected System Response Pass/Fail Comment			
1	Tap on the "Back" button	User is redirected to the Home page.	Pass	
Post-conditions:	-			