Test No.	Target Page	Test Name	Purpose of Test	Test Procedure	Test Data (Filled out during testing)	Expected Result	Actual Result	Outcome and Actions Required	Date Tested	Completed By	
1	createAccount	Test Create Account	To test whether the account is created in the database	Input username/password and create account Login with those credentials		User is logged in	Expected result	No action requred	4/12	Anthony	
2	createAccount	Test Creating Existing Account	Test whether you can create an account with an existing username/password combo	Input an existing username/password combo	username: hello; password: world;	Error message: account already exists	Error message: account already exists	Bug: Tips are gone if the error message appears	4/3	Anthony	
3	createAccount	Test Creating Existing Password	Test whether you can create an account with an existing password but different username	Input a new username but an existing password	username: bye; password: world:	User is logged in	Expected result	No action requred	4/14	Anthony	
4	createAccount	Test Max Account Limit	To test whether the max account limit is enforced	Change the max account limit in createAccount.js to 1 Try to create an account		Error message saying max number of users reached is displayed	Expected result	No action requred	4/14	Anthony	
5	login	Test Login	To test logging in with existing user	Input an existing username/password combo correctly	username: helio; password: world:	User is logged in	Expected result	No action requred	4/14	Anthony	
6	login	Test Login with nonexisting user	Test logging in with non-existent user	Input a nonexistent username/password	username: asdfg password: gwerty	Error message is displayed	Expected result	No action requred	4/14	Anthony	
7	login	Test Login with misspelled username	Test logging in with a misspelled username	Misspell an existing username	username: hell; password: world;	Error message is displayed; Please reenter correct username, password combo	Expected result	No action requred	4/14	Anthony	
8	login	Test Login with NON-case sensitive username	Test case sensitivity of username login	"Misspell" an existing username	username: HEIIO; password: world:	User is logged in	Expected result	No action requred	4/14	Anthony	
9	login	Test Login with CASE-sensitive	Test case sensitivity of password login	Misspell a password with caps	username: hello; password: WoRID:	Error message that password incorrectly entered	Expected result	No action requred	4/14	Anthony	
10	homeScreen	Test creating a deck	To test a deck is created using the create deck	Press create deck button Input a deckname Click Okav		Deck is displayed in number of deck	Expected result	No action requred	4/14	Anthony	
11	homeScreen	Test deleting a deck	To test the deck deletion is functional	Select a deck to delete Press delete Press okay to confirm popup		Deck is deleted from list of decks	Expected result	No action requred	4/14	Anthony	
12	homeScreen	Test starting review from homeScreen	To test user can start reviews	Press the arrow on the right side of a deck		Deck review has started	Expected result	No action requred	4/14	Anthony	
13	homeScreen	Test going to deck details	To test user can navigate to deck details from home	Press the name of the deck		Deck details screen is displayed	Expected result	No action requred	4/14	Anthony	
14	homeScreen	Test logout from home screen	To test the logout button on home screen works	Press logout button		User is logged out	Expected result	No action requred	4/14	Anthony	
15	homeScreen	Test only decks from the current user are displayed	Test that database only retrieves decks from user that is logged in	Login as hello / world and verify the decks are displayed, the login as new / old and verify those decks are different		Decks should only display for their user	Expected result	No action requred	4/14	Anthony	
16	deckDetails	Test creating a flashcard	Test flashcard creation is saved in database	Create and save a flashcard		Flashcard is displayed in the deck details	Expected result	No action requred	4/14	Anthony	
17	deckDetails	Test deleting a flashcard	Test deleting a flashcard removes from database	Delete a flashcard from deck details		Flashcard is no longer displayed	Expected result	No action requred	4/14	Anthony	
18	deckDetails	Test edit a flashcard	Test editing a flashcard saves changes in database	Edit the front and back of a flashcard		Edited front and back are saved	Expected result	No action requred	4/14	Anthony	
19	deckDetails	Test edit deck name	Test editing deck name saves name in database	Edit the deck name		Deck name is changed on home screen	Expected result	No action requred	4/14	Anthony	
20	deckDetails	Test edit deck settings	Test changing deck settings changes settings in database	Edit the deck settings		The settings should be saved if you navigate away and back	Expected result	No action requred	4/14	Anthony	
21	deckDetails	Test summary graph shows progress	Test summary graph in deck details records data from previous reviews	Do a review with the deck		The graph should save the stats from the review	Expected result	No action requred	4/14	Anthony	
22	reviewSession	Test Reveal Answer button	Test functionality of button	Click Reveal Answer		Answer card is revealed	Expected result	No action requred	4/14	Anthony	
23	reviewSession	Test Hot Keys	Test functionality of hot keys	Spacebar or enter should reveal answer 0 or 2 should be incorrect 1 should be correct		Hotkeys function as intended	Expected result	No action requred	4/14	Anthony	
24	reviewSession	Test dynamic score counter	Test functionality of dynamic score counter	Do a review		Dynamic score keeps count as review goes on	Expected result	No action requred	4/14	Anthony	
25	finishedReview	Test Summary Graph at the end of a review	Test functionality of summary graph	Do a review		Summary graph at the end shoes the stats from the review	Expected result	No action requred	4/14	Anthony	
26	finishedReview	Test Start Review button starts a new review	To test functionality of start new review button at the end of a review	Do a review and click start review at the end		New review should be started	Expected result	No action requred	4/14	Anthony	
27	All Screens	Test the browser debug menu lockout	Ensure lockout code keeping the user out of the debug menus to prevent them viewing .js code	Use the specified hotkeys to see if the expected menus pop up when utilized	right click; crtl + shift + I; ctrl + shift + c; ctrl + shift + j; f12	No menues are expected to pop up when the specified keys are pressed	expected results occured	Bug: unrelated testing showed lockout code fully disables the individual keys (i.e. the letter j cannot be pressed when making a flashcard)	4/5	Skyler	
28	All Screens	Test the browser debug menu lockout	Ensure lockout code keeping the user out of the debug menus to prevent them viewing .js code	Use the specified holkeys to see if the expected menus pop up when utilized; check each individual key still operates independently (with exception to f12)	right click; crtl + shift + I; ctrl + shift + C; ctrl + shift + j; f12	No menues are expected to pop up when the specified keys are pressed; individual keys still operate normally when not used in the listed hotkey combos (112 is not a part of this expectation)	expected results occured	No action requred	4/5	Skyler	
Test											Outcome and Actions

Test Sequence e	Test No.	Target Page	Test Name	Purpose of Test	Test Procedure	Test Data (not in table format)		Test Data (Filled	out during te	sting)				1	Expected Result	:	Actual Result	Outcome and Actions Required	Date Tested	Completed By
А	1	createAccount login	Creste Account & Login	Create an account to do testing	Click on create new account. Enter in a username and password. 3. Press create. Henter in the username and password that you just created. 5. Press login.				document shi	inder users colle ould be created merry. i correctly, users to the homeScre	for the user s should be	New users document merry created in the database. Successfully logged in. Now, on home page.	No actions required.	4/10	Lily					
	2				From test #1, you should be on the home page. 1. Click on the + button to create a deck. 2. Name the deck Division. 3. Press create.	For the flashcards' questions and answers, enter the following data:	Count	Level	reviewTod ay	nextDateApp earance	Question	Question Answer		Added flashcards should be observed in the 1) database under the collection Flashcard 2) Flashcards tab of deckbealls page		ion Flashcard	Flashcards were successfully added and observed in both the database and Flashcards tab.			
		homeScreen	Create deck and flashcards	Create a deck to do testing	4. On the deck/Details page, navigate to the Flashcards tab. 5. Press the + button to add flashcards. 6. Enter in the flashcard question and answer. 7. Press create. 8. Repeat steps 5-7 to create 9 flashcards.	8 / 4 = 2 16 / 4 = 4 20 / 4 = 5 32 / 4 = 8	9	0	no	nullDate	8/4 16/4 20/4 32/4 36/4 24/4 12/4 28/4 40/4	2 4 5 8 9 6 3 7		deck) should d page automat tab on the deci an empty pag	create button (f lirect users to th ically. Clicking th kDetails page sh e with a select a ner and a + (add	ne deckDetails he Flashcards nould bring up all on the left-	User was automatically directed to the respective pages after clicking on the respective buttons.	No actions required.	4/10	Lily
	3				From test#2, you should be on the deckDetails page. 1. At the top left-hand corner,		Count	Level	reviewTod ay	nextDateApp earance	Question				the right gives pshot after revi flashcards.		Database was updated exactly as depicted by the database snapshot.			
					press the Start Review button. 2. Answer 4 flashcards in total (2 correct; 2 incorrect). 3. After reviewing 4 flashcards, press the pause button at the top right-hand corner.	Answer the following flashcards correctly: 28 / 4 40 / 4	5	0	no	nullDate	8/4 16/4 20/4 32/4 36/4	-		progress chart v	low gives the va which can be ob ails page (Summ	served on the	The progress chart displays the values in the table shown to the left.			
				Review the flashcards created to test	Note: If you are retesting, due to the nature of the application code,	Answer the following flashcards incorrectly:	2	0	yes	currentDate (4/10)	24 / 4 12 / 4			Date	Correct	Incorrect				
		reviewSession	Doing a review session.	whether the code to switch between review mode works as intended.	it is possible that you review a different set of 4 flashcards.	24 / 4 12 / 4	2	1	yes	currentDate (4/10)	28 / 4 40 / 4			4/10	2	2		No actions required.	4/10	Lily
	4						Count	Level	reviewTod ay	Before: nextDateApp earance	After: nextDateAppe arance	Question 8/4 16/4	Case							
					On the deckDetails page, 1. Navigate to the Settings tab.		5	0	no	nullDate	nullDate	20 / 4 32 / 4 36 / 4	В				Database was updated			

	deckDetails	Change the review mode from continuous to daily.	Test whether the switching between review modes is working as intended.	Navigate to the Settings tab. Press edit. Change the review mode from continuous to daily. Press save.	NA NA	2 2 1	1 2 3	no no	4/12 4/14 4/16 Before:	nullDatePlus1 nullDatePlus1 nullDatePlus1 After:	J J	28/4 12/4 16/4 40/4	the databa	e right gives a sn ise should be upi ging the review r	dated after	updated exactly as depicted by the database snapshot.	No actions required.	4/11	Lily
				Navigate to the Settings tab. Press edit. Change the review mode from			1				J	12 / 4	The table to th	e right gives a sn	apshot of how	exactly as depicted by			
				Navigate to the Settings tob												undsted			
		I	1	FOLLOWING day. On the deckDetails page.		3	0	no	nullDate	nullDate	G	35/5 25/5 8/4				Database was			
				This test is to be done the		4	0	no	4/11	nullDatePlus1	н	32 / 4 36 / 4 55 / 5 35 / 5							
11						Count	revei	dy	earance	arance	Case	20 / 4 24 / 4							
11						Count	Level	reviewTod ay	Before: nextDateApp earance	After: nextDateAppe arance	Case	Data: Question							
	deckDetails	Change the review mode from daily to continuous.	Test whether the switching between review modes is working as intended.	daily to continuous. Press save.	NA NA	1	3	yes	nullDatePlus 1	4/16	D	40 / 4	the databa chang	ise should be upi ging the review r	dated after mode.	the database snapshot.	No actions required.	4/10	Lily
				Press edit. Change the review mode from		2	2	yes	nullDatePlus 1	4/14	D	12 / 4 16 / 4	The table to th	e right gives a sn	napshot of how	exactly as depicted by			
				On the deckDetails page, 1. Navigate to the Settings tab.		2	1	yes	1	4/12	D	8/4 28/4				Database was updated			
				'		3	0	no	nullDate nullDatePlus	nullDate	В	35/5 25/5							
						4	0	yes	1	4/11	Α	36 / 4 55 / 5	-						
									nullDatePlus			20 / 4 24 / 4 32 / 4							
10						Count	Level	reviewTod ay	nextDateApp earance	nextDateAppe arance	Case	Question							
	deckDetails	Add new flashcards to deck.	modes (continuous/daily)	new flashcards.	25 / 5 = 5	1	3	yes	Before:	40 / 4 After:		+	2) Flashcar	rds tab of deckD	etails page	tab.	required.	4/10	Lily
			switching between different review	Repeat steps 5-7 to create 3	55 / 5 = 11 35 / 5 = 7	2	2	yes	1 nullDatePlus	16/4			1) database u	ards should be ob under the collect	tion Flashcard	database and Flashcards	No actions		
			Preparing for next test case to check whether the nextDateAppearance = nullDate is NOT changed even after	3. Enter in the flashcard question and answer. 4. Press create.	Add the following 3 flashcards:	2	1	yes	1 nullDatePlus	12 / 4						observed in both the			
				navigate to the Flashcards tab. 2. Press the + button to add flashcards.		4	0	yes	1 nullDatePlus	20 / 4 8 / 4 28 / 4						were successfully added and			
				On the deckDetails page,					nullDatePlus	36 / 4 32 / 4 24 / 4	1					Flashcards			
						3	0	no	nullDate	35 / 5 25 / 5	-								
9						Count	Level	ay	earance	Question 55 / 5									
+	finishedReview	Doing a review session.	finishedReview screen.	button.	NA.	1	3	yes reviewTod	1 nextDateApp	40 / 4			currentDate	14	13	accordingly.	required.	4/10	Lily
	reviewSession		Check whether flashcards can be reviewed again by pressing the	you should be automatically directed to the finishedReview page. Press the Return to Deck		2	2	yes	1 nullDatePlus	16 / 4	-		Date	Correct	Incorrect	progress chart was also updated	No actions		
				incorrect. 3. Once you've finsihed reviewing,		2	1	yes	nullDatePlus 1 nullDatePlus	28 / 4 12 / 4	-		deckDet	tails page (Summ	ary tab).	the database snapshot. The			
				incorrect. Level 2 flashcards: 1 correct; 1		4	0	yes	1 nullDatePlus	20 / 4			The table be	ewing the flashca elow gives the va which can be ob	alues for the	exactly as depicted by			
				Level 0 flashcards: 1 correct, 3 incorrect. Level 1 flashcards: 2 correct, 1					nullDatePlus	32 / 4 24 / 4	1		The table to the the databa	e right gives a sn ise should be up	napshot of how odated after	review screen. The database was updated			
8				Answer all 9 flashcards again as follows:		Count	Level	ay	earance	Question 36 / 4				8 / 4; 20 / 4; 32	11	automatically to the finished	1		
	finishedReview	Doing a review session.	finishedReview screen.	screen. press the Start Review button.	NA.	2	2	yes reviewTod	1 nextDateApp	40 / 4		\vdash	4/10	10 reviewed:	8	accordingly.	required.	4/10	Lily
	reviewSession		Check whether flashcards can be reviewed again by pressing the	flashcards in the deck, you will be directed to the finishedReview screen. Press return to deck		3	1	yes	nullDatePlus 1 nullDatePlus	24 / 4 28 / 4	-		Date	Correct	Incorrect	progress chart was also updated	No actions		
				incorrect; 1 correct. 3. Once finished answering ALL		4	0	yes	nullDatePlus	36 / 4 12 / 4 16 / 4			deckDet	tails page (Summ	ary tab).	the database snapshot. The			
				deck. Of the level 0 flashcards, answer 4 correct; 0 incorrect. Of the level 1 flashcards, answer 4					nullDatePlus	20 / 4 32 / 4	1		progress chart	elow gives the va which can be ob	bserved on the	was updated exactly as depicted by			
7				Start Review button. 2. Answer all 9 flashcards in the		Count	Level	review lod ay	earance	Question 8 / 4	-		revie	ewing the flashca	ards.	review screen. The database			
				You should still be on the finishedReview page. 1. At the bottom right, press the				reviewTod	f nextDateAnn		I		The table to th	4; 28 / 4; 40 / 4] e right gives a sn se should be up	l] napshot of how	directed automatically to the finished			
											1		[16 / 4; 36 / 4;	reviewed: 8 / 4; 20 / 4; 32	1 / 4; 24 /4; 12 /	reviewed. The user was			
	reviewSession finishedReview	Doing a review session.	whether the code to switch between review mode works as intended.	it is possible that you review a different set of 4 flashcards.	NA NA	Hig	ighlighted rows represent the flashcards tha			ed.	40/4		4/10	5 cards in the deck	4	updated accordingly. specified were	No actions required.	4/10	Lily
			Review the flashcards created to test	Note: If you are retesting, due to the nature of the application code,		2	0	4/10	4/10	nullDatePlus1	12 / 4 28 / 4 40 / 4	 	deckDet	tails page (Summ Correct	nary tab).	progress chart was also			
				directed to the finishedReview screen. Remain here until the next test.							24 / 4		The table be progress chart	elow gives the va which can be ob	alues for the bserved on the	depicted by the database snapshot. The			
				Once finished answering ALL flashcards in the deck, you will be		3	1	4/10	nullDate	nullDatePlus1	8 / 4 20 / 4 32 / 4	!	The table to th the databa reviewin	e right gives a sn se should be upon g the flashcards.	apshot of how dated after	was updated exactly as			
				press the Start Review button. 2. Answer the remaining 5 new flashcards (3 correct; 2 incorrect).		2	0	4/10	nullDate	nullDatePlus1	16 / 4 36 / 4		finished revie	ew screen once a we been answer	all flashcards red.	to the finished review screen.			
6				You should be on the deckDetails page. 1. At the top left-hand corner,		Count	Level	reviewTod ay	nextDateApp earance	nextDateAppe arance	Question		Again due to	the nature of the cheards may not liers should be dis	he application	user was directed automatically			
	deckDetails	Change the review mode from continuous to daily.	Test whether the switching between review modes is working as intended.	continuous to daily. Press save.	NA	2	1	yes	currentDate + 2 Before:	currentDate After:	28 / 4 40 / 4	1	chang	ise should be upi ging the review r 56 / 4; 8 / 4; 20 /	mode.	the database snapshot.	No actions required.	4/10	Lily
				Press edit. Change the review mode from		2	0	yes	currentDate +1	currentDate	24 / 4	F	The table to th	e right gives a sn	napshot of how	exactly as depicted by			
				On the deckDetails page, 1. Navigate to the Settings tab.		5	0	no	nullDate	nullDate	32 / 4 36 / 4	G				Database was updated			
											8/4 16/4 20/4								
5						Count	Level	reviewTod ay	Before: nextDateApp earance	After: nextDateAppe arance	Question	Case							
	deckDetails	Change the review mode from daily to continuous.	Test whether the switching between review modes is working as intended.	daily to continuous. Press save.	NA	2	1	yes	currentDate	currentDate +	28 / 4 40 / 4	D	the databa	ise should be upi ging the review r	dated after	the database snapshot.	No actions required.	4/10	Lily
				Navigate to the settings tab. Press edit. Change the review mode from		2	0	yes	currentDate	currentDate + 1	24 / 4 12 / 4	А	The table to th	e right gives a sn	napshot of how	exactly as depicted by			

	13	deckDetails	Change the review mode from daily to continuous.	Test whether the owitching between review modes is working as intended.	On the deckDetails page, 1. Navigate to the Settings tab. 2. Press eath. dely to continuous. Press save. On the deckDetails page, 1. Navigate to the Settings tab. 2. Press eath. 3. Characterists and the Settings tab. 3. Press eath. 3. Characterists and the Settings tab. 3. Characterists a	NA.	4 2 2 1 1 Count 4 3 2 2 2 2	0 0 1 2 3 Level 0 0 1 1 2 2	no n	nullDatePlus 1 nullDate nullDatePlus 1 nullDatePlus 1 nullDatePlus 2 Before: nextDateApp earance 4/11 nullDate	4/11 nullDate 4/13 4/15 4/17 After: nextDateAppe arance nullDatePlus1 nullDate nullDaterlus1	C B E E Case H G J	20/4 24/4 32/4 36/4 35/5 35/5 25/5 8/4 28/4 16/4 40/4 Question 20/4 24/4 36/4 35/5 35/5 35/5 38/4 28/4 12/4 16/4	The table to the right gives a snapphot of how the database should be updated after changing the review mode. The table to the right gives a snapphot of how the database should be updated after	Database was updated exactly as	y which is the date that the flashcard was last reviewed.	4/11	Lily
	14	deckDetails	daily. Change the review mode from daily to continuous.	revert back to daily review mode. Test whether logical bug #1 was fixed. Convert back to continuous review mode.	Press save. On the deckDetails page, 1. Navigate to the Settings tab. 2. Press of the settings tab. 3. Change the review mode from dely for confirmation.	NA NA	1 Count 3 2 2 2 4	3 Level 0 1 2	no reviewTod ay no (4/10) no (nullDate) no (4/10) no (4/10) no (4/10) no (4/10)	nullDate nullDatePlus 1 nullDatePlus 1 nullDatePlus 1	nullDatePlus1 After: nextDateAppe arance 4/11 nullDate 4/12 4/14 4/16	Case C B E	Data: Question 20/4 24/4 32/4 36/4 55/5 25/5 25/5 8/4 28/4 12/4 16/4	changing the review mode. The table to the right gives a snapshot of how the database should be updated after changing the review mode.	Database was updated exactly as depicted by the database snapshot.	results in no changes to the	4/11	Lily
Test No.	Target Page	Test Name	Purpose of Test	Test Procedure	Expected Result	Actual Result	Outcome and Actions Required	Date Texted	Completed By									
G.1 G.2	Deck Details/Review Deck Details/Review		Practical test of usabitity of Dorki and whether it is effective in helping one memorize. I needed to add more cards to the deck to help me memorize more stuff. I wanted to also test if changing the number of new cards worked.	Created about 15flash cards related to exam I am taking for my Gospel of John class. I set the settings to continuous and 10 new flash cards a day.	Cards would show up correctly in review session Changing the number of daily new cards would correctly be reflected in the number of cards to review in the	There is a bug where the side panel does not extend when the number of flashcards exceeds the size of the screen. Lowering the amount of daily new cards did not reduce the total number of cards to be reviewed, which is not what is supposed to happen what is supposed to happen.	Javascript is needed to change the size of the side panel to adjust to the size of the flashcard list. I need to work with Lily to find a solution to this bug.		23 Justin Justin									
G.3	Deck Details/Review	Add last flashcards to John and review them	Testing one deck over the span of more than two days	I added the final cards to the deck and checked the graph	Over time I would get a better score.	Cards that are new and return to level 0 should reappear in the same session but do not. When it comes to effectiveness as being used for what it is intended in a memorization environment, the graph did accurately reflect that I have been getting better scores over time overall.	We need to implement a way for a flashcard to reappear in the same session when it is level 0.	4/14/23	Justin									