

Fishing Hole Testing Requirements						By Jonathan Brashears	
<b>Testing Version</b>							
Component/User	Function	Purpose	Success Requirements	Comments	Pass/Fail	Date	Notes
			Verification	Validation			
<b>Account Interface</b>							
Create Account	createAccount()	Creates a new account	Account added to database	Throws error if account already exists	Yes		
	login()	Logs the user in to Fishing Hole. Checks information with database.	User is logged in	Throws error for incorrect information. Directs user to password retrieval or to sign in again.	Yes		
	logout()	Logs the user out of Fishing Hole	User is logged out	Account logged out and user is brought back to log in screen.	Yes		
<b>Pin Management Interface</b>							
Create Pin	createPin()	Calls getCoords in Fishing Hole	Successfully calls getCoords	Throws error if function cannot be called	Yes		
	getCoords()	Calls getCoords	Retrieves GPS coordinates from Google API	Throws error if coordinates cannot be retrieved	Yes		
	getInfo()	Calls getInfo	Prompts user to enter information to be associated with the pin	Throws error for improper datatypes	Yes		
	storePin()	Sends coordinates and information to database	Information sent to database for storage	Lets the user know that the pin could not be stored if database is unreachable	Yes		
View Pin	viewPin()	Calls searchPins in Fishing Hole	Successfully calls searchPins()	Throw error if search interface cannot be loaded	Yes		
	searchPins()	Allows user to query database for pins	Returns pin names with matching values	Display all matching pins. Notify user if no matches found. Throw error if database is not reachable.	Yes		
	getPin()	Retrieves pin information from database	Successful creation of pin struct	Throw error if database is unreachable or if struct was not created	Yes		
	showPin()	Displays information contained in pin	Information contained in pin correctly displayed	If no pin is available display an error	Yes		
Share Pin	sharePin()	Calls getUsername in Fishing Hole	Successfully calls getUsername	Display error if function could not be called	Yes		
	getUsername()	Asks user to input a username to share the pin with. Checks database for a match	Username found in database	If username is not found display an error and ask the user to retry or quit.	Yes		
	findPin()	Calls viewPin()	Function successfully called	If function cannot be called display an error	Yes		
	sendPin()	Sends pin retrieved from findPin() to the user being shared with	New pin successfully added to new users account	Display error if pin was not successfully added to account	Yes		