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VM Name: csc415-server13.hpc.tcnj.edu

Directory: ~/vm-csc415/assignments/BeaconResources

Assignment 3

Test Case Design Document

Testing throughout the project will be done through Ruby's minitest framework. The reasoning behind this is because I have used it before, and I think it will work in my project very well. I will be utilizing white-box testing, as I believe my project is simple enough to allow for us to check all possible routes the functions contain considering the algorithm is relatively simple. By using minitest and obtaining full coverage throughout the necessary project functions, I believe I can appropriately check the application for issues utilizing specific parts of the project.

Functionality Tested	Inputs	Expected Output	Actual Output
ApplyFilter	Filter (None selected)	Entire Database	
ApplyFilter	Motel/hotel referral	Only results with input category	
ApplyFilter	Single Shelter	Only results with input category	
ApplyFilter	Family Shelter	Only results with input category	
ApplyFilter	Transitional Housing	Only results with input category	
ApplyFilter	Domestic Violence Shelter	Only results with input category	
ApplyFilter	Runaway Youth Shelter	Only results with input category	
ApplyFilter	Drop In Day Care	Only results with input category	
ApplyFilter	Soup Kitchen/Feeding	Only results with input category	

	Program		
ApplyFilter	Job Training	Only results with input category	
ApplyFilter	Counseling	Only results with input category	
AdminSignIn	Valid Username & Password	Admin Signed in	
AdminSignIn	Valid Username, Invalid Password	Incorrect password!	
AdminSignIn	Invalid Username, Valid Password	Account not found!	
AddResource	Correct number of inputs, not a duplicate resource	Are you sure you want to add this resource? (Yes, Resource Added!) (No, Resource Not Added!)	
AddResource	Correct number of inputs, a duplicate resource	Resource already added!	
AddResource	Incorrect number of inputs	Make sure you enter information in all the boxes!	
AddResource	Admin not signed in	How did you get here?	
RemoveResource	Admin not signed in	How did you get here?	
RemoveResource	Remove button selected on resource to remove	Are you sure you want to remove this resource? (Yes, Resource Removed!) (No, Resource not removed!)	
AdditionSuggestion	Information is entered for suggestion	Suggestion Added!	

RemovalSuggestion	Information is entered for suggestion	Suggestion Added!	
ViewSuggestions	Admin hits "View Suggestions" button	Page is rendered with suggestions	
LocationCheck	User enters valid zip code	Page renders zip codes closest to user first	
LocationCheck	User enters invalid zip code	Couldn't find this zip code!	