

Ergonomic Assessment – Testing Plan

The following is testing plan for this application:

1) Testing all the checkbox of the application (This is a sample of the check box testing)

Check Box Tested	Input	Outcome expected	Actual outcome	Comment:
chkPart1Yes	Checked = True	chkPart1DeskHeightTooLow = not visible chkPart1DeskHeightTooHigh = not visible	Yes	
chkPart1Yes	Checked = False	chkPart1DeskHeightTooLow = visible chkPart1DeskHeightTooHigh = visible	Yes	
chkPart1DeskHeightTooLow	Checked = True	chkPart1aDeskHeightTooLowAdjustHeight = visible chkPart1aDeskHeightTooLowAdjustHeightNo = visible chkPart1DeskHeightTooHigh = not visible	Yes	
chkPart1DeskHeightTooLow	Checked = False	chkPart1aDeskHeightTooLowAdjustHeight = not visible chkPart1aDeskHeightTooLowAdjustHeightNo = not visible chkPart1DeskHeightTooHigh = visible	Yes	
chkPart1DeskHeightTooHigh	Checked = True	chkPart1bDeskHeightTooHighDeskLowered = visible chkPart1bDeskHeightTooHighDeskLoweredNo = visible	Yes	

		chkPart1DeskHeightTooLow = not visible		
chkPart1DeskHeightTooHigh	Checked = False	chkPart1bDeskHeightTooHighDeskLowered = not visible chkPart1bDeskHeightTooHighDeskLoweredNo = not visible chkPart1DeskHeightTooLow = visible	Yes	
chkPart1bDeskHeightTooHighDeskLoweredNo	Checked = True	chkPart1cDeskHeightTooHighSeatHeight = visible chkPart1cDeskHeightTooHighSeatHeightNo = visible chkPart1bDeskHeightTooHighDeskLowered = not visible	Yes	
chkPart1bDeskHeightTooHighDeskLoweredNo	Checked = False	chkPart1cDeskHeightTooHighSeatHeight = not visible chkPart1cDeskHeightTooHighSeatHeightNo = not visible chkPart1bDeskHeightTooHighDeskLowered = visible	Yes	
chkPart1aDeskHeightTooLowAdjustHeight	Checked = True	chkPart1aDeskHeightTooLowAdjustHeightNo = not visible	Yes	
chkPart1aDeskHeightTooLowAdjustHeight	Checked = False	chkPart1aDeskHeightTooLowAdjustHeightNo = visible	Yes	
chkPart1aDeskHeightTooLowAdjustHeightNo	Checked = True	chkPart1aDeskHeightTooLowAdjustHeight = not visible	Yes	

chkPart1aDeskHeightTooLowAdjustHeightNo	Checked = False	chkPart1aDeskHeightTooLowAdjustHeight = visible	Yes	
2) Testing that the recommendations are displayed in the listbox lbxRecommendations				
Recommendation	Input	Outcome expected	Actual outcome	Comment:
chkPart1aDeskHeightTooLowAdjustHeight	Checked = true	"Raise the desk height" displayed	Yes	
chkPart1aDeskHeightTooLowAdjustHeightNo	Checked = true	"Change to a higher desk" displayed	Yes	
chkPart1bDeskHeightTooHighDeskLowered	Checked = true	"Lower the desk height" displayed	Yes	
chkPart1cDeskHeightTooHighSeatHeight	Checked = true	"Raise the Seat Height" displayed	Yes	
chkPart1cDeskHeightTooHighSeatHeightNo	Checked = true	"Change the seat that can be raised" displayed	Yes	
chkPart2aSeatHeightTooHighAdjust	Checked = true	"Lower the seat height" displayed	Yes	
chkPart2aSeatHeightTooHighAdjustDesk	Checked = true	"Use a footrest/foot stool to raise knees to ~90	Yes	

		deg" displayed			
chkPart2aSeatHeightTooHighCanNotAdjustDesk	Checked = true	"Replace the seat to lower knees to ~90 deg" displayed	Yes		
chkPart2aSeatHeightTooHighCanNotAdjustDeskAffects	Checked = true	"Use a footrest/foot stool to raise knees to ~90 deg" displayed	Yes		
chkPart2bSeatHeightTooLowAdjustSeat	Checked = true	"Raise the seat height" displayed	Yes		
chkPart2bSeatHeightTooLowAdjustSeatNo	Checked = true	"Replace the seat that can be raised OR is higher" displayed	Yes		
chkPart4aSeatLengthTooLong	Checked = true	"Place a Pillow in front of the back rest OR bring it forward" displayed	Yes		
chkPart4aSeatLengthTooShort	Checked = true	"Replace the Chair, it is TOO short" displayed	Yes		

chkPart4aWholeOfSpine	Checked = true	"Replace the Chair, the back rest doesn't support the spine" displayed	Yes		
chkPart4aWholeOfSpineNeckSupport	Checked = true	"Add a neck support to the back rest" displayed	Yes		
chkPart4BackRestIncline	Checked = tru	"Place a Pillow in front of the back rest" displayed	Yes		
chkPart5aArmHandles	Checked = true	"Place a Pillow in front of the back rest" displayed	Yes		
chkPart6aMoveScreen	Checked = true	"Bring the screen to about arm's length" displayed	Yes		
chkPart6bMoveScreenLaptop	Checked = true	"Bring the Laptop screen to about arm's length" displayed	Yes		
chkPart7aScreenHeightAdjust	Checked = true	"Adjust the Screen Height"	Yes		

		displayed			
chkPart7bScreenHeightInFront	Checked = true	"Bring the Screen directly in front" displayed	Yes		
chkPart8aAngleOfKeyboard	Checked = true	"Adjust the angle of the keyboard" displayed	Yes		
chkPart8bWristSupport	Checked = true	"Add a wrist support if desired" displayed	Yes		
chkPart9aMouseDistance	Checked = true	"Adjust the position of the mouse to avoid overreaching" displayed	Yes		
chkPart9bMouseSupport	Checked = true	"Add a wrist support near the mouse if desired" displayed	Yes		
chkPart10ScreenSecond	Checked = true	"Add a second screen" displayed	Yes		
chkPart10DocumentHolder	Checked = true	"Add a document holder" displayed	Yes		

chkPart10KeyboardCentral	Checked = true	"Place the keyboard in the centre" displayed	Yes		
chkPart11DeskSpace	Checked = true	"Clear the immediate desk space for commonly used items" displayed			
chkPart11OtherStorage	Checked = true	"Ensure enough storage space that does not require bending/twisting" displayed			
chkPart12Telephone	Checked = true	"A telephone headset may be needed to avoid holding phone to ear" displayed			
chkPart13Temperature	Checked = true	"Ensure that temperature can be adjusted to a comfortable			

		setting" displayed		
chkPart13Lighting	Checked = true	"Ensure there is adequate lighting over the desk/work area" displayed		
chkPart13Noise	Checked = true	"Ensure there is only the appropriate amount of noise in the office/work area" displayed		

3) Testing the effect of pressing btnRecommendations

Effect	Input	Outcome expected	Actual outcome	Comment:
Pressed if txtName is Empty	Pressed	MessageBox display – "You must enter a Client Name for the Report"	Yes	
Pressed if txtName has a name	Pressed	Recommendations displayed in lbxRecommendations and PDF report	Yes	

generated				
4) Displaying the User Clinic's details				
Client Details	Input	Outcome expected	Actual outcome	Comment:
Save Directory empty	Press button	MessageBox displays "You must select where you would like to save the reports" AND DialogBox opened to select directory to save the reports	Yes	
LogoFile empty	Press Button	MessageBox displays "You must display a logo for the report" AND DialogBox opened to select a logo file for the report	Yes	