

Mock up

Variable name						Data type	Size	Scope	Description
PIN	Integer	1	Global	The user's PIN is stored within this variable and it is checked when the user attempts to log in to ensure it is correct.					
SelectedQuestion	String	1	Global	The question selected using the list box is stored here so that it can be displayed using a label.					
score	Integer	1	Global	Stores the number of times a question was answered incorrectly.					
inputAns	String	1	Global	Stores what the user inputs as their answer during the study phase so that it can be compared to the stored answer.					
tag	String	1	Global	Holds the tag selected.					
question	String	1	Global	Holds the string to be added to a question that will be saved.					
ans	String	1	Global	Stores the string for the answer that will be added to the saved question.					
name	String	1	Global	Holds the name that will be added to the question being edited/added.					
inputPIN	Integer	1	Global	Holds the PIN inputted in the login screen so that it can be compared to the PIN stored.					
DisplayQuestion	String	1	Global	The question is retrieved from the file and assigned to this variable.					
filed	String	1	Global	Stores the field that is being edited so it can be stored in the appropriate area.					
inputTag	String	1	Global	Holds the tag being inputted to it can be saved for future use.					
search	String	1	Global	Stores the search term that will be used to perform the search.					
results	String	1	Global	Stores the results obtained from the search to be displayed.					
Object descriptions									
Object	Object type	Type	Variables handled	Properties	Description				
Form frmPIN	Form	frmPIN	Event-load	N/A	Colour = control				
Form frmMain	Form	frmMain	Event-load	N/A	Colour = control				
Form frmStudy	Form	frmStudy	Event-load	N/A	Colour = control				
Form frmEdit	Form	frmEdit	Event-load	N/A	Colour = control				
Form frmAddTag	Form	frmAddTag	Event-load	N/A	Colour = control				
Button btnEnterPIN	Button	btnEnterPIN	Event-click	N/A	Colour = control				
Button btnClosePIN	Button	btnClosePIN	Event-click	N/A	Colour = control				
Label lblLogin	Label	lblLogin	N/A	N/A	Colour = control				
Textbox txtPIN	Method	inputPIN	Method-selectQ question	InputPIN	** The user inputs the PIN into the textbox here.				
List box lstQuestions	Method	SelectQ question	InputPIN	Method-selectQ question	** The user allows the user to select from the questions they have added to the library.				
Button btnStudy	Event-click	N/A	Alert 10 "Study"	Opens up the study.					
Button btnExit	Event-click	N/A	Alert 10 "Exit"	Closes the program.					
Label lblQuestionSelected	Method	SelectQ question	Alert 12 "Question selected"	Displays the selected question.					
Label lblScore	Method	score	Alert 12 "Score"	Displays the score of the selected question.					
Label lblSelect	Method	SelectQ question	Alert 12 "Select question"	Clarifies what the list box does.					
Textbox txtAnswer	Method	inputAns	**	** The user types in the answer to the question in this textbox.					
Button btnSubmit	Event-click	N/A	Alert 10 "Submit"	Submits the answer and then displays the stored answer so the user to compare.					
Drop down box drpTag	Method	tag	Alert 10 "Tag"	** Read only = Allows the user to select from previously added tags.					
Button btnSave	Event-click	N/A	Alert 10 "Save"	Saves the question that was being edited in frmEdit.					
Button btnAddLabel	Event-click	inputTag	Alert 10 "Add"	** Saves the label being inputted in frmAddLabel.					
Textbox txtQuestionField	Method	question	**	** The user inputs what will be stored as the question.					
Textbox txtAnswerField	Method	ans	**	** The user inputs what will be stored as the answer to the question.					
Textbox txtNameField	Method	name	**	** The user inputs what will be saved as the name of the question they are adding.					
Menu strip msuFileExport	Event-click	N/A	"Export"	Initiates the export function of the question.					
Menu strip msuFileSort	Event-click	N/A	"Sort"	Initiates the sort function to sort the questions added.					
Menu strip msuFileModify	Event-click	N/A	"Modify"	Opens up frmEdit with the question selected.					
Menu strip msuFileAdd	Event-click	N/A	"Add"	Opens up frmEdit with no question.					
Menu strip msuFileDelete	Event-click	N/A	"Delete"	Deletes a currently selected question.					
Label lblSearchFile	N/A	N/A	"Search term."	Clarifies what the textbox next to it does.					
Textbox txtSearch	Method	search	**	** The user inputs what they wish to have as the search term into the textbox.					
Label lblTagSearch	N/A	N/A	"Tag to include"	Clarifies what the drop down box next to it does.					
Drop down box drpTagSearch	Method	tag	** Read only = Houses all of the tags created in the program so the user can select the one wish to search for.						
Label lblResults	N/A	N/A	"Results"	** Clarifies what the list box next to it displays.					
List box lstResults	Method	results	** Read only = ** Results from the results from the results displayed within this list box.						
Button btnSearch	Event-click	N/A	Alert 10 "Search"	Initiates search.					
Label lblStudy	N/A	N/A	Alert 10 "Begin study session"	Clarifies what the study button does.					
Label lblAnswer	N/A	N/A	Alert 10 "Answer"	Clarifies what is to be inputted into the textbox next to it.					
Label lblQuestion	Method	question	Alert 10 "Question" & Newline & question	Displays the question during the study session.					
Label lblQuestionType	N/A	N/A	Alert 10 "Question type"	Clarifies what the drop down box next to it stores.					
Drop down box drpQuestionType	Event-click	N/A	Alert 10 "Multiple choice", "Short answer", "True or false"	** Allows the user to change the type of question they wish to add to the program.					
Label lblTag	N/A	N/A	Alert 10 "Tag"	Clarifies what the drop down box below it stores.					
Label lblQuestionField	N/A	N/A	Alert 10 "Question"	Clarifies what the textbox below it is editing.					
Label lblAnswerField	N/A	N/A	Alert 10 "Answer"	Clarifies what the textbox below it is editing.					
Label lblNameField	N/A	N/A	Alert 10 "Name"	Clarifies what the textbox below it is editing.					
Label lblTagName	N/A	N/A	Alert 10 "Tag name"	Clarifies what is to be inputted into the textbox below it.					
Textbox txtTagName	Method	tag	**	** The user inputs the name of the new tag into this text box.					
Button btnAddLabel	Event-click	inputTag	Alert 10 "Add"	** Adds the label to the program with the label name from the					

Menu strip which houses the following functions

File:
- Export
- Sort
- Search

Edit:
- Add
- Add tag
- Modify
- Delete

Questions list box
lstQuestions

White background

Question selected label 12 pt Arial
lblQuestionSelectedLabel displaying the number of times the user has gotten a question incorrect 12 pt
lblScoreSearch term label 10 pt
lblSearchTermSearch label 10 pt
lblSearchTag to include in search label 10 pt
lblTagSearchDropdown menu including the tags that can be searched from
drpTagSearch

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List box containing the results from the search
lstResults

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Button to initiate search
btnSearchButton to close login prompt
btnCloseLogin

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Login instructions label 12 pt Arial
lblLogin

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Button to enter PIN
btnEnterPINTag name label 10 pt Arial
lblTagNameTextbox to add tag name
txtTagNameButton to add the label
btnAddLabel

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Name field label 10 pt Arial
lblNameFieldTextbox for the name field
txtNameFieldAnswer field label 10 pt Arial
lblAnswerFieldTextbox for the answer field
txtAnswerFieldDrop down menu with all tags added to the program
drpTagQuestion type label 10 pt Arial
lblQuestionTypeDropdown menu with the question types that can be selected
drpQuestionTypeTag label 10 pt
lblTagDrop down menu with all tags added to the program
drpTagButton to save the question being edited/added
btnSaveQuestion field label 10 pt Arial
lblQuestionFieldTextbox for the question field
txtQuestionFieldAnswer field label 10 pt Arial
lblAnswerFieldTextbox for the answer field
txtAnswerFieldName field label 10 pt Arial
lblNameFieldTextbox for the name field
txtNameFieldButton to exit program
btnExitButton to submit answer
btnSubmit

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Question label 10 pt Arial
lblQuestionAnswer label 10 pt Arial
lblAnswer

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Label explaining what the study button does 10 pt
lblStudy

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