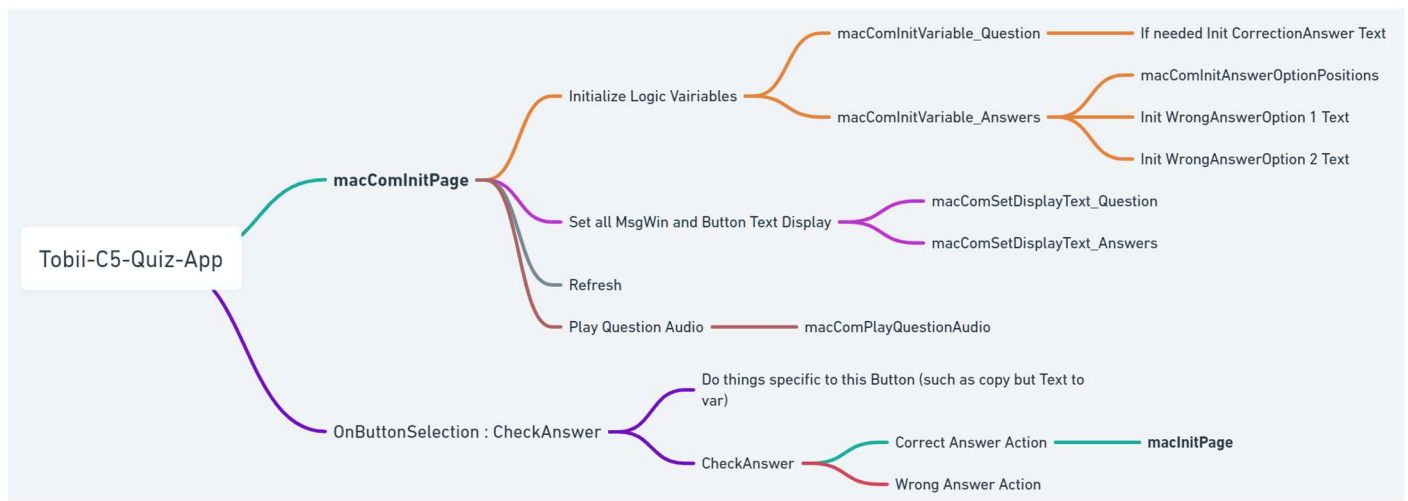# Common Tobii Communicator 5 Quiz Design Notes


https://whimsical.com/tobii-c5-quiz-app-VgntYHWrhRKPHDGCuckoZw
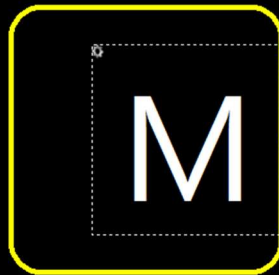
Concept	Explainations
Variables	
Randomness with Random Block	
Connecting Various Objects, like Button to Message Window	
Reusability - Copy Paste	Making or Building things faster in smart way, saving time and effort
Maintainability	
Modularity (Reusability, Maintainability)	
Modularity with adjustments	
Looping by Recursion	
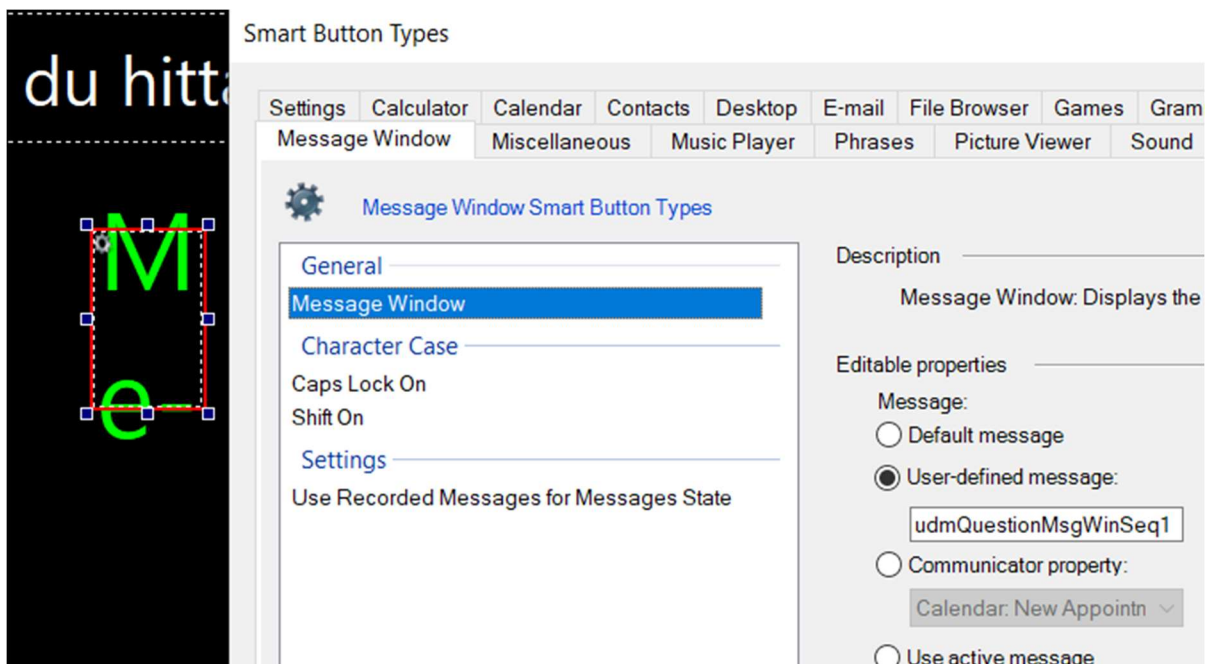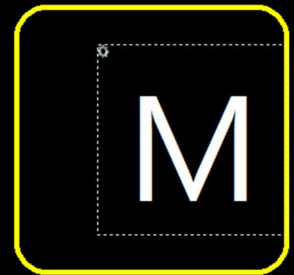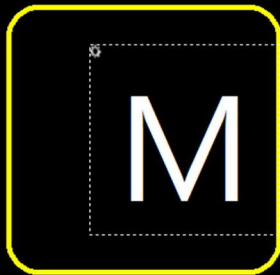
Question Message Window

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udmQuestionMsgWinSeq1

udmQuestionMsgWinSeq2

udmQuestionMsgWinSeq3

Answer Message Window

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udmOption1MsgWin

udmOption2MsgWin

udmOption3MsgWin

Page Set Macros

macComInitPage

Edit Macro: macComInitPage

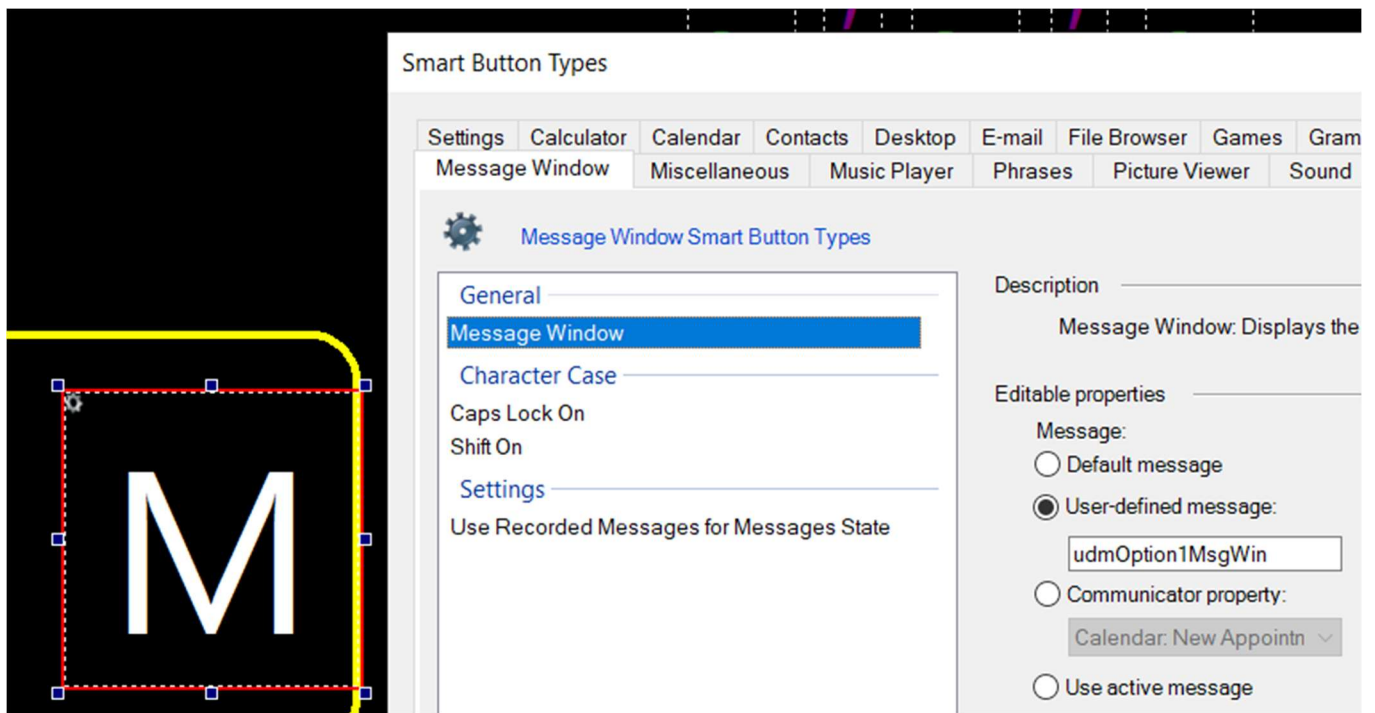| Message Window	Miscellaneous	Music Player	Phrases	Picture Viewer	Sound	System
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser	Games	Grar

Available actions

Description

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

<< Less   Add

Added actions

Action	Details	Group
Run Page Set Macro	macComInitVariable_Question	Miscellaneous
Run Page Set Macro	macComInitVariable_Answers	Miscellaneous
Run Page Set Macro	macComSetDisplayText_Question	Miscellaneous
Run Page Set Macro	macComSetDisplayText_Answers	Miscellaneous
Refresh		Miscellaneous
Delay	1 seconds	Miscellaneous
Run Page Set Macro	macComPlayQuestionAudio	Miscellaneous

macComInitVariable_Question

Edit Macro: macComInitVariable_Question

Miscellaneous		Music Player		Phrases		Picture Viewer		Sound
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser	

Available actions **Description**

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

<< Less   Add

Added actions

Action	Details	Group
Run Page Set Macro	macScaleUtilRangeShortRandom_varRetText	Miscellaneous
Assign Variable	varQueSeq1 = varRetText	Variable
Adjust Variable	varRetText + 1	Variable
Assign Variable	varQueSeq2 = varRetText	Variable
Adjust Variable	varRetText + 1	Variable
Assign Variable	varQueSeq3 = varRetText	Variable
Run Page Set Macro	macComDebugDumpAllvar	Miscellaneous
Run Page Set Macro	macScaleUtilQuestionMissPositionRandom_varRetText	Miscellaneous
IF	varRetText = 1	Variable
Assign Variable	varMissingTextCorrectAns = varQueSeq1	Variable
Assign Variable	varQueSeq1 = _	Variable
ELSE IF	varRetText = 2	Variable
Assign Variable	varMissingTextCorrectAns = varQueSeq2	Variable
Assign Variable	varQueSeq2 = _	Variable
ELSE IF	varRetText = 3	Variable
Assign Variable	varMissingTextCorrectAns = varQueSeq3	Variable
Assign Variable	varQueSeq3 = _	Variable
END		Variable

Edit Macro: macScaleUtilRangeShortRandom_varRetText

Miscellaneous	Music Player	Phrases

Hotlist	Settings	Calculator	Calendar	Contacts

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscell
Play Sound	Sound
Write	Messag
Assign Variable	Variabl

Frequently used

Write	Messag
Send Keys	Deskto
Play Sound	Sound

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Added actions

Action	Details	Group
Random Start		Variable
Assign Variable	varRetText = 0	Variable
Assign Variable	varRetText = 1	Variable
Assign Variable	varRetText = 2	Variable
Assign Variable	varRetText = 3	Variable
Assign Variable	varRetText = 4	Variable
Assign Variable	varRetText = 5	Variable
Assign Variable	varRetText = 6	Variable
Assign Variable	varRetText = 7	Variable
Random End		Variable

Edit Macro: macScaleUtilQuestionMissPositionRandom_varRetText

Miscellaneous	Music Player	Phrases	Pic

Hotlist	Settings	Calculator	Calendar	Contacts	Desktop

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Random Start		Variable
Assign Variable	varRetText = 1	Variable
Assign Variable	varRetText = 2	Variable
Assign Variable	varRetText = 3	Variable
Random End		Variable

macComInitVariable_Answers

Edit Macro: macComInitVariable_Answers

Miscellaneous		Music Player	Phrases		Picture Viewer		Sound	
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser	Games

Available actions ────────────────────────── **Description** ─────

Recently used ────────────────────────	^
Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable
Frequently used ────────────	
Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions ──────

Action	Details	Group
Run Page Set Macro	macComInitAnswerOptionPositions	Miscellaneous
Assign Variable	varAnsCorrectOption = varMissingTextCorrectAns	Variable
Assign Variable	varArgText1 = varAnsCorrectOption	Variable
Assign Variable	varArgText2 = varAnsCorrectOption	Variable
Run Page Set Macro	macUtilGetDiffText_varArgText1_varArgText2_varRetText	Miscellaneous
Assign Variable	varAnsWrongOption1 = varRetText	Variable
Assign Variable	varArgText1 = varAnsWrongOption1	Variable
Assign Variable	varArgText2 = varAnsCorrectOption	Variable
Run Page Set Macro	macUtilGetDiffText_varArgText1_varArgText2_varRetText	Miscellaneous
Assign Variable	varAnsWrongOption2 = varRetText	Variable

Edit Macro: macComInitAnswerOptionPositions

Miscellaneous		Music Player		Phrases	
Hotlist	Settings	Calculator	Calendar	Contacts	Des

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneo
Play Sound	Sound
Write	Message W
Assign Variable	Variable

Frequently used

Write	Message W
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Random Start		Variable
Assign Variable	varCorrectOptionPos = 1	Variable
Assign Variable	varCorrectOptionPos = 2	Variable
Assign Variable	varCorrectOptionPos = 3	Variable
Random End		Variable
IF	varCorrectOptionPos = 1	Variable
Assign Variable	varWrongOption1Pos = 2	Variable
Assign Variable	varWrongOption2Pos = 3	Variable
ELSE IF	varCorrectOptionPos = 2	Variable
Assign Variable	varWrongOption1Pos = 3	Variable
Assign Variable	varWrongOption2Pos = 1	Variable
ELSE IF	varCorrectOptionPos = 3	Variable
Assign Variable	varWrongOption1Pos = 1	Variable
Assign Variable	varWrongOption2Pos = 2	Variable
END		Variable

Edit Macro: macUtilGetDiffText_varArgText1_varArgText2_varRetText

Miscellaneous	Music Player	Phrases	Picture Viewer	Sound

Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser	Gan

Available actions ─────────────────────────── Description ──────

Recently used ───────────────────────		
Select Fiver Item	Games	
Go to	Miscellaneous	
Play Sound	Sound	
Write	Message Window	
Assign Variable	Variable	
Frequently used ─────────────────		
Write	Message Window	
Send Keys	Desktop	
Play Sound	Sound	

<< Less	Add	↓

Added actions ──

Action	Details	Group
Run Page Set Macro	macScaleUtilRangeRandom_varRetText	Miscellaneous
Assign Variable	varTempText = varRetText	Variable
IF	varTempText = varArgText1	Variable
Run Page Set Macro	macUtilGetDiffText_varArgText1_varArgText2_varRetText	Miscellaneous
ELSE IF	varTempText = varArgText2	Variable
Run Page Set Macro	macUtilGetDiffText_varArgText1_varArgText2_varRetText	Miscellaneous
END		Variable
Assign Variable	varRetText = varTempText	Variable

Edit Macro: macScaleUtilRangeRandom_varRetText

Miscellaneous		Music Player		Phrase
Hotlist	Settings	Calculator	Calendar	Contact

Available actions

Recently used

Select Fiver Item	G
Go to	M
Play Sound	S
Write	M
Assign Variable	V

Frequently used

Write	M
Send Keys	D
Play Sound	S

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Added actions

Action	Details	Group
Random Start		Variable
Assign Variable	varRetText = 0	Variable
Assign Variable	varRetText = 1	Variable
Assign Variable	varRetText = 2	Variable
Assign Variable	varRetText = 3	Variable
Assign Variable	varRetText = 4	Variable
Assign Variable	varRetText = 5	Variable
Assign Variable	varRetText = 6	Variable
Assign Variable	varRetText = 7	Variable
Assign Variable	varRetText = 8	Variable
Assign Variable	varRetText = 9	Variable
Random End		Variable

macComSetDisplayText_Question

Edit Macro: macComSetDisplayText_Question

Miscellaneous		Music Player	Phrases		Picture V
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-r

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Set Active Message	udmQuestionMsgWinSeq1	Message Window
Clear		Message Window
Write Variable	varQueSeq1	Variable
Set Active Message	udmQuestionMsgWinSeq2	Message Window
Clear		Message Window
Write Variable	varQueSeq2	Variable
Set Active Message	udmQuestionMsgWinSeq3	Message Window
Clear		Message Window
Write Variable	varQueSeq3	Variable
Set Active Message	Default	Message Window
Run Page Set Macro	macComDebugDumpAllvar	Miscellaneous

macComSetDisplayText_Answers

Edit Macro: macComSetDisplayText_Answers

Miscellaneous		Music Player		Phrases		Picture Viewer		Sound		Syste
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser	Games	Gra	

Available actions

Description

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

<< Less   Add

Added actions

Action	Details	Group
Assign Variable	varArgOptionPos = varCorrectOptionPos	Variable
Assign Variable	varArgOptionText = varAnsCorrectOption	Variable
Run Page Set Macro	macComSetAnswerOptionText_varArgOptionPos_varArgOptionText	Miscellaneous
Assign Variable	varArgOptionPos = varWrongOption1Pos	Variable
Assign Variable	varArgOptionText = varAnsWrongOption1	Variable
Run Page Set Macro	macComSetAnswerOptionText_varArgOptionPos_varArgOptionText	Miscellaneous
Assign Variable	varArgOptionPos = varWrongOption2Pos	Variable
Assign Variable	varArgOptionText = varAnsWrongOption2	Variable
Run Page Set Macro	macComSetAnswerOptionText_varArgOptionPos_varArgOptionText	Miscellaneous

Edit Macro: macComSetAnswerOptionText_varArgOptionPos_varArgOptionText

| Miscellaneous | Music Player | Phrases | Picture Viewer |
| Hotlist | Settings | Calculator | Calendar | Contacts | Desktop | E-mail | Fi |

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
IF	varArgOptionPos = 1	Variable
Set Active Message	udmOption1MsgWin	Message Window
Clear		Message Window
Write Variable	varArgOptionText	Variable
Set Active Message	Default	Message Window
ELSE IF	varArgOptionPos = 2	Variable
Set Active Message	udmOption2MsgWin	Message Window
Clear		Message Window
Write Variable	varArgOptionText	Variable
Set Active Message	Default	Message Window
ELSE IF	varArgOptionPos = 3	Variable
Set Active Message	udmOption3MsgWin	Message Window
Clear		Message Window
Write Variable	varArgOptionText	Variable
Set Active Message	Default	Message Window
END		Variable

macComPlayQuestionAudio

Edit Macro: macComPlayQuestionAudio

Miscellaneous		Music Player		Phrases		Picture Viewer		Sound	
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Browser		Games

Available actions — Description

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Play Sound	Synthesized speech: Är du redo för nytt spel? Kan du hitta numret som saknas ?	Sound

OnButtonSelection : CheckAnswer

Button Actions

| Message Window | Miscellaneous | Music Player | Phrases | Picture Viewer | Sound | System | Text |

| Hotlist | Settings | Calculator | Calendar | Contacts | Desktop | E-mail | File Browser | Games | Grammar | M |

Available actions

Description

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

<< Less   Add

Added actions

Action	Details	Group
Set Active Message	udmOption1MsgWin	Message Window
Set Variable from Message Window	Variable Name: varArgOptionText	Variable
Say Variable	Say variable varArgOptionText, Wait	Variable
Set Active Message	Default	Message Window
Run Page Set Macro	macComOnButtonClickCheckAnswer_varArgOptionText	Miscellaneous

Edit Macro: macComOnButtonClickCheckAnswer_varArgOptionText

Message Window	Miscellaneous	Music Player	Phrases	Picture Viewer

Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Brov

Available actions

Recently used

Select Fiver Item		Games
Go to		Miscellaneous
Play Sound		Sound
Write		Message Window
Assign Variable		Variable

Frequently used

Write		Message Window
Send Keys		Desktop
Play Sound		Sound

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Added actions

Action	Details	Group
IF	varArgOptionText = varAnsCorrectOption	Variable
Refresh		Miscellaneous
Run Page Set Macro	macComCorretAnswerAction	Miscellaneous
ELSE		Variable
Run Page Set Macro	macComWrongAnswerAction	Miscellaneous
END		Variable

Edit Macro: macComCorretAnswerAction

Message Window	Miscellaneous	Music Player	Phrases	Picture Viewer
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mail	File Brow

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Refresh		Miscellaneous
Play Sound	File: Right-answer-ding-ding-sound-effect	Sound
Play Sound	Synthesized speech: ja rätt svar, bra jobbat	Sound
Run Page Set Macro	macComInitPage	Miscellaneous

Edit Macro: macComWrongAnswerAction

Message Window	Miscellaneous	Music Player	Phrases	Pic
Hotlist	Settings	Calculator	Calendar	Contacts	Desktop	E-mai

Available actions

Recently used

Select Fiver Item	Games
Go to	Miscellaneous
Play Sound	Sound
Write	Message Window
Assign Variable	Variable

Frequently used

Write	Message Window
Send Keys	Desktop
Play Sound	Sound

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Added actions

Action	Details	Group
Play Sound	File: Wrong-answer-Buzzer-sound-short	Sound
Play Sound	Synthesized speech: Ney, fel svar, försök igen.	Sound