CodeQuest >_•

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Zaida Le - CS 320 Software Metrics

Viewing Curriculum as a Graph

Information Domain Value	Points	Count	Simple	Average	Complex	Total
External Inputs		0	0	0	0	0
External Outputs	- Error Message - User clicked on locked content	0	1	0	0	4
External Inquiries		0	0	0	0	0
Internal Logical Files	- User data - Content data - User Content Progress	3	2	1	0	24
External Interface Files		0	0	0	0	0
Total		3	2	1	0	28

Internal Logical File (ILF): check for user data and user content progress to validate starting position in graph, and to validate what content is locked to the user
External Interface File (EIF): There is not external interface file
External Input (EI): There is no external input since there is no action for the user
External Output (EO): an error message is displayed to the user notifying that the content is locked if user clicks on a lesson that has not yet been unlocked.
External Inquiry (EQ): There is no external inquiry since there is no action for the user

Consume Non - Interactive DSA Educational Content (Module 1)

Information Domain Value	Points	Count	Simple	Average	Complex	Total
External Inputs		0	0	0	0	0
External Outputs		0	0	0	0	0
External Inquiries		0	0	0	0	0
Internal Logical Files	- User data - User Progress Data	2	1	1	0	17
External Interface Files	- Content Data	1	1	0	0	5
Total		3	2	1	0	22

Internal Logical File (ILF): check user data and progress data to ensure access to course content
External Interface File (EIF): Load content data for the specific module
External Input (EI): There is no external input since there is no action for the user
External Output (EO): There is no external output since there is no action for the user
External Inquiry (EQ): There is no external inquiry since there is no action for the user

Non-Interactive Multiple Choice Questions pertaining to lesson content (Module 1)

Information Domain Value	Points	Count	Simple	Average	Complex	Total
External Inputs	- Answers to Multiple Choice Questions	1	1	0	0	3
External Outputs	- Result of Multiple Choice Questions (pass or fail)	1	0	1	0	5
External Inquiries	- Updating user's content progress data	1	1	0	0	3
Internal	- User data	2	1	1	0	17

Logical Files	- Content Progress Data					
External Interface Files	- Content Data	1	1	0	0	5
Total		6	4	2	0	33

Internal Logical File (ILF): If the user's answers are checked to be correct

External Interface File (EIF): The content data is loaded in once the user enters the module

External Input (EI): the user inputs answers for each multiple choice question

External Output (EO): the user's answers to the multiple choice questions get checked for correctness, if not all correct the next module stays locked

External Inquiry (EQ): , the content progress data is updated and the user is prompted to the next module if the user's answers are correct