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**CONCORDIA UNIVERSITY**  
**DEPARTMENT OF**  
**COMPUTER SCIENCE AND SOFTWARE ENGINEERING**

SOEN 357. Winter 2018

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**QUIZ 3**

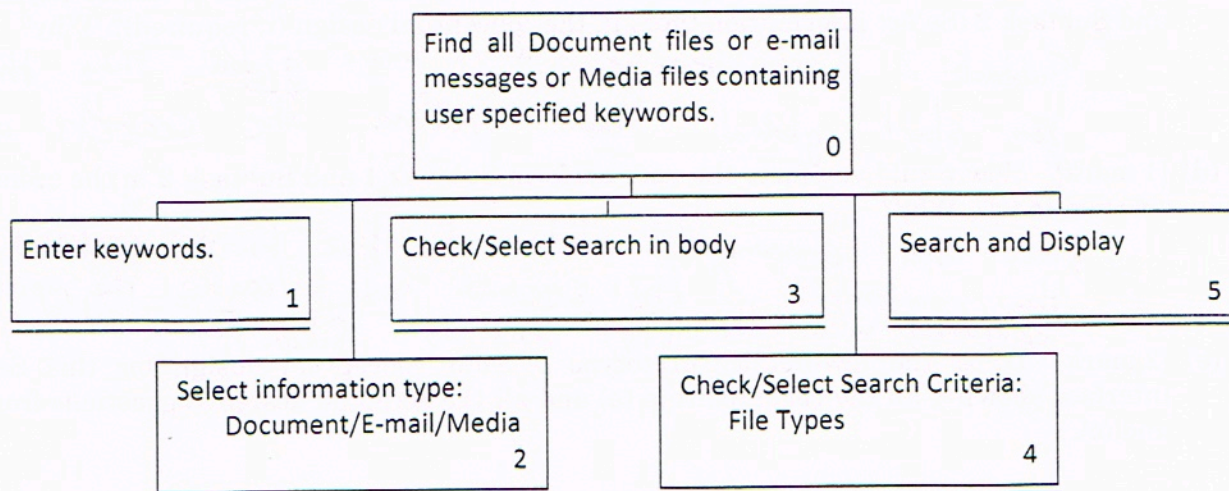
Name: \_\_\_\_\_

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**CONCEPTUAL DESIGN AND PROTOTYPING**

**Answer All Questions**  
**Answers should be properly justified**

The hierarchical task diagram of the Search interface from Quiz 2 (to find one of the following information types: (1) all Document files (of one or more types — PDFs, word processor files, spreadsheets, presentations) containing user-specified keywords in the name and optionally in the body or (2) all E-mail messages containing user-specified keywords in the subject and optionally in the body, or (3) all Media files (of one or more types — pictures, audio, video) containing user-specified keywords in the name) is given below.



Plan:

- To Search for Document files, do 1, 2, 3, 4, 5; or 2, 1, 3, 4, 5; or 1, 2, 4, 5; or 2, 1, 4, 5.
- To Search for E-mail messages, do 1, 2, 3, 5; or 2, 1, 3, 5; or 1, 2, 5; or 2, 1, 5.
- To Search for Media files, do 1, 2, 4, 5; or 2, 1, 4, 5.

This quiz is on conceptual designs for this Search interface.

(a) To perform each of the following subtasks in your conceptual design of the Search interface, state which interface control (*text entry box*, *pull-down list*, *radio buttons*, *check boxes*, or *clickable buttons*) is the most appropriate and why.

(i) [1 mark] Enter keywords.

text entry since no other option provides as many possibilities of input why? -1/2

(ii) [1 mark] Select information type (Document files/E-mail messages/Media files).

Radio button since all of the choices are mutually exclusive and there is a small number of possibilities why? -1/2



- (iii) [1 mark] Select file types (in Search Criteria of Subtask 4).

Check boxes because you can pick combinations of file types (not only one) why? -1/2

- (iv) [1 mark] Perform the search and display results.

Clickable button as it is a call to action. It is easy for the user to understand that clicking will trigger the search why? -1/2

- (b) For each of the following design suggestions, state whether you would use it in your conceptual design of the Search interface or not with proper justification.

- (i) [1 mark] Add "All File Types" option in Search Criteria for Subtask 4.

Yes I would use it in my conceptual design as this toggle will make it more efficient for users who want to search for all the file type. Instead of checking them all, they only check one why? -1/2

- (ii) [1 mark] Preselect the "All File Types" option in Search Criteria for Subtask 4.

Yes I would use it because it would make the file type section optional the search interface will return all results by default and the user will use it to filter if he wishes to why? -1/2

- (c) [1 mark] In which order would you force the user perform Subtask 1 (Enter keywords) and Subtask 2 (Select information type) in the conceptual design (if required)? Why?

Subtask 2 first because it is more global than the keyword. You start global then refine the search why? -1/2

- (d) [1 mark] How would you force the user perform Subtask 1 and Subtask 2 in the order you selected in (c)? Why?

Place the component related to the first task above the component of the second task. Disable the input of the second component until the first one is filled. Because intuitively he will pick the first task and otherwise we force him to do that why? -1/2

- (e) [2 mark] Draw the low-fidelity prototype of your conceptual design for this Search interface showing all the controls from (a) and all the accepted design suggestions from (b) and (c).

Incomplete! -1/2

\*\*\* END OF QUIZ \*\*\*