



ANSWER BOOKLET

For Instructor's Use

Question	Grade
1	24
2	10
3	39
4	
5	
6	
7	
8	
9	
10	
11	
12	
Total	73

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Course: Department: _____	Number: _____	
Division: _____	Instructor: <u>Dr Yusef Hassouni</u>	
Date: _____		
Day	Month	Year

Q1) A) to be flexible for made changes in the future and ~~add~~ add a new features that client may request also upgrade it by new technology. Moreover it will be easier to organize and maintain to fix errors, update, ---

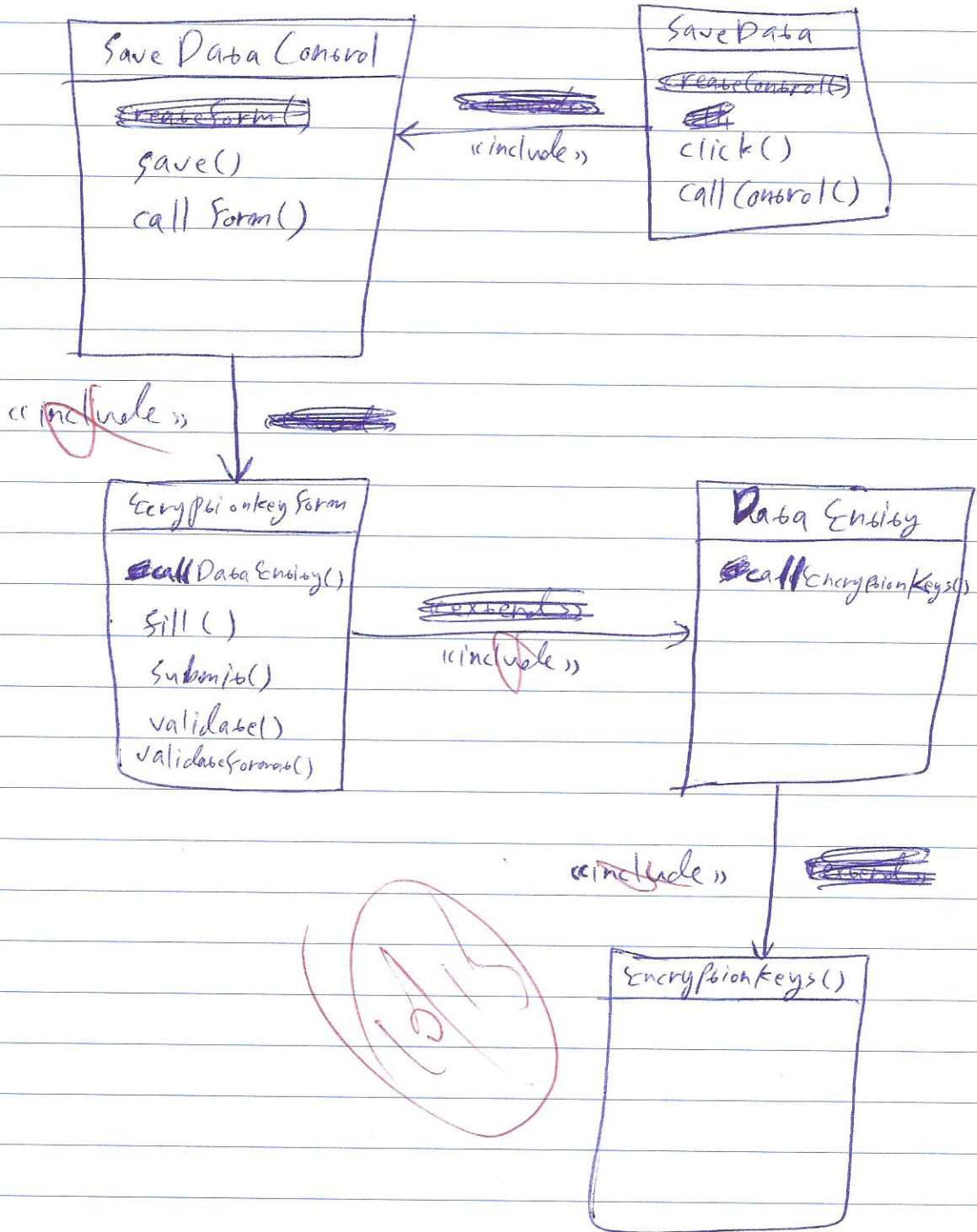
B) It is ~~not~~ a notation used in SW Management to make easier to ~~communicate~~ communicate between developers & clients, when receiving feedbacks, discussions and it's easier to understand & maintain & ~~of~~ organize it's also reduce redundancy & used in modeling the SW systems UML is Unified Modeling Language. in UML we also clearly the system by ~~translate~~ translate it to entities, relations, attributes, ---

C) the include relation can be used in anywhere and anytime in the use case, which means to call or use a feature (use case) in the system

D) it makes the system traceable and easy to go back to go back from system function to the requirement specification to check that all the requirements are fulfilled, so we can go backward & forward anytime and mapping system functions with requirements which makes system modulation & feedback easier

E) Writing the scenarios makes the developers know all interactions that might happened to the system, know the exceptional cases to handle them, make sure that developer understands the client requirements well and completely, also scenarios are understandable by users & clients so developers can get their feedbacks and notes. Scenario Writing the scenarios enables the developers to derive the use cases that the system must support to handle all requirements and exceptions

Q2)A)



Q3) A) True ✓

B) True ✓

C) True ✗

D) ~~True~~ False ✗

E) False

F) True

B) Main Flow :

~~1) The user logged online~~

by clicking on search button ←

1) The user open the library portal online and select search!

2) The system response by display a search form that contains

the search parameters the user ~~have to enter such that~~

can enter (book title, author, ISBN, Date, Category, English)

3) the user enter the informain that he like in the form ~~that~~ (at least one attribute of the book must enter) then he press search button

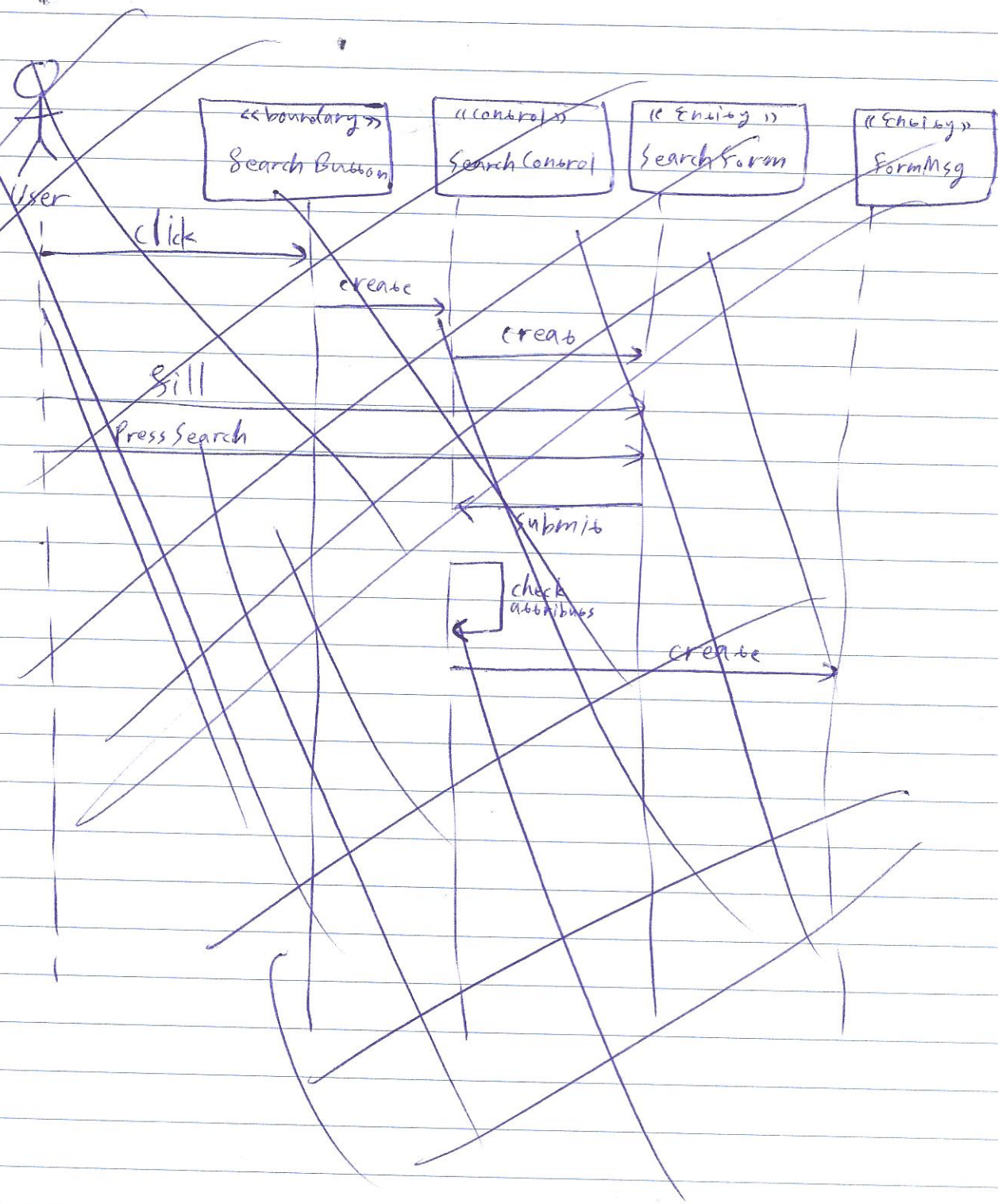
4) the system checks that as least one attribute is entered, if so, the system submit the form to the search engine as the server

5) The search engine delivered the search results to the system

~~6) The system displays the search results~~

6) →

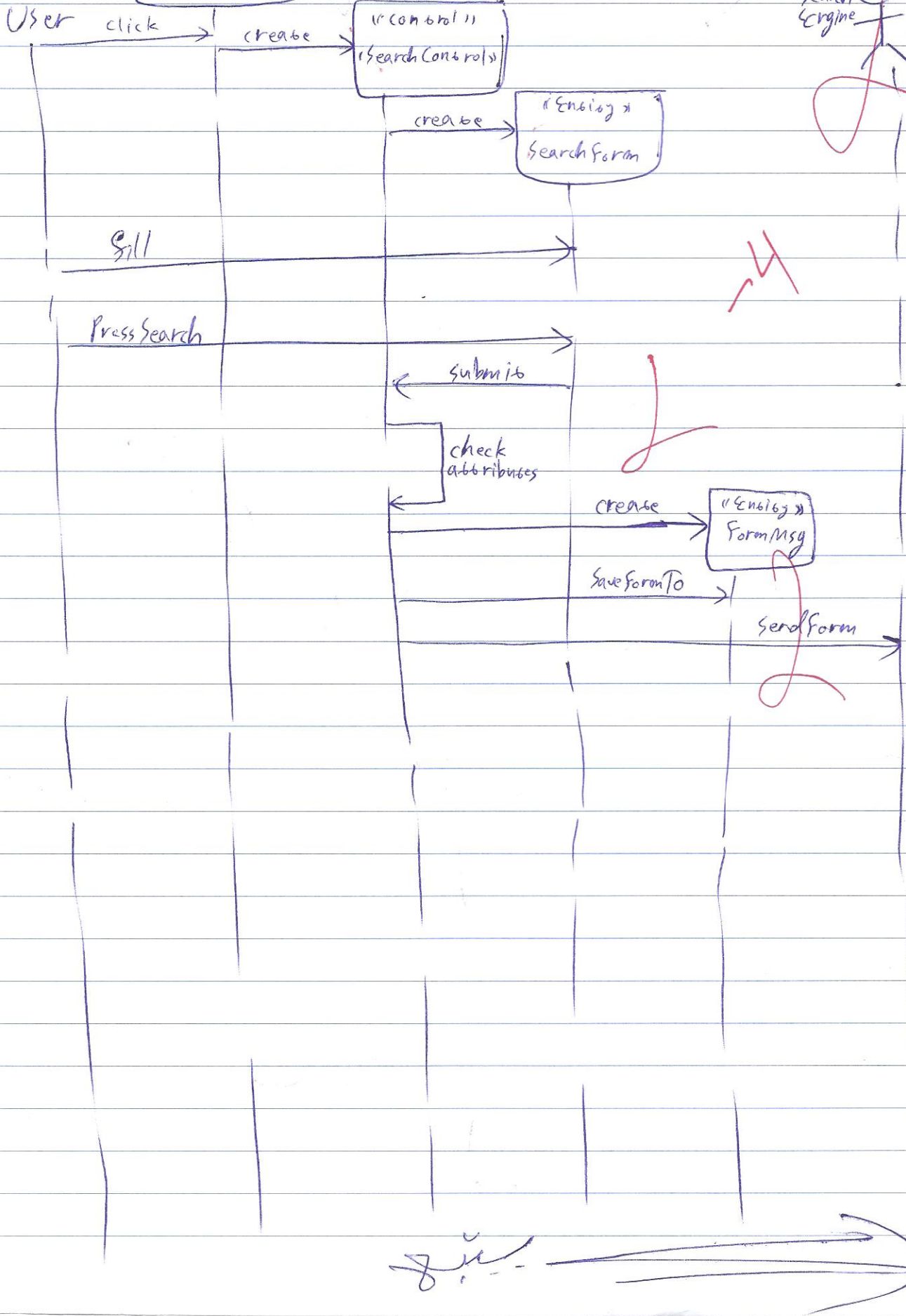
6) the system displays the search results by a pop-up window at the user terminal



(Q3)(c)



«boundary»
Search Button



Server Response diagram

