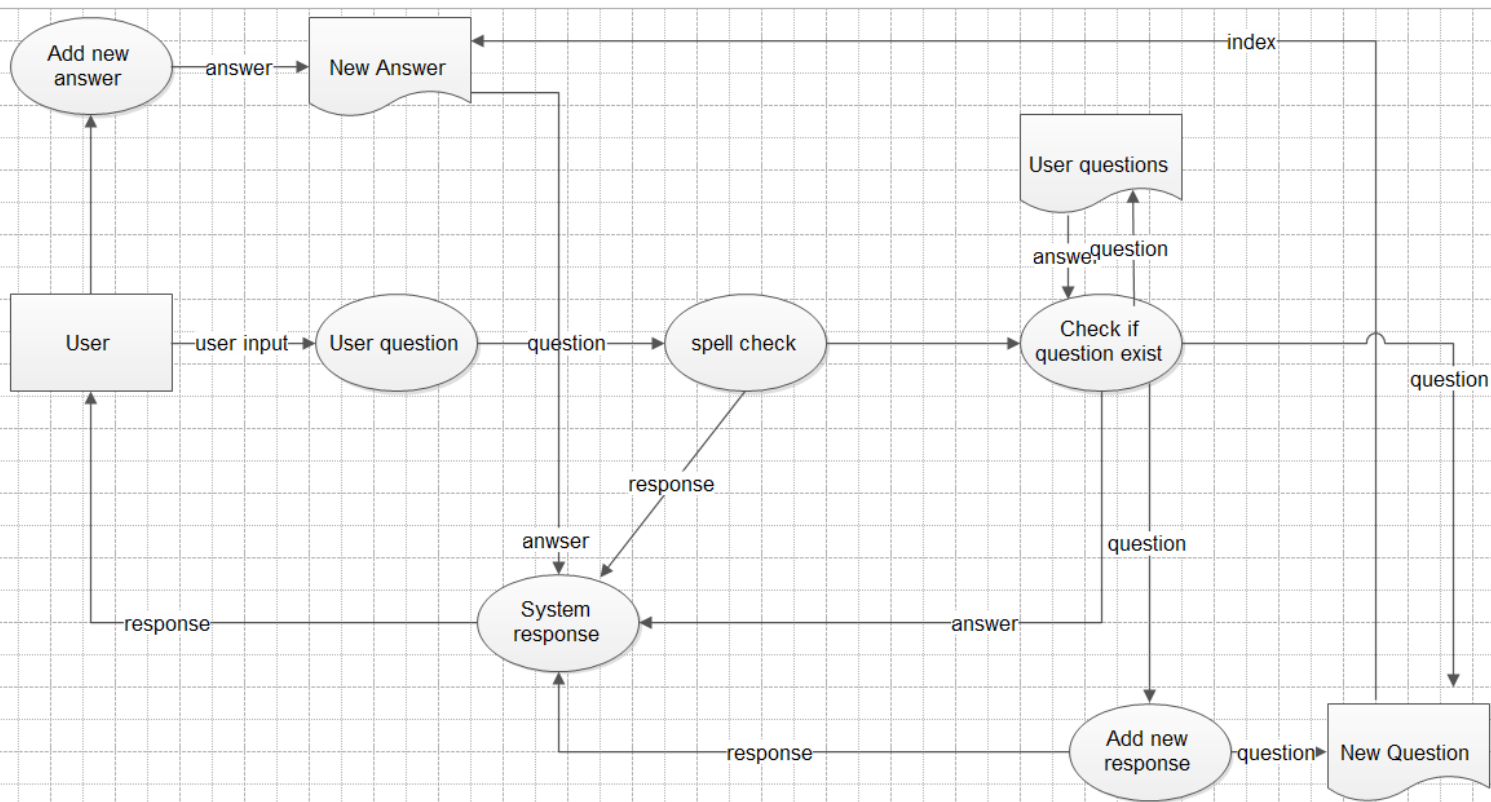
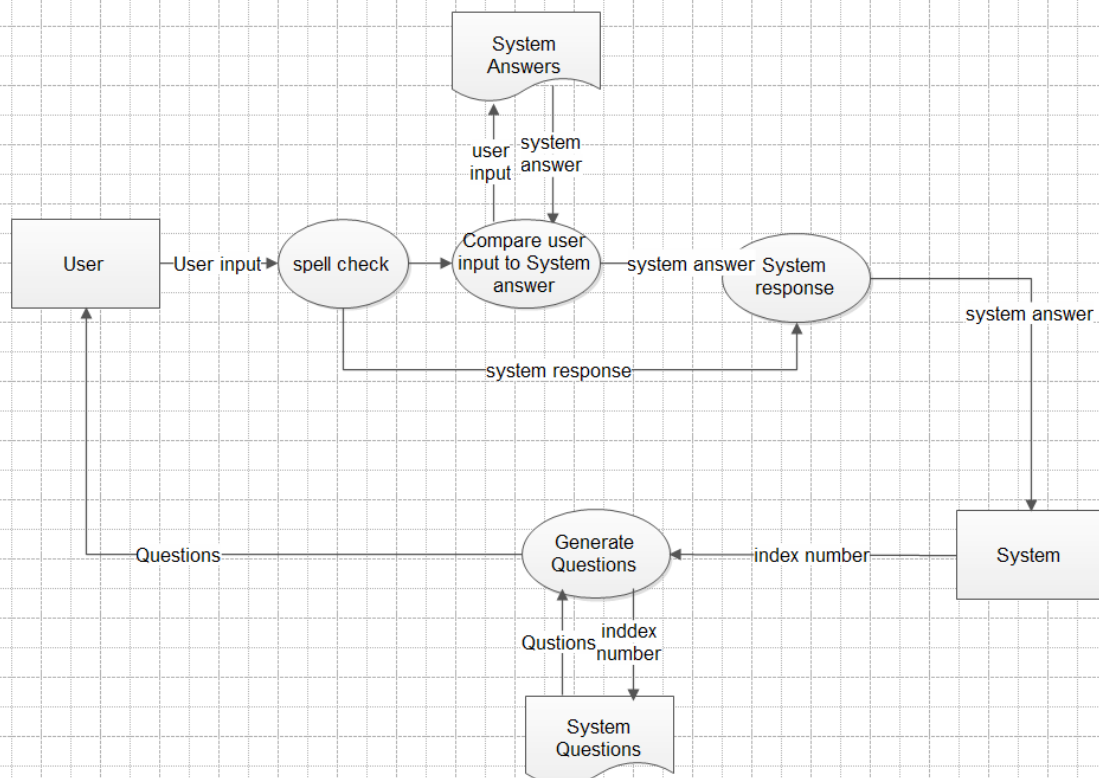


Here is my DFD for my prohrum. However, it is too complex so I decided to split the DFD diagram into two different part so it is easier to understand.



One part of the system is the user can ask questions to the system. The user will input a question for the system to get the answer. It will run through a spell check to see if the sentence which the user put make sense or not. If it does not make sense it will go to system response and output "I don't know what are you talking about". If it make sense then it will check if the question is in the array. It will try its best to get a similar question by using a levenstein distance of 20. If it has the question it will get the answer from the answer array. If it is not in the question array it will add the question into the system and ask the user for the answer for this question and store the answer.



The other part of the system is the system will ask the user some questions. Again it will run through a spell check which see if the sentence make sense or not. If it does not make sense then it will output "I don't know what are you talking about". If it does make sense it will see if the answer that the user give matches the answer key. If it is similar and have the right key word it will output "I agree" or it will say "no" and include its own answer.