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### The Prototype Case Designed for Case-Based-Learning in Bio 201

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## The Prototype Case Designed for Case-Based-Learning in Bio 201

You are a college freshman and you are very interested in biology. You liked observing frog jumps since you were a little boy. It was as if a frog made itself a beautiful sling shot when they were bouncing forward. How could frogs manage to leap such long distances? How could they become such exceptional leapers? What is the secret? Is it because they have unusually longer legs? Is it because their bones are more elastic? Is it because their muscles have special elements that generate more energy than any other animals of the same size? Is it because their joints have a special structure? You were interested in exploring this topic and you want to find some research articles that can help me understand this phenomenon.

Question 1. Before I start my research on this topic, I would like know more about the anatomy of frogs. You want to find such a book at York College Library or other CUNY libraries.

Question 2. If you want to find all the accessible E-books on frogs at York College Library or CUNY Libraries. How could you achieve that?

Question 3. In the recommended database, you want to find three peer-reviewed research articles written by researchers on the study of frog's jumping from Harvard University after 2015.

Question 4. You want to find two more peer-reviewed articles that have been done on the study of mechanical systems that imitate the movement of frogs.