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Introduction  
  
Given that we are a small company that makes web applications for users to exchange  
ideas and the major problems that we are currently facing is worrying about server load,  
improving code and application architecture, and increasing page load times by  
improving the query load and speed of query responses. On top of the features that need  
to be improved, the internal code needs massive improvement via refactoring techniques  
as all the code is in one large class, leading to methods with hundreds of lines of code,  
making it difficult to navigate and isolate faults and errors in the code. The architectures  
we can use to solve these problems are MVC, Event Sourcing, and Microservices. The  
reason microservices architecture is better than SOA is due to SOA requiring all services  
to share a common repository, adding to the query load time issue and there only existing  
a single point of failure, which does not exist when using microservices. Microservices is