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J component Write-Up

For our J Component Project for the course ‘NaturaL Language Processing’,we have planned to create a web application which by using NLP Techniques along with Machine Learning algorithm will be able to prescribe certain drugs and medicines based on objective reviews from users,defined in a dataset which contains the name of drugs along with User ID and a review.Using the review column we will be analyzing the sentiment of the review and will be categorizing the drugs from best to worst.The website will provide links to buy the medicines generated by our algorithm.We will also be integrating a chatbot which by using certain NLP Algorithm will communicate in a user-friendly manner and deliver expected knowledge about hospitals and drugs to treat the most common infections/diseases.The website will resemble of a local medical facility with options to contact and schedule appointments and understandeable data visualization of drugs and their usefulness.The dataset being used will contain over 80000 reviews to determine the best course of action and will dissipate needless commercial reviews and replace them by reviews by ordinary people which are known for saying the objective truth regarding the product inspite of their marketing,w very common for most produycts on various ecommerce bsites.The tools that we intend to use are Jupyter notebook,IBM Watson Assstant,Python Anywhere,Front End Web Tools and Anvil to deploy our Project on a suitable web server.