

## COMP9444 Assignment2 Report

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The preprocessing of reviews is concise, using regular expression match, all the html tags are removed and none letters such as quotation marks, commas and other punctuations are removed, then, all the stop words are removed.

The graph contains input layer, RNN layer, and output layer.

RNN is suitable for this task because it has memories (states) and could adjust its state according to the previous states. Based on what it has seen in the review words, the RNN layer forms a final state.

The input layer and output layer has weights and biases that could be adjusted during the training stage.

Dropouts are implemented in all three layers to prevent overfitting.