## FullyConnectedLayer:

Converts input features to a vector of a specific size, with OutputSize determining the dimension of the output.

Input: Typically a vector representing features from the previous layer.

Output: Also a vector, with a size determined by the OutputSize.

## SoftmaxLayer:

Converts the input into a probability distribution for multi-class classification.

Input: A vector, usually the output from the fully connected layer.

Output: A vector of the same size as the input, representing the probability of each class.

## ClassificationLayer:

Computes the classification loss, guiding the model's training.

Input: Typically a probability vector from the softmax layer.

Output: The loss value, used for backpropagation to update the model weights.

