### Preprocess the Data

I removed the EIN & Name from the data model, because they didn’t have information that was relevant to the model; as well as it was part of the instructions. The data was split into training and testing sets, with the target variable set as **APPLICATION\_TYPE\_T3.** APPLICATON\_df was analyzed, as CLASSIFICATION’s value was set for binning. The variable data used was encoded by using the .get dummies().

**Compile, Train, and Evaluate the Model**

The Neural Network was created and used 2 layers. The number of features is represented through the number of hidden nodes.

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

The model generated 5,981 parameters. The first attempt was at 100%, and we can’t get more accurate than that.

Graphical user interface, application, Word

Description automatically generated