Model-1: Using 1D convolutions with word embeddings

In [1]:

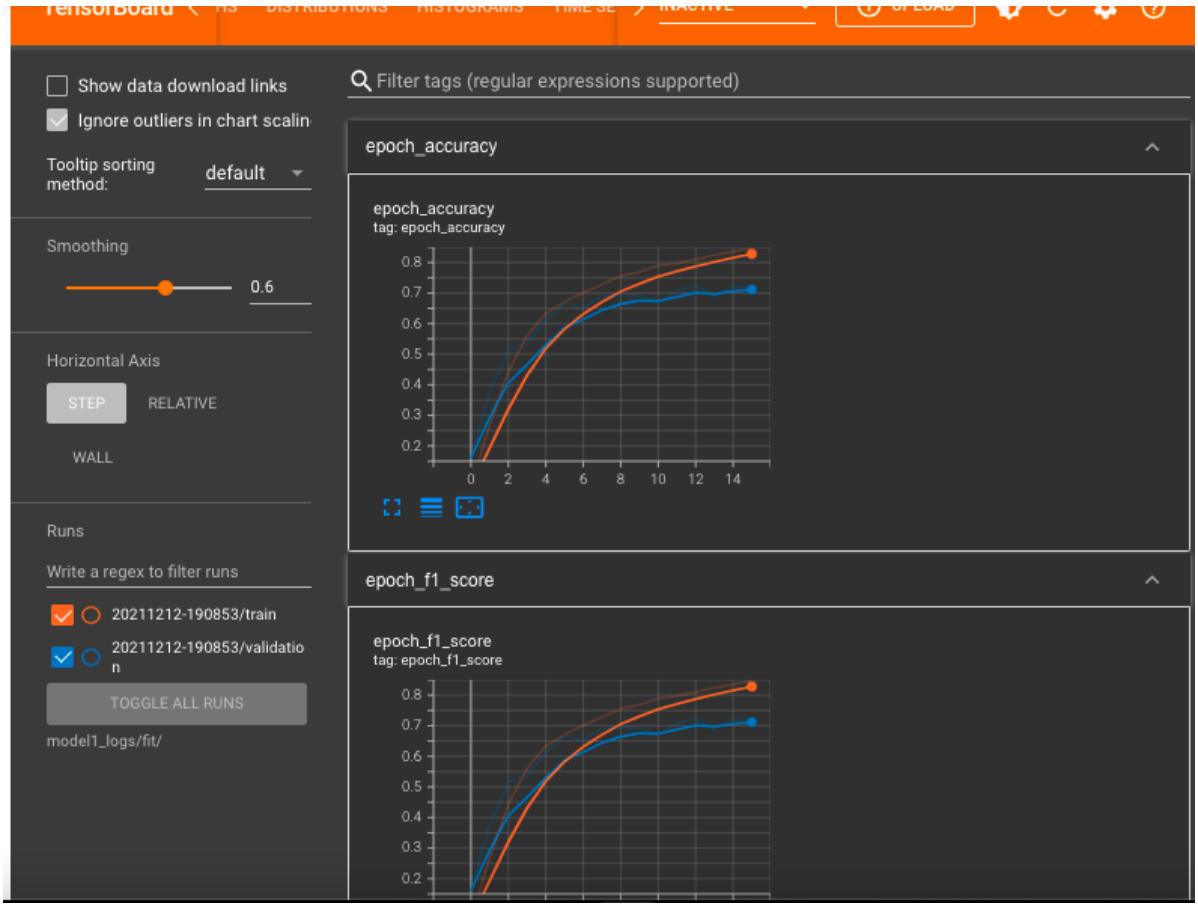
```
1 from IPython.display import Image
2 Image('image.png')
```

Out[1]:

In [2]:

```
from IPython.display import Image
Image('Screenshot 2021-12-12 at 8.30.39 PM.png')
```

Out[2]:

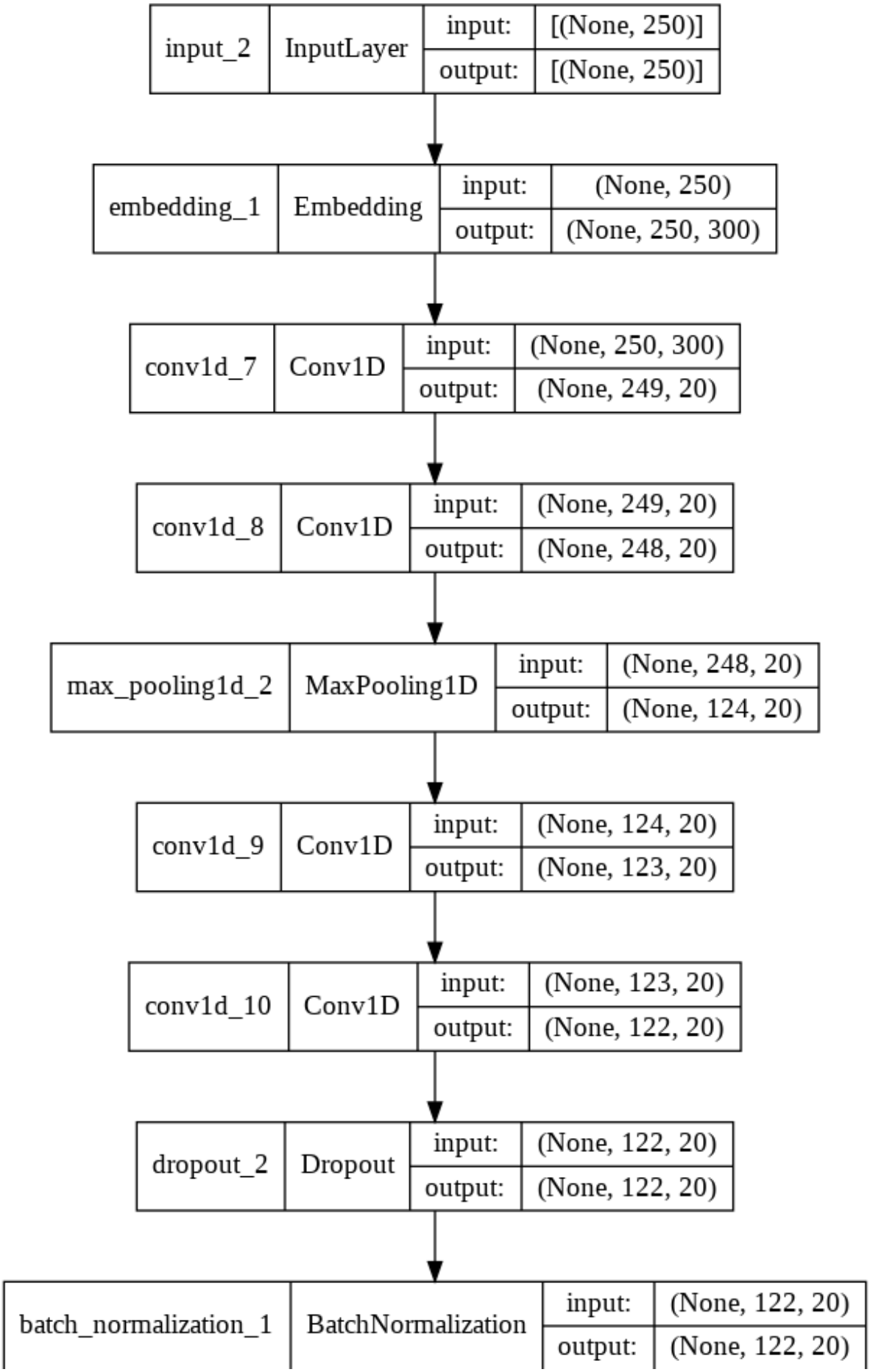


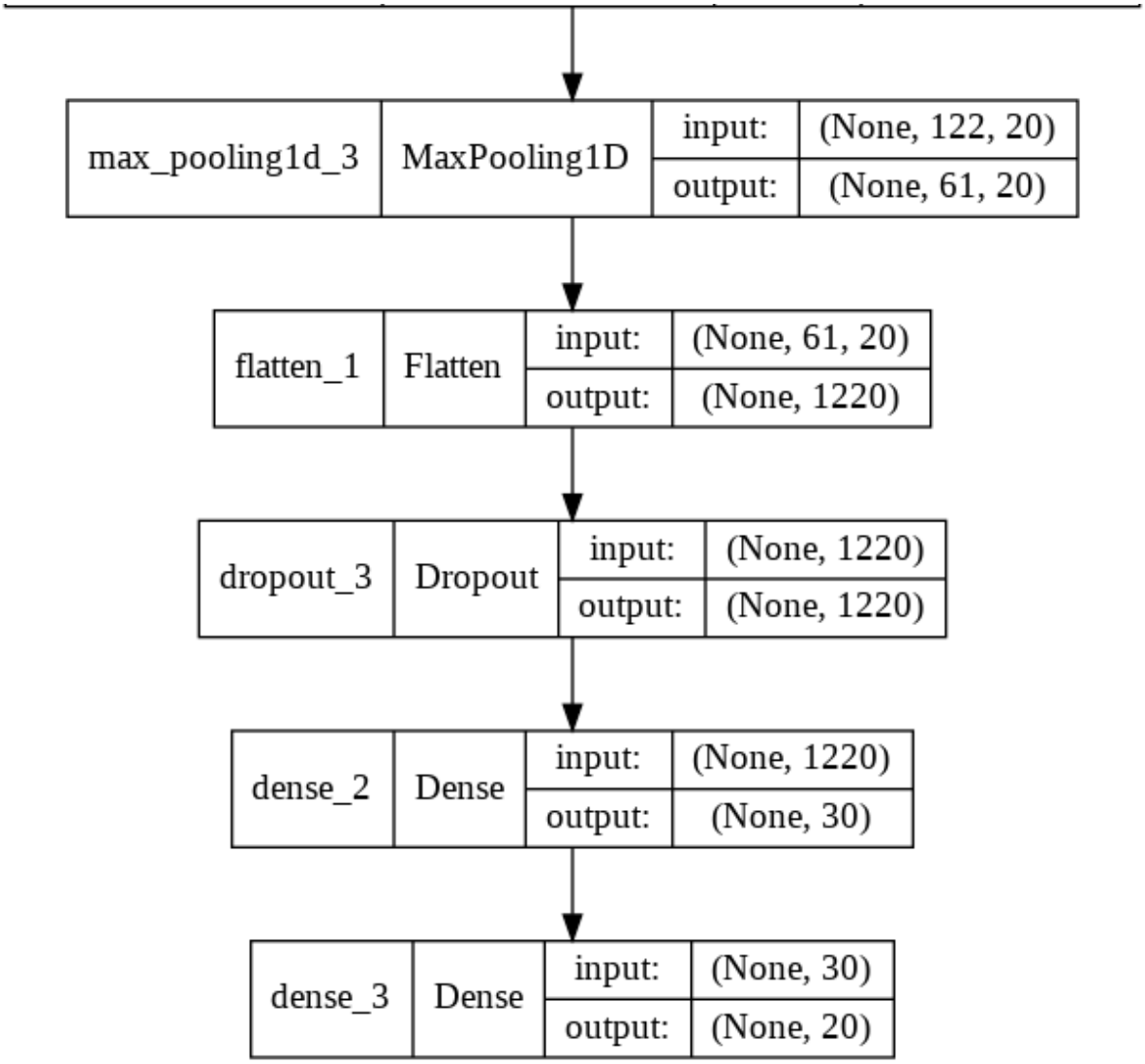
Model-2 : Using 1D convolutions with character embedding

In [3]:

```
1 from IPython.display import Image
2 Image('image_1.png')
```

Out[3]:




max_pooling1d_3
MaxPooling1D
input:
(None, 122, 20)
output:
(None, 61, 20)
flatten_1
Flatten
input:
(None, 61, 20)
output:
(None, 1220)
dropout_3
Dropout
input:
(None, 1220)
output:
(None, 1220)
dense_2
Dense
input:
(None, 1220)
output:
(None, 30)
dense_3
Dense
input:
(None, 30)
output:
(None, 20)

In [4]:

```
from IPython.display import Image
Image('Screenshot 2021-12-12 at 8.33.06 PM.png')
```

Out[4]: