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Project Development Phase

Sprint - 4

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Date	19 November 2022
Team ID	PNT2022TMID35818
Project Name	A Gesture - Based Tool for Sterile Browsing of Radiology Images

IBM Cloud Deployment:

```
In [37]: from ibm_watson_machine_learning import APIClient
         wml_credentials={
             "url":"https://us-south.ml.cloud.ibm.com",
             "apikey":"<api>"
         }

         client=APIClient(wml_credentials)
```

```
In [38]: client=APIClient(wml_credentials)
```

```
In [39]: client
```

```
Out[39]: <ibm_watson_machine_learning.client.APIClient at 0x7f34539d7df0>
```

```
In [40]: def guid_space_name(client,Gesture):
             space=client.spaces.get_details()
             return(next(item for item in space['resources'] if item['entity']['name']==Gesture)['metadata']['id'])
```

```
In [41]: space_uid=guid_space_name(client,'Gesture Based Tool for Sterile Browsing of Radiology Images')
         print("Space UID "+space_uid)

             Space UID c6cb5ca4-eff9-4c2e-8d79-f3ae6b9d2411
```

```
In [42]: client.set.default_space(space_uid)
```

```
Out[42]: 'SUCCESS'
```

```
In [46]: software_space_uid=client.software_specifications.get_uid_by_name('tensorflow_rt22.1-py3.9')
```

```
In [47]: software_space_uid
```

```
Out[47]: 'acd9c798-6974-5d2f-a657-ce06e986df4d'
```

```
In [48]: model_details = client.repository.store_model(model = 'Handgesture.tgz' , meta_props = {
             client.repository.ModelMetaNames.NAME : "Handgesture",
             client.repository.ModelMetaNames.TYPE : "tensorflow_rt22.1",
             client.repository.ModelMetaNames.SOFTWARE_SPEC_UID: software_space_uid
         })
         model_id = client.repository.get_model_id(model_details)
```

```
In [49]: model_id=client.repository.get_model_id(model_details)
```

```
In [50]: model_id
```

```
Out[50]: '1ba3e07a-515f-4934-9dbc-a2b780c1bae2'
```

```
In [51]: client.repository.download(model_id,'Handgesture1.tar.gb')
```

```
         Successfully saved model content to file: 'Handgesture1.tar.gb'
```

```
Out[51]: '/home/wsuser/work/Handgesture1.tar.gb'
```