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In [ ]: pip install sbol2
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In [ ]: from sbol2 import *
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In [ ]: doc = Document('BBa_I0462.xml')
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In [ ]: workshop = PartShop('http://localhost:7777')
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In [ ]: workshop.login('dfang97', 'dba')
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In [ ]: doc.displayId = 'workshop_test1'
doc.name = 'workshop_test1'
doc.description = 'submission for the workshop'
workshop.submit(doc)
```

```
In [ ]: parts = workshop.search('BBa_I0462')
for part in parts:
    print("Part:")
    print(part)
    print(type(part))
    print(part.displayId)
    print(part.name)
    print(part.description)
    print(part.type)
```

```
In [ ]: doc2 = Document()
for part in parts:
    uriparts = str(part).split('/')
    uri = '/'.join(uriparts[3:]) # Join all parts after the base URL
    workshop.pull(uri, doc2)
```

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In [ ]: for part in doc2:
    print(part)
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In [ ]: for part in doc2:
    uriparts = str(part).split('/')
    uri = '/'.join(uriparts[3:])
    workshop.downloadAttachment('http://localhost:3333/user/dfang97/workshop_test/BBa_I0462/1')
```