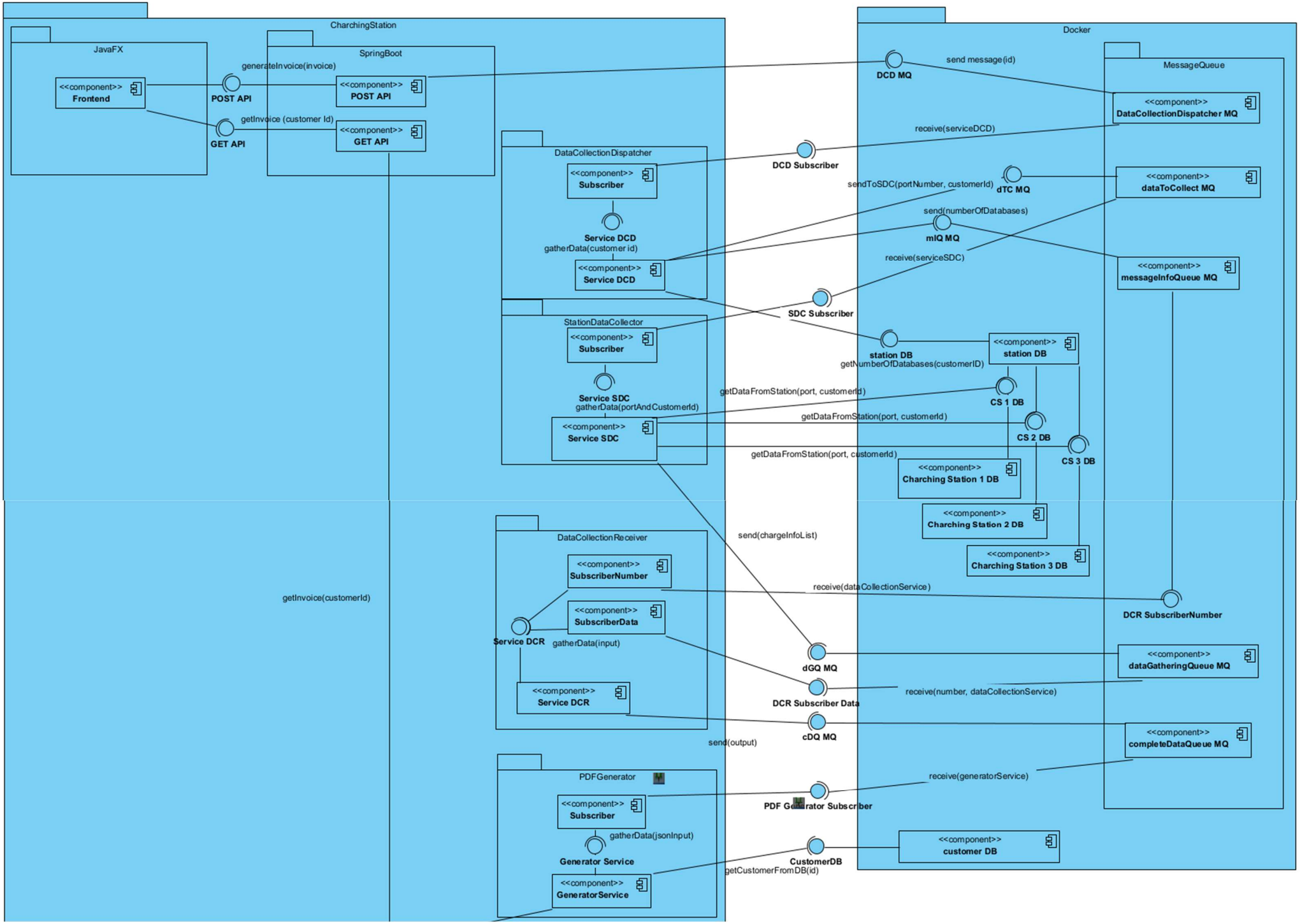
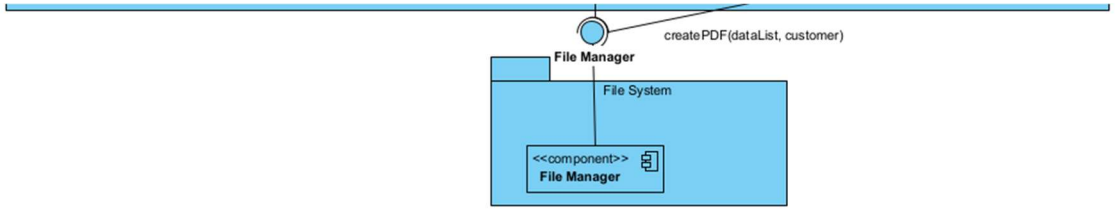

CharchingStation
JavaFX
<<component>>
Frontend
POST API
GET API
SpringBoot
generateInvoice(invoice)
<<component>>
POST API
getInvoice (customer Id)
<<component>>
GET API
DataCollectionDispatcher
<<component>>
Subscriber
Service DCD
gatherData(customer id)
<<component>>
Service DCD
StationDataCollector
<<component>>
Subscriber
Service SDC
gatherData(portAndCustomerId)
<<component>>
Service SDC
DataCollectionReceiver
<<component>>
SubscriberNumber
<<component>>
SubscriberData
Service DCR
gatherData(input)
<<component>>
Service DCR
PDFGenerator
<<component>>
Subscriber
gatherData(jsonInput)
Generator Service
<<component>>
GeneratorService
getInvoice(customerId)
Docker
DCD MQ
send message(id)
MessageQueue
<<component>>
DataCollectionDispatcher MQ
receive(serviceDCD)
DCD Subscriber
sendToSDC(portNumber, customerId)
dTC MQ
<<component>>
dataToCollect MQ
send(numberOfDatabases)
mIQ MQ
receive(serviceSDC)
<<component>>
messageInfoQueue MQ
SDC Subscriber
station DB
getNumberOfDatabases(customerID)
<<component>>
station DB
getDataFromStation(port, customerId)
CS 1 DB
getDataFromStation(port, customerId)
CS 2 DB
getDataFromStation(port, customerId)
CS 3 DB
<<component>>
Charching Station 1 DB
<<component>>
Charching Station 2 DB
<<component>>
Charching Station 3 DB
send(chargeInfoList)
receive(dataCollectionService)
DCR SubscriberNumber
dGQ MQ
<<component>>
dataGatheringQueue MQ
receive(number, dataCollectionService)
DCR Subscriber Data
cDQ MQ
send(output)
<<component>>
completeDataQueue MQ
receive(generatorService)
PDF Generator Subscriber
CustomerDB
getCustomerFromDB(id)
<<component>>
customer DB


createPDF(dataList, customer)
File Manager
File System
<<component>>
File Manager