**Regression Testing – R Selenium Documentation**

1. The Code to Run is on Server :

D:\Analytics\Pricing Engine\QA\Regression Testing.R

Index: Regression Testing.R

**===================================================================**

--- Regression Testing.R (revision 0)

+++ Regression Testing.R (revision 427)

**@@ -0,0 +1,160 @@**

+setwd("D:/Analytics/Pricing Engine/QA")

+source("rms\_libs.R", echo=TRUE)

+source("rms\_config.R")

+run <- as.integer(readline(prompt = "Enter the row number in the data frame you want the selenium to run from: "))

+

+platform <- c(tolower(str\_match(getwd(),"[[:alpha:]]+$")))

+platform2 <- ifelse(platform == "qa","test",platform)

+username <- readline(prompt = "Enter your Capture username: ")

+password <- readline(prompt = "Enter your Capture password: ")

+

+GD\_corp\_hier <- data.frame(corp\_hier[corp\_hier$div\_nbr %in% placemat\_env$Divisions,])

+GD\_corp\_hier$div\_quote <- toupper(do.call(paste, c(GD\_corp\_hier[c("div\_nbr", "div\_nm")], sep = " - ")))

+GD\_corp\_hier$area\_nbr <- do.call(paste, c(GD\_corp\_hier[c("cur\_area\_nbr", "cur\_area\_nm")], sep = " - "))

+GD\_corp\_hier <- GD\_corp\_hier[,c('area\_nbr','div\_quote','div\_nbr')]

+GD\_corp\_hier <- data.frame(GD\_corp\_hier[!duplicated(GD\_corp\_hier$div\_nbr),])

+#View(GD\_corp\_hier)

+GD\_acct\_addr2 <- acct\_addr2[acct\_addr2$division\_nbr %in% placemat\_env$Divisions,]

+GD\_acct\_addr2 <- data.frame(GD\_acct\_addr2[!duplicated(GD\_acct\_addr2$division\_nbr),])

+GD\_acct\_addr2$infodiv\_quote <- ifelse(nchar(GD\_acct\_addr2$infopro\_div\_nbr) == 3,GD\_acct\_addr2$infopro\_div\_nbr,paste0("0",GD\_acct\_addr2$infopro\_div\_nbr))

+GD\_acct\_addr2 <- GD\_acct\_addr2[,c('division\_nbr','infodiv\_quote','site\_addr\_line\_1','site\_addr\_line\_2','site\_city','site\_state','zip\_code')]

+GD\_acct\_addr2 <- rename(GD\_acct\_addr2, c("division\_nbr"="div\_nbr","site\_addr\_line\_1"="addr\_line.1","site\_addr\_line\_2"="addr\_line.2","site\_city"="addr\_city","site\_state"="addr\_state","zip\_code"="addr\_zip"))

+#View(GD\_acct\_addr2)

+GD\_acct\_nbr <- data.frame(com\_str\_pilot\_priced[!duplicated(com\_str\_pilot\_priced$division),])

+GD\_acct\_nbr <- GD\_acct\_nbr[,c('division','customer')]

+GD\_acct\_nbr <- rename(GD\_acct\_nbr, c("division"="div\_nbr"))

+#View(GD\_acct\_nbr)

+mid\_data <- merge(GD\_acct\_nbr, GD\_corp\_hier, by.x = "div\_nbr", by.y = "div\_nbr")

+Final\_data <- merge(mid\_data, GD\_acct\_addr2, by.x = "div\_nbr", by.y = "div\_nbr")

+Final\_data$act\_nbr <- do.call(paste, c(Final\_data[c("infodiv\_quote", "customer")], sep = "-"))

+Final\_data <- Final\_data[,!(names(Final\_data) %in% c('customer'))]

+#View(Final\_data)

+attach\_data <- expand.grid(indus\_quote=c("Automotive","Construction","Education","Healthcare",

+ "Hospitality","Manufacturing","Professional Services",

+ "Restaurant","Retail","Other"),

+ seg\_quote=c("Performance","Price","Environmental"),

+ s.waste\_type=c("Solid Waste","OCC - Clean","All in One - Single stream"),

+ s.quantity=c("1","2","3","4"),

+ s.cont\_size=c("1 yard","2 yard","3 yard","4 yard","6 yard","8 yard"),

+ s.haul\_freq=c("1/Week","2/Week","3/Week","4/Week","5/Week"),

+ l.container\_kind=c("Open Top","Self-Contained Compactor","Stationary Compactor"),

+ l.billing\_type=c("Haul + Disposal","Haul + Minimum Tonnage","Flat Rate + Overage"),

+ l.waste\_type=c("Solid Waste","OCC - Clean","All in One - Single stream"),

+ s.route\_type=c("Front Load","Rear Load"),

+ l.quantity=c("1","2","3","4"),

+ l.cont\_size=c("20","30","40"),

+ stringsAsFactors=FALSE)

+setkey(corp\_container\_map,container\_cd)

+setkey(div\_container\_size,container\_cd)

+part\_map <- data.frame(div\_container\_size[corp\_container\_map])

+part\_map <- part\_map[part\_map$container\_cd != "CA",]

+part\_map <- part\_map[part\_map$has\_compactor != 1,]

+part\_map <- part\_map[part\_map$containersize < 9,]

+part\_map$cont\_size <- paste(as.integer(part\_map$containersize),"yard",sep=" ")

+part\_map <- part\_map[,!(names(part\_map) %in% c('containersize','container\_cd','has\_compactor'))]

+part\_map$flag <- 1

+attach\_data <- data.frame(attach\_data[sample(nrow(attach\_data),231),])

+for(i in (1:231)){

+ Final\_data[i,"row"] <- i

+ attach\_data[i,"row"] <- i

+}

+Final\_data\_2 <- merge(Final\_data, attach\_data, by.x = "row", by.y = "row")

+Final\_data\_2 = merge(Final\_data\_2, part\_map, by.x=c("div\_nbr", "s.waste\_type","s.route\_type","s.cont\_size"), by.y=c("division", "waste\_type","route\_type","cont\_size"))

+Final\_data\_2 <- Final\_data\_2[,!(names(Final\_data\_2) %in% c('row','div\_nbr','flag'))]

+Final\_data\_2 <- data.frame(Final\_data\_2[sample(nrow(Final\_data\_2),17),])

+#View(Final\_data\_2)

+for(i in (1:17)){

+ sales\_act <- ifelse(i<=3,"New/New",

+ ifelse(i<=6,"New from Competitor",

+ ifelse(i<=14,"Existing Customer","Change of Owner")))

+ act <- ifelse(i<=6,"",

+ ifelse(i %in% c(7,17),"new\_cont",

+ ifelse(i %in% c(8,16),"serv\_chg",

+ ifelse((i>=9 && i<=11),"rate\_adj",

+ ifelse(i %in% c(12,13),"close\_cont",

+ ifelse(i==14,"new\_site","no\_serv\_chg"))))))

+ act2 <- ifelse((i<=8 || i>=14),"",

+ ifelse(i==9,"PI",

+ ifelse(i==10,"rollback\_PI",

+ ifelse(i==11,"rollback\_CB",

+ ifelse(i==12,"LOC","comp\_pricing")))))

+ container\_type <- ifelse(i %in% c(1,4,7,14,17),"small\_container",

+ ifelse(i %in% c(2,5),"large\_container",

+ ifelse(i %in% c(3,6),"small & large","")))

+ zeros <- ifelse(i %in% c(1,3,4,6,7,14,17),0,"")

+ zeros2 <- ifelse(i %in% c(2,3,5,6),0,"")

+

+ Final\_data\_2[i,"sales\_act"] <- sales\_act

+ Final\_data\_2[i,"act"] <- act

+ Final\_data\_2[i,"act2"] <- act2

+ Final\_data\_2[i,"s.comp\_bid"] <- ifelse(i==11,"90","")

+ Final\_data\_2[i,"competitor"] <- "WASTE MANAGEMENT"

+ Final\_data\_2[i,"tester\_name"] <- "Gaurav"

+ Final\_data\_2[i,"act\_nbr"] <- ifelse(i<=6,"",Final\_data\_2[i,"act\_nbr"])

+ Final\_data\_2[i,"actype\_quote"] <- "Permanent"

+ Final\_data\_2[i,"site\_name"] <- "Test Site"

+ Final\_data\_2[i,"addr\_phone"] <- "555-555-5555"

+ Final\_data\_2[i,"addr\_contact.name"] <- "GD"

+ Final\_data\_2[i,"addr\_contact.email"] <- "aa@gmail.com"

+ Final\_data\_2[i,"container\_type"] <- container\_type

+ Final\_data\_2[i,"s.waste\_type"] <- ifelse(i %in% c(2,5,9,10,11,12,13,15),"",Final\_data\_2[i,"s.waste\_type"])

+ Final\_data\_2[i,"s.route\_type"] <- ifelse(i %in% c(2,5,9,10,11,12,13,15),"",Final\_data\_2[i,"s.route\_type"])

+ Final\_data\_2[i,"s.quantity"] <- ifelse(i %in% c(2,5,9,10,11,12,13,15),"",Final\_data\_2[i,"s.quantity"])

+ Final\_data\_2[i,"s.cont\_size"] <- ifelse(i %in% c(2,5,9,10,11,12,13,15),"",Final\_data\_2[i,"s.cont\_size"])

+ Final\_data\_2[i,"s.cont\_code"] <- ifelse(i %in% c(8,16),"FL","")

+ Final\_data\_2[i,"s.haul\_freq"] <- ifelse(i %in% c(2,5,9,10,11,12,13,15),"",Final\_data\_2[i,"s.haul\_freq"])

+ Final\_data\_2[i,"s.cust\_owned"] <- zeros

+ Final\_data\_2[i,"s.compactor"] <- zeros

+ Final\_data\_2[i,"s.req\_pickdays"] <- zeros

+ Final\_data\_2[i,"s.pick\_mon"] <- zeros

+ Final\_data\_2[i,"s.pick\_tue"] <- zeros

+ Final\_data\_2[i,"s.pick\_wed"] <- zeros

+ Final\_data\_2[i,"s.pick\_thu"] <- zeros

+ Final\_data\_2[i,"s.pick\_fri"] <- zeros

+ Final\_data\_2[i,"s.pick\_sat"] <- zeros

+ Final\_data\_2[i,"s.pick\_sun"] <- zeros

+ Final\_data\_2[i,"s.lock"] <- ""

+ Final\_data\_2[i,"s.enclosure"] <- zeros

+ Final\_data\_2[i,"s.casters"] <- zeros

+ Final\_data\_2[i,"s.rollout"] <- ""

+ Final\_data\_2[i,"s.scout\_route"] <- zeros

+ Final\_data\_2[i,"s.add\_onsite\_time"] <- ""

+ Final\_data\_2[i,"l.container\_kind"] <- ifelse(i %in% c(2,3,5,6),Final\_data\_2[i,"l.container\_kind"],"")

+ Final\_data\_2[i,"l.billing\_type"] <- ifelse(i %in% c(2,3,5,6),Final\_data\_2[i,"l.billing\_type"],"")

+ Final\_data\_2[i,"l.rental"] <- ifelse(i %in% c(2,3,5,6),"Monthly","")

+ Final\_data\_2[i,"l.waste\_type"] <- ifelse(i %in% c(2,3,5,6),Final\_data\_2[i,"l.waste\_type"],"")

+ Final\_data\_2[i,"l.quantity"] <- ifelse(i %in% c(2,3,5,6),Final\_data\_2[i,"l.quantity"],"")

+ Final\_data\_2[i,"l.cont\_size"] <- ifelse(i %in% c(2,3,5,6),Final\_data\_2[i,"l.cont\_size"],"")

+ Final\_data\_2[i,"l.cust\_owned"] <- zeros2

+ Final\_data\_2[i,"l.haul\_freq"] <- ifelse(i %in% c(2,3,5,6),"On-Call","")

+ Final\_data\_2[i,"l.est\_haul\_month"] <- ifelse(i %in% c(2,3,5,6),"1","")

+ Final\_data\_2[i,"l.ton\_in\_haul"] <- ifelse(i %in% c(2,3,5,6),"4","")

+ Final\_data\_2[i,"l.est\_tons\_per\_haul"] <- ifelse(i %in% c(2,3,5,6),"4","")

+ Final\_data\_2[i,"l.min\_tons\_per\_haul"] <- ifelse(i %in% c(2,3,5,6),"2","")

+ Final\_data\_2[i,"l.req\_pickdays"] <- zeros2

+ Final\_data\_2[i,"l.pick\_mon"] <- zeros2

+ Final\_data\_2[i,"l.pick\_tue"] <- zeros2

+ Final\_data\_2[i,"l.pick\_wed"] <- zeros2

+ Final\_data\_2[i,"l.pick\_thu"] <- zeros2

+ Final\_data\_2[i,"l.pick\_fri"] <- zeros2

+ Final\_data\_2[i,"l.pick\_sat"] <- zeros2

+ Final\_data\_2[i,"l.pick\_sun"] <- zeros2

+ Final\_data\_2[i,"l.st\_cust\_owned"] <- zeros2

+ Final\_data\_2[i,"l.comp\_val"] <- ""

+ Final\_data\_2[i,"l.add\_paper"] <- zeros2

+ Final\_data\_2[i,"l.disp\_tik\_sign"] <- zeros2

+ Final\_data\_2[i,"l.wash\_every\_haul"] <- zeros2

+ Final\_data\_2[i,"l.des\_disp\_site"] <- zeros2

+ Final\_data\_2[i,"l.cust\_override"] <- ifelse(i %in% c(2,3,5,6),"10","")

+ Final\_data\_2[i,"l.rnd\_override"] <- ifelse(i %in% c(2,3,5,6),"149","")

+ Final\_data\_2[i,"l.disp\_override"] <- ifelse(i %in% c(2,3,5,6),"20","")

+ Final\_data\_2[i,"fee.FRF"] <- 1

+ Final\_data\_2[i,"fee.ERF"] <- 1

+ Final\_data\_2[i,"fee.admin"] <- 1

+ Final\_data\_2[i,"fee.waivereason"] <- ""

+ Final\_data\_2[i,"init\_term"] <- "36"

+ Final\_data\_2[i,"ren\_term"] <- "36"

+}

+View(Final\_data\_2)

+

+Regression\_testing(Final\_data\_2,Run,username,password)

\ No newline at end of file

1. Specify the Directory you want to work from along with the row you would like to start testing with in the data frame to be created.
2. Input your Username and password.

This Code creates the Data in a format for 17 type of regression testing quotes by randomizing the values of each input attribute and then removing the invalid cases by using business rules.

Tables used:

corp\_hier

acct\_addr2

com\_str\_pilot\_priced

corp\_container\_map

div\_container\_size

The code mentioned above prepared the input data to be pushed in to a R Selenium Engine which can run the following type of cases:

**New/New and New from Competitor:**

Small container  
Large Container  
Small and Large Container

**Existing Customer:**Service Change  
Price Adjustment:  
PI  
RollBack due to PI  
Rollback due to competitive bid  
Close Container:  
Close Container: Competitive Bid  
Close Container: Competitor Pricing  
New Small Container  
New Large Container  
New Small and Large Container

**Change of Owner:**No Service Change  
Service Change  
New Container

The Code Below is the R Selenium function which takes the Data frame, which row to run from and username password for capture as an input to run the quotes in an automated browser.

Index: func\_pricing.R

**===================================================================**

--- func\_pricing.R (revision 425)

+++ func\_pricing.R (revision 426)

**@@ -4062,4 +4062,491 @@**

if (lob == "large") {

}

+}

+

+Regression\_testing <- function(df,Run,user,pw) {

+

+ require(RSelenium)

+ require(testthat)

+ require(xlsxjars)

+ require(xlsx)

+ # support function to ease drop down pain

+ getDropDownOptions <- function(value, using = "name") {

+ ddElem <- remDr$findElement(using, value)

+ subElems <- ddElem$findChildElements(using = "tag name", value = "option")

+ subElemText <- unlist(sapply(subElems, function(x) x$getElementText()))

+ subElemText

+ }

+

+ checkForServer() # note that this will download the server if not present

+ startServer()

+

+ remDr <- remoteDriver(browserName = "chrome")

+ Sys.sleep(10)

+

+

+ # if using chrome, we must have the chromedriver installed

+ # I chose to install 2.10 in the C:\RTools\bin path since this is already

+ # part of the system path

+ # driver can be found at http://chromedriver.storage.googleapis.com/index.html

+ remDr$open()

+

+ # navigate to page 1 - Login

+ remDr$navigate(paste0("https://",platform2,"republicservices.bigmachines.com/commerce/display\_company\_profile.jsp"))

+ ##Sys.sleep(5)

+ user <- "dawarga"

+ pw <- "Gr88isgod!"

+ remDr$findElement(using = 'name', value = "username")$sendKeysToElement(list(user))

+ remDr$findElement(using = 'name', value = "psword")$sendKeysToElement(list(pw, key = "enter"))

+ for(i in (Run:nrow(df))) {

+

+ remDr$navigate(paste0("https://",platform2,"republicservices.bigmachines.com/commerce/buyside/document.jsp?process=quickstart\_commerce\_process&formaction=create&search\_id=-1"))

+ area\_nbr <- df$area\_nbr[i]

+ div\_quote <- df$div\_quote[i]

+ infodiv\_quote <- df$infodiv\_quote[i]

+ sales\_act <- df$sales\_act[i]

+ act <- df$act[i]

+ act2 <- df$act2[i]

+ competitor <- df$competitor[i]

+ tester\_name <- df$tester\_name[i]

+ act\_nbr <- df$act\_nbr[i]

+ indus\_quote <- df$indus\_quote[i]

+ seg\_quote <- df$seg\_quote[i]

+ actype\_quote <- df$actype\_quote[i]

+ site\_name <- df$site\_name[i]

+ addr\_line.1 <- df$addr\_line.1[i]

+ addr\_line.2 <- df$addr\_line.2[i]

+ addr\_city <- df$addr\_city[i]

+ addr\_state <- df$addr\_state[i]

+ addr\_zip <- df$addr\_zip[i]

+ addr\_phone <- df$addr\_phone[i]

+ addr\_contact.name <- df$addr\_contact.name[i]

+ addr\_contact.email <- df$addr\_contact.email[i]

+ container\_type <- df$container\_type[i]

+

+

+ s.waste\_type <- df$s.waste\_type[i]

+ s.route\_type <- df$s.route\_type[i]

+ s.cont\_code <- df$s.cont\_code[i]

+ s.comp\_bid <- as.character(df$s.comp\_bid[i])

+ s.cust\_owned <- as.integer(df$s.cust\_owned[i])

+ s.compactor <- as.integer(df$s.compactor[i])

+ s.quantity <- as.character(df$s.quantity[i])

+ s.cont\_size <- df$s.cont\_size[i]

+ s.haul\_freq <- df$s.haul\_freq[i]

+ s.req\_pickdays <- as.integer(df$s.req\_pickdays[i])

+ s.pick\_mon <- as.integer(df$s.pick\_mon[i])

+ s.pick\_tue <- as.integer(df$s.pick\_tue[i])

+ s.pick\_wed <- as.integer(df$s.pick\_wed[i])

+ s.pick\_thu <- as.integer(df$s.pick\_thu[i])

+ s.pick\_fri <- as.integer(df$s.pick\_fri[i])

+ s.pick\_sat <- as.integer(df$s.pick\_sat[i])

+ s.pick\_sun <- as.integer(df$s.pick\_sun[i])

+ s.lock <- df$s.lock[i]

+ s.enclosure <- as.integer(df$s.enclosure[i])

+ s.casters <- as.integer(df$s.casters[i])

+ s.rollout <- df$s.rollout[i]

+ s.scout\_route <- as.integer(df$s.scout\_route[i])

+ s.add\_onsite\_time <- df$s.add\_onsite\_time[i]

+

+

+

+ l.container\_kind <- df$l.container\_kind[i]

+ l.billing\_type <- df$l.billing\_type[i]

+ l.rental <- df$l.rental[i]

+ l.waste\_type <- df$l.waste\_type[i]

+ l.quantity <- as.character(df$l.quantity[i])

+ l.cont\_size <- df$l.cont\_size[i]

+ l.cust\_owned <- as.integer(df$l.cust\_owned[i])

+ l.haul\_freq <- df$l.haul\_freq[i]

+ l.est\_haul\_month <- as.character(df$l.est\_haul\_month[i])

+ l.ton\_in\_haul <- as.character(df$l.ton\_in\_haul[i])

+ l.est\_tons\_per\_haul <- as.character(df$l.est\_tons\_per\_haul[i])

+ l.min\_tons\_per\_haul <- as.character(df$l.min\_tons\_per\_haul[i])

+ l.req\_pickdays <- as.integer(df$l.req\_pickdays[i])

+ l.pick\_mon <- as.integer(df$l.pick\_mon[i])

+ l.pick\_tue <- as.integer(df$l.pick\_tue[i])

+ l.pick\_wed <- as.integer(df$l.pick\_wed[i])

+ l.pick\_thu <- as.integer(df$l.pick\_thu[i])

+ l.pick\_fri <- as.integer(df$l.pick\_fri[i])

+ l.pick\_sat <- as.integer(df$l.pick\_sat[i])

+ l.pick\_sun <- as.integer(df$l.pick\_sun[i])

+ l.st\_cust\_owned <- as.integer(df$l.st\_cust\_owned[i])

+ l.comp\_val <- df$l.comp\_val[i]

+ l.add\_paper <- as.integer(df$l.add\_paper[i])

+ l.disp\_tik\_sign <- as.integer(df$l.disp\_tik\_sign[i])

+ l.wash\_every\_haul <- as.integer(df$l.wash\_every\_haul[i])

+ #l.des\_disp\_site <- df$l.des\_disp\_site[i]

+ #l.cust\_override <- df$l.cust\_override[i]

+ #l.rnd\_override <- df$l.rnd\_override[i]

+ #l.disp\_override <- df$l.disp\_override[i]

+ ##Page 6 : Final Pricing Page

+ fee.FRF <- as.integer(df$fee.FRF[i])

+ fee.ERF <- as.integer(df$fee.ERF[i])

+ fee.admin <- as.integer(df$fee.admin[i])

+ fee.waivereason <- df$fee.waivereason[i]

+ init\_term <- df$init\_term[i]

+ ren\_term <- df$ren\_term[i]

+

+

+

+

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_area\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("area\_quote")==area\_nbr),

+ "]"))$clickElement()

+ Sys.sleep(3)

+

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_division\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("division\_quote")==div\_quote),

+ "]"))$clickElement()

+ Sys.sleep(3)

+

+ if(str\_detect(div\_quote,"4529|4884|4792|3231|4346|4491|4823|4784|4260|4262|4097|4853|4855") == TRUE){

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_infoProDivision\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("infoProDivision\_quote")==infodiv\_quote),

+ "]"))$clickElement()

+ }

+ Sys.sleep(3)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_salesActivity\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("salesActivity\_quote")==sales\_act),

+ "]"))$clickElement()

+ Sys.sleep(4)

+ if(sales\_act == "New from Competitor") {

+

+ remDr$findElement(using = "name", value = "competitor\_quote")$sendKeysToElement(list(competitor))

+ Sys.sleep(3)

+ }

+ quote\_nbr <- remDr$findElement(using = "id", value = "readonly\_1\_quoteNumber\_quote")$getElementText()[[1]]

+ print(i)

+ print(paste(sales\_act,"\_",act,"\_",act2,"-",container\_type,"-",quote\_nbr))

+

+ if(sales\_act == "New/New") quote\_desc <- "Regression Automated Testing - New Large and Small"

+ if(sales\_act == "New from Competitor") quote\_desc <- "Regression Automated Testing - New from competitor Large and Small"

+ if(sales\_act == "Existing Customer" && act == "serv\_chg") quote\_desc <- "Regression Automated Testing - Existing serv chg"

+ if(sales\_act == "Existing Customer" && act == "rate\_adj") quote\_desc <- "Regression Automated Testing - Existing rate adj"

+ if(sales\_act == "Existing Customer" && act == "close\_cont") quote\_desc <- "Regression Automated Testing - Existing close cont"

+ if(sales\_act == "Existing Customer" && act == "new\_cont") quote\_desc <- "Regression Automated Testing - Existing new cont"

+ if(sales\_act == "Existing Customer" && act == "new\_site") quote\_desc <- "Regression Automated Testing - Existing new site"

+ if(sales\_act == "Change of Owner" && act == "no\_serv\_chg") quote\_desc <- "Regression Automated Testing - change of owner no serv change"

+ if(sales\_act == "Change of Owner" && act == "serv\_chg") quote\_desc <- "Regression Automated Testing - change of owner serv change"

+ if(sales\_act == "Change of Owner" && act == "new\_cont") quote\_desc <- "Regression Automated Testing - change of owner new cont"

+

+ remDr$findElement(using = "name", value = "quoteDescriptionLong\_quote")$sendKeysToElement(list(quote\_desc," - ",tester\_name))

+ remDr$findElement(using = "name", value = "next")$clickElement()

+

+ if(sales\_act == "Existing Customer" || sales\_act == "Change of Owner"){

+ remDr$findElement(using = "name", value = "select\_customer")$clickElement()

+ x<-remDr$getWindowHandles()

+

+ w1 <- strsplit( x[[1]],' ')[[1]]

+ w2 <- strsplit( x[[1]],' ')[[2]]

+ remDr$switchToWindow(w2)

+ Sys.sleep(3)

+ remDr$findElement(using = "name", value = "\_customer\_id~0")$sendKeysToElement(list(act\_nbr))

+ Sys.sleep(4)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='search']"))$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using='xpath',

+ paste0("/html/body/table/tbody/tr/td[2]/form/table[2]/tbody/tr[2]/td[2]/a"))$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='populate']"))$clickElement()

+ Sys.sleep(5)

+ remDr$switchToWindow(w1)

+ }

+

+ if(act == "new\_site"){

+ remDr$findElement(using = "name", value = "create\_site")$clickElement()

+ }

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "industry\_quote")$sendKeysToElement(list(indus\_quote))

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "segment\_quote")$sendKeysToElement(list(seg\_quote))

+ Sys.sleep(2)

+ if(sales\_act == "New/New" || sales\_act == "New from Competitor" || sales\_act == "Change of Owner" || act == "new\_site") remDr$findElement(using = "name", value = "accountType\_quote")$sendKeysToElement(list(actype\_quote))

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "authorizedBy\_quote")$sendKeysToElement(list(tester\_name))

+ if(sales\_act == "New/New" || sales\_act == "New from Competitor" || act == "new\_site" || sales\_act == "Change of Owner") remDr$findElement(using = "name", value = "siteName\_quote")$sendKeysToElement(list(site\_name))

+ if(sales\_act == "New/New" || sales\_act == "New from Competitor" || act == "new\_site"){

+

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_address")$sendKeysToElement(list(addr\_line.1))

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_address\_2")$sendKeysToElement(list(addr\_line.2))

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_city")$sendKeysToElement(list(addr\_city))

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_state\_menu")$sendKeysToElement(list(addr\_state))

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_zip")$sendKeysToElement(list(addr\_zip))

+

+ }

+ if(sales\_act == "New/New" || sales\_act == "New from Competitor" || act == "new\_site" || sales\_act == "Change of Owner"){

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_phone")$sendKeysToElement(list(addr\_phone))

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_first\_name")$sendKeysToElement(list(addr\_contact.name))

+ }

+ remDr$findElement(using = "name", value = "\_siteAddress\_quote\_email")$sendKeysToElement(list(addr\_contact.email))

+ remDr$findElement(using = "name", value = "find\_on\_map")$clickElement()

+ Sys.sleep(3)

+ cr.lat <- remDr$findElement(using = "id", value = "readonly\_1\_\_siteAddress\_quote\_company\_name")$getElementText()[[1]]

+ cr.long <- remDr$findElement(using = "id", value = "readonly\_1\_\_siteAddress\_quote\_company\_name\_2")$getElementText()[[1]]

+ if((cr.lat == "") & (container\_type == "large\_container")) stop("Latitude and Longitude not populated")

+ remDr$findElement(using = "name", value = "next")$clickElement()

+

+

+ if(sales\_act == "New/New" || sales\_act == "New from Competitor" || act == "new\_cont" || act == "new\_site") {

+ if(container\_type == "small & large") remDr$findElement(using = "name", value = "small\_container")$clickElement() else remDr$findElement(using = "name", value = container\_type)$clickElement()

+ Sys.sleep(3)

+ if(container\_type != "large\_container") {

+ remDr$findElement(using = "name", value = "wasteType")$sendKeysToElement(list(s.waste\_type))

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "routeType")$sendKeysToElement(list(s.route\_type))

+ Sys.sleep(3)

+ if(s.cust\_owned == 1) remDr$findElement(using = "id", value = "isCustomerOwned\_true")$clickElement()

+ if(s.compactor == 1) remDr$findElement(using = "id", value = "compactor\_true")$clickElement()

+ remDr$findElement(using = "name", value = "quantity")$clearElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "quantity")$sendKeysToElement(list(s.quantity))

+ Sys.sleep(2)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='containerSize']/option[",

+ which(getDropDownOptions("containerSize")==s.cont\_size),

+ "]"))$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "liftsPerContainer\_s")$sendKeysToElement(list(s.haul\_freq))

+ Sys.sleep(2)

+ if(s.req\_pickdays == 1) {

+ remDr$findElement(using = "id", value = "requestPickupDays\_true")$clickElement()

+ Sys.sleep(5)

+ if(s.pick\_mon == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Mon")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_tue == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Tue")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_wed == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Wed")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_thu == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Thu")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_fri == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Fri")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_sat == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Sat")$clickElement()

+ Sys.sleep(3)

+ if(s.pick\_sun == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Sun")$clickElement()

+ }

+ remDr$findElement(using = "name", value = "lock")$sendKeysToElement(list(s.lock))

+ if(s.enclosure == 1) remDr$findElement(using = "id", value = "isEnclosure\_true")$clickElement()

+ if(s.casters == 1) {

+ remDr$findElement(using = "id", value = "casters\_true")$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using = "name", value = "rolloutFeet")$sendKeysToElement(list(s.rollout))

+ }

+ if(s.scout\_route == 1) remDr$findElement(using = "id", value = "scoutRoute\_true")$clickElement()

+ remDr$findElement(using = "name", value = "onsiteTimeInMins")$sendKeysToElement(list(s.add\_onsite\_time))

+ remDr$findElement(using = "name", value = "update")$clickElement()

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ }

+ Sys.sleep(6)

+ if(container\_type == "small & large") {

+ remDr$findElement(using = "name", value = "select\_additional\_services")$clickElement()

+ Sys.sleep(6)

+ remDr$findElement(using = "name", value = "large\_container")$clickElement()

+ }

+ ###########################################################################################

+ Sys.sleep(6)

+ if(container\_type != "small\_container") {

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='containerType\_l']/option[",

+ which(getDropDownOptions("containerType\_l")==l.container\_kind),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='billingType\_l']/option[",

+ which(getDropDownOptions("billingType\_l")==l.billing\_type),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='rental']/option[",

+ which(getDropDownOptions("rental")==l.rental),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='wasteType']/option[",

+ which(getDropDownOptions("wasteType")==l.waste\_type),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using = "name", value = "quantity")$clearElement()

+ remDr$findElement(using = "name", value = "quantity")$sendKeysToElement(list(l.quantity))

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='equipmentSize\_l']/option[",

+ which(getDropDownOptions("equipmentSize\_l")==l.cont\_size),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ if(l.cust\_owned == 1) remDr$findElement(using = "id", value = "isCustomerOwned\_true")$clickElement()

+ Sys.sleep(3)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='haulsPerPeriod']/option[",

+ which(getDropDownOptions("haulsPerPeriod")==l.haul\_freq),

+ "]"))$clickElement()

+ Sys.sleep(3)

+ if(l.haul\_freq == "On-Call"){

+ #remDr$findElement(using = "name", value = "estHaulsPerMonth\_l")$clearElement()

+ #remDr$findElement(using = "name", value = "estHaulsPerMonth\_l")$sendKeysToElement(list(l.est\_haul\_month))

+ remDr$findElement(using = "name", value = "totalEstimatedHaulsMonth\_l")$clearElement()

+ remDr$findElement(using = "name", value = "totalEstimatedHaulsMonth\_l")$sendKeysToElement(list(l.est\_haul\_month))

+ }

+ Sys.sleep(2)

+ if(l.billing\_type == "Flat Rate + Overage") {

+ remDr$findElement(using = "name", value = "tonsIncludedInHaulRate\_l")$clearElement()

+ remDr$findElement(using = "name", value = "tonsIncludedInHaulRate\_l")$sendKeysToElement(list(l.ton\_in\_haul))

+ }

+ Sys.sleep(2)

+ if(l.billing\_type == "Haul + Minimum Tonnage") {

+ remDr$findElement(using = "name", value = "estTonsHaul\_l")$clearElement()

+ remDr$findElement(using = "name", value = "estTonsHaul\_l")$sendKeysToElement(list(l.est\_tons\_per\_haul))

+ remDr$findElement(using = "name", value = "minimumTonshaul\_l")$clearElement()

+ remDr$findElement(using = "name", value = "minimumTonshaul\_l")$sendKeysToElement(list(l.min\_tons\_per\_haul))

+ }

+ Sys.sleep(2)

+ if(l.billing\_type == "Haul + Disposal") {

+ remDr$findElement(using = "name", value = "estTonsHaul\_l")$clearElement()

+ remDr$findElement(using = "name", value = "estTonsHaul\_l")$sendKeysToElement(list(l.est\_tons\_per\_haul))

+ }

+ Sys.sleep(2)

+ if(l.haul\_freq != "On-Call" & l.req\_pickdays == 1){

+ remDr$findElement(using = "id", value = "requestPickupDays\_true")$clickElement()

+ Sys.sleep(2)

+ if(l.pick\_mon == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Mon")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_tue == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Tue")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_wed == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Wed")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_thu == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Thu")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_fri == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Fri")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_sat == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Sat")$clickElement()

+ Sys.sleep(1)

+ if(l.pick\_sun == 1) remDr$findElement(using = "id", value = "tentativePickupDays\_Sun")$clickElement()

+ }

+ if(l.container\_kind != "Open Top") {

+ if(l.wash\_every\_haul == 1) remDr$findElement(using = "id", value = "washout\_l\_true")$clickElement()

+ if(l.container\_kind == "Stationary Compactor" & l.st\_cust\_owned == 1) remDr$findElement(using = "id", value = "customerOwnedCompactor\_true")$clickElement()

+ Sys.sleep(2)

+ if(l.st\_cust\_owned != 1) {

+ remDr$findElement(using = "name", value = "compactorValue-display")$clearElement()

+ remDr$findElement(using = "name", value = "compactorValue-display")$sendKeysToElement(list(l.comp\_val))

+ }

+ }

+ if(l.add\_paper == 1) remDr$findElement(using = "id", value = "additionalPaperwork\_l")$clickElement()

+ if(l.disp\_tik\_sign == 1) remDr$findElement(using = "id", value = "disposalTicketSignature\_l")$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "update")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ }

+ }

+

+ if(act == "serv\_chg") {

+ remDr$findElement(using = "name", value = "next")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "id", value = "salesActivity\_Service\_level\_change")$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "wasteType\_sc")$sendKeysToElement(list(s.waste\_type))

+ remDr$findElement(using = "name", value = "quantity\_sc")$clearElement()

+ remDr$findElement(using = "name", value = "quantity\_sc")$sendKeysToElement(list(s.quantity))

+ remDr$findElement(using = "name", value = "containerSize\_sc")$sendKeysToElement(list(s.cont\_size))

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='containerCodes\_SC']/option[",

+ which(getDropDownOptions("containerCodes\_SC")==s.cont\_code),

+ "]"))$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "liftsPerContainer\_sc")$sendKeysToElement(list(s.haul\_freq))

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "update")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ }

+

+ if(act == "no\_serv\_chg") {

+ remDr$findElement(using = "name", value = "next")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ }

+

+ if(act == "rate\_adj") {

+ remDr$findElement(using = "name", value = "next")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "id", value = "salesActivity\_Price\_adjustment")$clickElement()

+ Sys.sleep(2)

+ if(act2 == "PI") remDr$findElement(using='xpath',paste0("//\*[@id='priceAdjustmentReason\_Price\_Increase:\_Personally\_Secured']"))$clickElement()

+ if(act2 == "rollback\_PI") remDr$findElement(using='xpath',paste0("//\*[@id='priceAdjustmentReason\_Rollback\_of\_PI']"))$clickElement()

+

+ if(act2 == "rollback\_CB"){

+ remDr$findElement(using='xpath',paste0("//\*[@id='priceAdjustmentReason\_Rollback:\_Competitive\_Bid']"))$clickElement()

+ Sys.sleep(4)

+ remDr$findElement(using = "name", value = "competitiveBidAmount\_sc-display")$clearElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "competitiveBidAmount\_sc-display")$sendKeysToElement(list(s.comp\_bid))

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='competitor']/option[",

+ which(getDropDownOptions("competitor")==competitor),

+ "]"))$clickElement()

+ }

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "update")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ if(act2 == "PI"){

+ remDr$findElement(using = "id", value = "3\_adjustment\_line\_8569480")$clearElement()

+ remDr$findElement(using = "id", value = "3\_adjustment\_line\_8569480")$sendKeysToElement(list("5"))

+ remDr$findElement(using='xpath',paste0("//\*[@id='attr\_wrapper\_3\_priceIncreaseType\_line\_8569481']/div/div/div/select/option[3]"))$clickElement()

+ }

+ }

+

+ if(act == "close\_cont") {

+ remDr$findElement(using = "name", value = "next")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "id", value = "salesActivity\_Close\_container\_group")$clickElement()

+ Sys.sleep(2)

+ if(act2 == "LOC") remDr$findElement(using='xpath',paste0("//\*[@id='closureReason\_02\_-\_Lost\_to\_Competitor']"))$clickElement()

+ if(act2 == "comp\_pricing") remDr$findElement(using='xpath',paste0("//\*[@id='closureReason\_56\_-\_Competitor\_Pricing']"))$clickElement()

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='competitor']/option[",

+ which(getDropDownOptions("competitor")==competitor),

+ "]"))$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = "name", value = "update")$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using = "name", value = "add\_to\_quote")$clickElement()

+ }

+

+ Sys.sleep(5)

+ if(fee.FRF == 1) if(remDr$findElement(using = "id", value = "feesToCharge\_quote0")$getElementAttribute("checked")[[1]] != "true") remDr$findElement(using = "id", value = "feesToCharge\_quote0")$clickElement()

+ if(fee.FRF == 0) if(remDr$findElement(using = "id", value = "feesToCharge\_quote0")$getElementAttribute("checked")[[1]] == "true") remDr$findElement(using = "id", value = "feesToCharge\_quote0")$clickElement()

+ if(fee.FRF == 0) Sys.sleep(5)

+ if(fee.ERF == 1) if(remDr$findElement(using = "id", value = "feesToCharge\_quote1")$getElementAttribute("checked")[[1]] != "true") remDr$findElement(using = "id", value = "feesToCharge\_quote1")$clickElement()

+ if(fee.ERF == 0) if(remDr$findElement(using = "id", value = "feesToCharge\_quote1")$getElementAttribute("checked")[[1]] == "true") remDr$findElement(using = "id", value = "feesToCharge\_quote1")$clickElement()

+ if(fee.ERF == 0) Sys.sleep(5)

+ if(fee.admin == 1) if(remDr$findElement(using = "id", value = "feesToCharge\_quote2")$getElementAttribute("checked")[[1]] != "true") remDr$findElement(using = "id", value = "feesToCharge\_quote2")$clickElement()

+ if(fee.admin == 0) if(remDr$findElement(using = "id", value = "feesToCharge\_quote2")$getElementAttribute("checked")[[1]] == "true") remDr$findElement(using = "id", value = "feesToCharge\_quote2")$clickElement()

+ if(fee.admin == 0) Sys.sleep(5)

+ if(fee.FRF == 0 || fee.ERF == 0 || fee.admin == 0) remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_feeExemptionReasonCode\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("feeExemptionReasonCode\_quote")==fee.waivereason),

+ "]"))$clickElement()

+

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_initialTerm\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("initialTerm\_quote")==init\_term),

+ "]"))$clickElement()

+ Sys.sleep(5)

+ remDr$findElement(using='xpath',

+ paste0("//\*[@id='field\_wrapper\_1\_renewalTerm\_quote']/div[1]/div/select/option[",

+ which(getDropDownOptions("renewalTerm\_quote")==ren\_term),

+ "]"))$clickElement()

+ Sys.sleep(2)

+ remDr$findElement(using = 'name', value = "calculate\_price")$clickElement()

+

+ }

}

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