#\* @get /hello  
function() "Hello world!"

devtools::install()  
  
devtools::load\_all()

#\* @get /ok   
function() "OK"  
  
#\* @get /greetings   
#\* @param name:string User name  
function(name) paste0("Hello ", name, "!")

#\* @get /histogram  
#\* @serializer png  
function() hist(rnorm(1000))  
  
#\* @get /add  
#\* @param x:int number 1  
#\* @param y:int number 2  
#\* @serializer unboxedJSON  
function(x, y) as.numeric(x) + as.numeric(y)  
  
#\* @get /iris  
#\* @serializer tsv  
function() iris

{  
  
 "sex" : "male",  
 "age" : 50,  
 "bmi" : 22,  
 "sbp" : 134,  
 "bp\_med" : 1,  
 "smoker" : 1,  
 "diabetes" : 0  
  
}

Global data  
  
lifespan\_path = system.file("extdata", "lifespan\_data\_UK.tsv", package = "plumber.workshop")  
lifespan = read.table(lifespan\_path, sep="\t", h=T)  
  
#\* @post /average\_lifespan  
#\* @param age:int User age  
#\* @param sex:string User sex  
#\* @serializer unboxedJSON  
function(age, sex){  
 plumber.workshop::average\_lifespan(age, sex, lifespan)  
}

#\* @post /browser  
function(req, res) browser()  
  
curl -X POST "http://localhost:80/browser" -H "Content-Type: application/json" -d "{\“x\": 1, \“y\": 2}"   
  
Once the browser() breakpoint is activated you will be directed to the console:  
  
mode(req)  
names(req)  
as.list(req)  
req$args  
req$postBody  
mode(res)  
names(res)  
res$status

#\* auth  
plumber.workshop::authorizer  
  
Sys.setenv(plumber\_auth\_key="test123")   
  
#\* @preempt auth   
   
  
headers = httr::add\_headers(AUTHORIZATION = "test123")  
  
httr::POST(config=headers)  
  
  
curl -X POST "http://localhost:80/heart\_disease\_risk" -H "Content-Type: application/json” -H “Authorization:test123" -d "{\"sex\": \"male\", \"age\": 50, \"bmi\": 24, \"sbp\": 125, \"bp\_med\": 0, \"smoker\": 0, \"diabetes\": 1}"   
  
  
  
is\_swagger\_request = function(path\_info){  
  
 swagger\_urls = c("/\_\_docs\_\_/", "/\_\_swagger\_\_/", "/openapi.json")  
   
 any(sapply(swagger\_urls, function(x) grepl(x, path\_info)))  
  
}