Communication Contract Ground Rules:

a. Communicate over Discord

b. Respond within 24 hours

c. Backup plan goes into effect for a team member if they are unresponsive for over 72 hours

d. Respect and acknowledge every team member’s opinion/work

e. Be responsible, meet deadlines, and plan group work completion in a timely manner. Don’t put off group work until the last minute as team members will have different availability.

# How to REQUEST data from microservice. Microservice will continuously listen on the port, and when it receives initial request it is currently set to immediately

# check if there is a similar page with that name using wikipedia.suggest. It then expects after sending a "what type?" call to receive either "photo" or "summary", to which it

# will once again respond, this time with text, either the first 10 sentences of summary of page, or the first image's url on the wikipedia page.

# How to Receive Data from program: Microservice will send data through socket after specific input's are received, and data received will always be of text type.

EXAMPLE CALL:

request = "some user input/page fill from buttons" # MAIN PROGRAM TO MICROSERVICE

socket.send\_string(request) # sends initial request for wikipedia search

response = socket.recv\_string() # either receive call to ask for type, or that page not found.

if response == "not found"

display some form of invalid search attempt message # if page not found, display error message and try again

if response == "what type" # if what type asked, send the type request to receive response

socket.send\_string(photo or summary from user input/button selection) # send type to receive response "photo" or "summary"

response = socket.recv\_string() # receive output information

print(response) # print response(do with what you will)

UML SEQUENCE DIAGRAM

