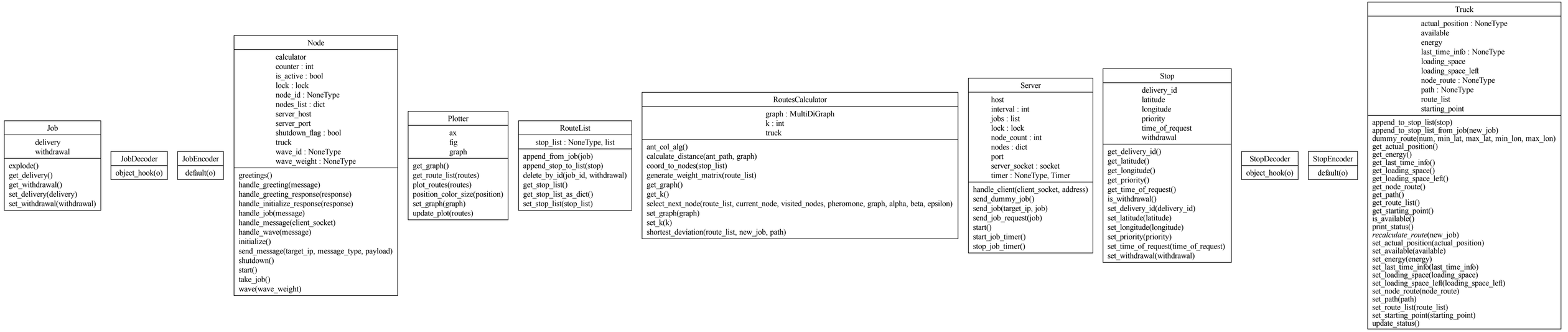
Job
delivery
withdrawal
explode()
get_delivery()
get_withdrawal()
set_delivery(delivery)
set_withdrawal(withdrawal)
JobDecoder
object_hook(o)
JobEncoder
default(o)
Node
calculator
counter : int
is_active : bool
lock : lock
node_id : NoneType
nodes_list : dict
server_host
server_port
shutdown_flag : bool
truck
wave_id : NoneType
wave_weight : NoneType
greetings()
handle_greeting(message)
handle_greeting_response(response)
handle_initialize_response(response)
handle_job(message)
handle_message(client_socket)
handle_wave(message)
initialize()
send_message(target_ip, message_type, payload)
shutdown()
start()
take_job()
wave(wave_weight)
Plotter
ax
fig
graph
get_graph()
get_route_list(routes)
plot_routes(routes)
position_color_size(position)
set_graph(graph)
update_plot(routes)
RouteList
stop_list : NoneType, list
append_from_job(job)
append_stop_to_list(stop)
delete_by_id(job_id, withdrawal)
get_stop_list()
get_stop_list_as_dict()
set_stop_list(stop_list)
RoutesCalculator
graph : MultiDiGraph
k : int
truck
ant_col_alg()
calculate_distance(ant_path, graph)
coord_to_nodes(stop_list)
generate_weight_matrix(route_list)
get_graph()
get_k()
select_next_node(route_list, current_node, visited_nodes, pheromone, graph, alpha, beta, epsilon)
set_graph(graph)
set_k(k)
shortest_deviation(route_list, new_job, path)
Server
host
interval : int
jobs : list
lock : lock
node_count : int
nodes : dict
port
server_socket : socket
timer : NoneType, Timer
handle_client(client_socket, address)
send_dummy_job()
send_job(target_ip, job)
send_job_request(job)
start()
start_job_timer()
stop_job_timer()
Stop
delivery_id
latitude
longitude
priority
time_of_request
withdrawal
get_delivery_id()
get_latitude()
get_longitude()
get_priority()
get_time_of_request()
is_withdrawal()
set_delivery_id(delivery_id)
set_latitude(latitude)
set_longitude(longitude)
set_priority(priority)
set_time_of_request(time_of_request)
set_withdrawal(withdrawal)
StopDecoder
object_hook(o)
StopEncoder
default(o)
Truck
actual_position : NoneType
available
energy
last_time_info : NoneType
loading_space
loading_space_left
node_route : NoneType
path : NoneType
route_list
starting_point
append_to_stop_list(stop)
append_to_stop_list_from_job(new_job)
dummy_route(num, min_lat, max_lat, min_lon, max_lon)
get_actual_position()
get_energy()
get_last_time_info()
get_loading_space()
get_loading_space_left()
get_node_route()
get_path()
get_route_list()
get_starting_point()
is_available()
print_status()
recalculate_route(new_job)
set_actual_position(actual_position)
set_available(available)
set_energy(energy)
set_last_time_info(last_time_info)
set_loading_space(loading_space)
set_loading_space_left(loading_space_left)
set_node_route(node_route)
set_path(path)
set_route_list(route_list)
set_starting_point(starting_point)
update_status()