

| Peer   |
|--|
| name:string<br>port:integer<br>socket:Socket<br>data_storage:DataStorage<br>queuing_module:QueuingModule<br>pool_of_ack:array                |
| send_greetings()<br>send_data()<br>receive_data()<br>send_ack_to_peers()<br>sync_with_peer()<br>get_all_peers()<br>broadcast_data()<br>run() |

| QueuingModule   |
|---|
| queue:array<br>data_storage:DataStorage<br>total_amount:int<br>avail_amount |
| add_data(Data, bool)<br>sync_with_datastorage()<br>get_avail_amount()       |

| Data  |
|---|
| data:json<br>size:float<br>synced:bool<br>synced_with:array |
| json_data()<br>sync_with_peer(peer)<br>check_synced(peers)  |

| DataGenerator                       |
|-------------------------------------|
| socket:Socket<br>port:ing           |
| send_fake_data()<br>get_all_peers() |

| DataStorage                  |
|------------------------------|
| hard_disk_sim:array          |
| save(Data)<br>get_all_data() |