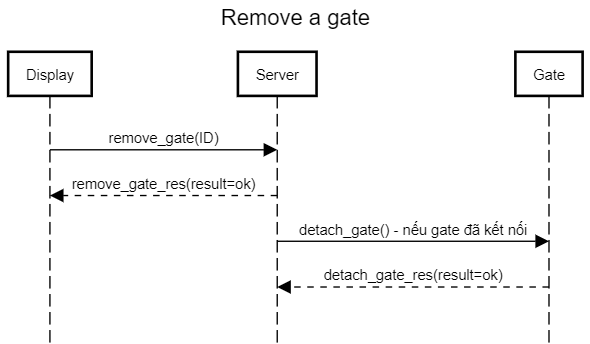
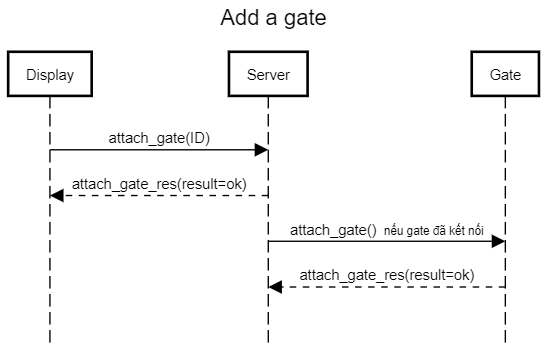


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| **DISPLAY TURN ON** | | |
|  | **Display -> Server** | **Server -> Display** |
| Pub | DISPLAY/REQ/GATE/SENSOR/<DISPLAY\_ID> | SERVER/RES/GATE/SENSOR/<DISPLAY\_ID> |
| Sub | SERVER/RES/GATE/SENSOR/<DISPLAY\_ID> | DISPLAY/REQ/GATE/SENSOR/# |
| JSON | {  “display\_id”:” 4eb2459ae05f004c”  } | {  "gateId": "ELCGW-001-00000000649af264",  "status": "active",  "sensorLst": [  {  "id": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33b",  "gateId": "ELCGW-001-00000000649af264",  "patientId": "b9ae65c0-b730-458b-b4d8-bc797efec58a",  "name": "Sensor 01",  "model": "ASDF",  "sensorType": "BP",  "mac": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33b",  "batteryValue": 90,  "status": 1,  "measureState": 0,  "isDeleted": 0,  "lastUpdatedAt": "2020-11-11 14:36:52"  },…….  ]  } |

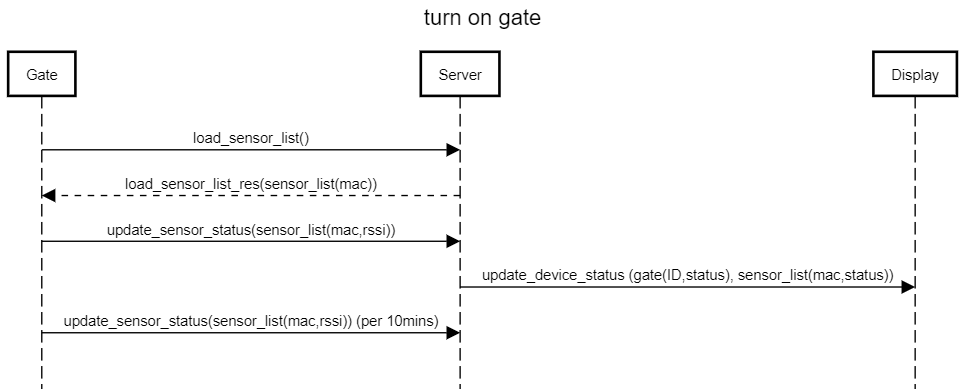
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| --- | --- | --- |
| **DISPLAY GET PATIENTS LIST** | | |
|  | **Display -> Server** | **Server -> Display** |
| Pub | GET/PATIENT/LIST/<display\_id> | RES/PATIENT/LIST/<display\_id> |
| Sub | RES/PATIENT/LIST/<display\_id> | GET/PATIENT/LIST/# |
| JSON | {  “display\_id”:”xxxx”  } | {  "gateId": "ELCGW-001-00000000649af264",  "status": "active",  "sensorLst": [  {  "id": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33b",  "gateId": "ELCGW-001-00000000649af264",  "patientId": "b9ae65c0-b730-458b-b4d8-bc797efec58a",  "name": "Sensor 01",  "model": "ASDF",  "sensorType": "BP",  "mac": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33b",  "batteryValue": 90,  "status": 1,  "measureState": 0,  "isDeleted": 0,  "lastUpdatedAt": "2020-11-11 14:36:52"  },  {  "id": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33c",  "gateId": "ELCGW-001-00000000649af264",  "patientId": "2c150805-9216-4aa0-bf53-3d58ebb67c77",  "name": "Sensor 02",  "model": "ASFA",  "sensorType": "SPO2",  "mac": "bcbf91bd-c648-46fd-8bac-a0ee0b71d33c",  "batteryValue": 80,  "status": 1,  "measureState": 0,  "isDeleted": 0,  "lastUpdatedAt": "2020-11-11 14:36:52"  }  ]  } |



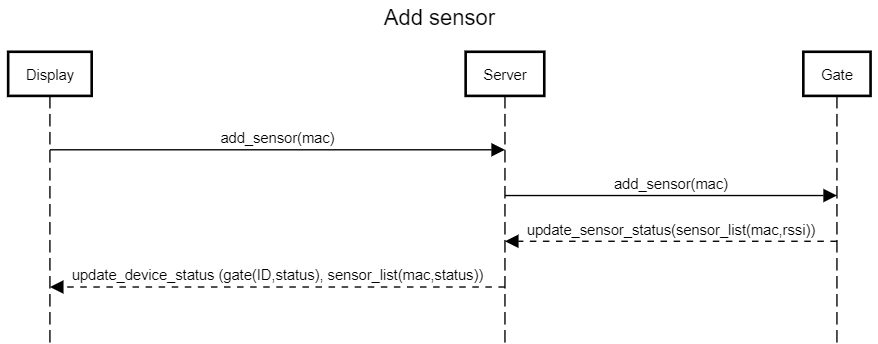
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| --- | --- | --- |
| **REMOVE GATE** | | |
|  | **Display -> Server** | **Server -> Display** |
| Pub | DISPLAY/UNLINK/GATE/REQ/<display\_id> | DISPLAY/UNLINK/GATE/RES/<display\_id> |
| Sub | DISPLAY/UNLINK/GATE/RES/<display\_id> | DISPLAY/UNLINK/GATE/REQ/# |
| JSON | {  "display\_id":"111",  "gate\_id":"123456"  } | Json :  {  "display\_id":"111",  "gate\_id":"123456",  "result":"OK"  } |



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| **ADD GATE** | | |
|  | **Display -> Server** | **Server -> Display** |
| Pub | DISPLAY/LINK/GATE/REQ/<display\_id> | DISPLAY/LINK/GATE/RES/<display\_id> |
| Sub | DISPLAY/LINK/GATE/RES/<display\_id> | DISPLAY/LINK/GATE/REQ/# |
| JSON | {  "display\_id":"111",  "gate\_id":"123456"  } | {  "display\_id":”111”,  “gate\_id”:”123456”,  "result","OK/FAILED/LINKED"} |



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| **TURN ON GATE** | | |
|  | **Gate -> Server** | **Server -> Gate** |
| Pub | GATE/REQ/DISPLAY/SENSOR/<gate\_id> | SERVER/RES/SENSOR/LIST/<gate\_id> |
| Sub | SERVER/RES/SENSOR/LIST/<gate\_id> | GATE/REQ/DISPLAY/SENSOR/# |
| JSON | {  "display\_id":"111",  "gate\_id":"123456"  } | {  "display\_id":”111”,  “gate\_id”:”123456”,  "result","OK/FAILED/LINKED"} |



Mô tả : display send request gate add Sensor -> Gate response to server status -> Server response to Display

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| **ADD SENSOR** | | |
| **DISPLAY -> GATE** | | |
| DisPLay : Pub  Gate : Sub | DISPLAY/GATE/ADD\_SENSOR\_GATE\_REQ/<GATE\_ID> | {  "display\_id" : "12312312",  "gate\_id" : "1231231"  "mac" : "1b:23:12:2d:c3"  "name": "Máy đo huyết ap"  } |
| **GATE -> SERVER** | | |
| Gate : Pub  Server : Sub | GATE/SERVER/ADD\_SENSOR\_REQ/<GATE\_ID> | GATE/SERVER/ADD\_SENSOR\_REQ/<GATE\_ID>  {  "display\_id" : "<DISPLAY\_ID>",  "gate\_id" : "1231231",  "mac" : "1b:23:12:2d:c3",  "name": "Máy đo huyết ap",  "status" : 0,  "message" : "Thêm thành công"  }  - status = 1 thêm thành công  - status != 1 Thêm lỗi |
| **SERVER -> DISPLAY** | | |
| Server : Pub  Display : Sub | SERVER/DISPLAY/ADD\_SENSOR\_GATE\_RES/<DISPLAY\_ID**>** | {  "display\_id" : "<DISPLAY\_ID>",  "gate\_id" : "1231231",  "mac" : "1b:23:12:2d:c3",  "name": "Máy đo huyết ap",  "status" : 0,  "message" : "Thêm thành công"  } |

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| **DISPLAY SCAN GATE BY GATE\_ID** | | |
| **DISPLAY -> GATE** | | |
| DisPLay : Pub  Gate : Sub | DISPLAY/SERVER/ADD\_SENSOR\_GATE\_REQ/<GATE\_ID> | {  "display\_id" : "12312312",  "gate\_id" : "1231231"  "mac" : "1b:23:12:2d:c3"  "name": "Máy đo huyết ap"  } |
| **GATE -> SERVER** | | |
| Gate : Pub  Server : Sub | GATE/SERVER/ADD\_SENSOR\_REQ/<GATE\_ID> | GATE/SERVER/ADD\_SENSOR\_REQ/<GATE\_ID>  {  "display\_id" : "<DISPLAY\_ID>",  "gate\_id" : "1231231",  "mac" : "1b:23:12:2d:c3",  "name": "Máy đo huyết ap",  "status" : 0,  "message" : "Thêm thành công"  }  - status = 1 thêm thành công  - status != 1 Thêm lỗi |
| **SERVER -> DISPLAY** | | |
| Server : Pub  Display : Sub | SERVER/DISPLAY/ADD\_SENSOR\_GATE\_RES/<DISPLAY\_ID**>** | {  "display\_id" : "<DISPLAY\_ID>",  "gate\_id" : "1231231",  "mac" : "1b:23:12:2d:c3",  "name": "Máy đo huyết ap",  "status" : 0,  "message" : "Thêm thành công"  } |

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| --- | --- |
| **SYNC DATA : RES/TRANSMIT/DATA/<sensor\_type>/<display\_id>** | |
| RES/TRANSMIT/DATA/NIBP/<display\_id> | {  "gate\_id": "GW-122mdmas",  "display\_id": "DP123456",  "sensor\_id": "SS123",  "measure\_id": "asacdasdas",  "ts": 12345678992,  "dia": 123,  "sys": 80,  "map": 100,  "pr": 70  } |
| RES/TRANSMIT/DATA/TEMP/<display\_id> | {  "gate\_id": "GW-122mdmas",  "display\_id": "DP123456",  "sensor\_id": "SS123",  "measure\_id": "asacdasdas",  "ts": 12345678992,  "temp": 3645  } |
| RES/TRANSMIT/DATA/SPO2/<display\_id> | {  "gate\_id": "GW-122mdmas",  "display\_id": "DP123456",  "sensor\_id": "SS123",  "measure\_id": "asacdasdas",  "ts": 12345678992,  "spo2": 23,  "pi": 12,  "pr":12,  "step": 1000  } |