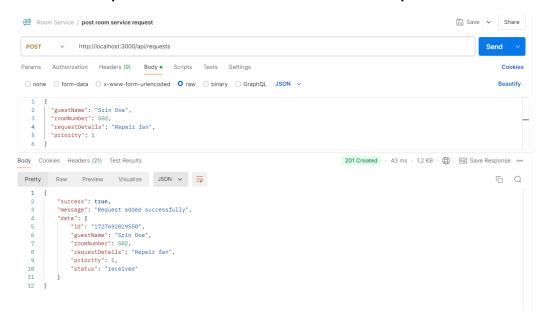
Task 2 - Hotel Room Service Request API

POST /requests to add a new service request



GET /requests to retrieve all requests, showing them sorted by priority.

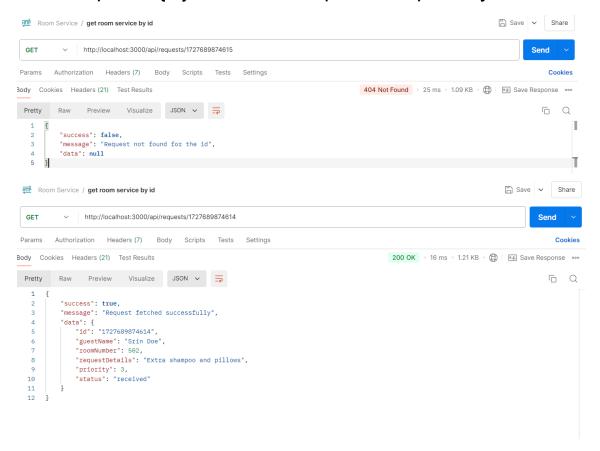
```
□ Save ∨ Share
 Room Service / get room service requests
              http://localhost:3000/api/requests
                                                                                                                                                                      Send ~
 Params Authorization Headers (7) Body Scripts Tests Settings
Body Cookies Headers (21) Test Results
                                                                                                                      Pretty Raw Preview Visualize JSON ✓ 🚃
              "success": true,
"message": "Requests retrieved successfully",
              "data": [
                      "id": "1727686524685",

"guestName": "John Doe",

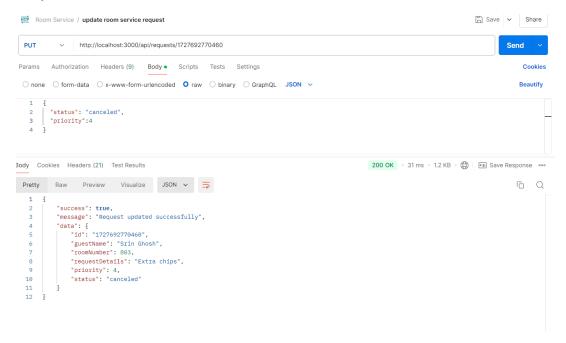
"roomNumber": 101,

"requestDetails": "Extra towels",
   10
11
12
13
14
15
                       "priority": 1,
"status": "completed"
                       "1d" · "1727691123635"
                       "guestName": "Srin Doe",
"roomNumber": 502,
                       "requestDetails": "Extra bed",
                       "priority": 1,
"status": "received"
                       "id": "1727692548611".
                       "guestName": "Srin Joy",
"roomNumber": 603,
"requestDetails": "Repair shower",
                       "priority": 2,
"status": "received"
```

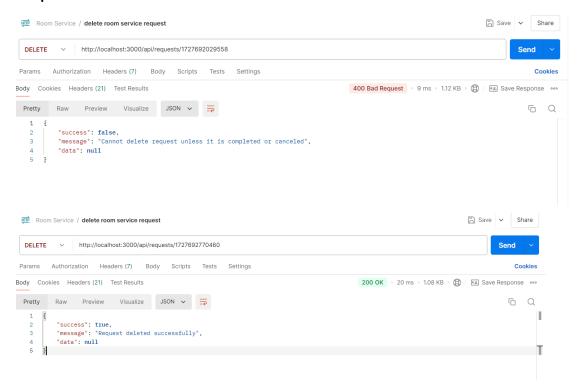
GET /requests/{id} to retrieve a specific request by its ID.



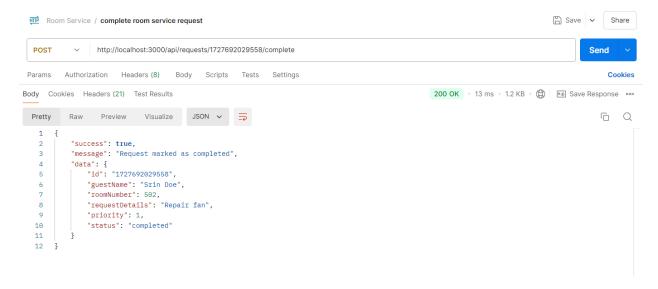
PUT /requests/{id} to update details or the priority of an existing request.



DELETE /requests/{id} to remove a completed or canceled request.



POST /requests/{id}/complete to mark a request as completed.



Task 1 - Meeting Scheduler

Input 1

[[9, 12], [11, 13], [14, 17], [16, 18]]

Output 1

[[9, 13], [14, 18]]

Input 2

Output 2

Input 3

[

```
[1, 4], [5, 6], [7, 8], [9, 11], [10, 13],

[14, 16], [15, 18], [17, 19], [20, 22], [21, 25],

[24, 26], [27, 30], [29, 31], [32, 34], [33, 35],

[36, 39], [38, 40], [41, 43], [42, 44], [45, 47],

[46, 48], [49, 50], [51, 53], [52, 54], [55, 57],

[56, 58], [59, 61], [60, 62], [63, 65], [64, 66]
```

Output 3

```
[ 1, 4], [5, 6], [7, 8], [9, 13], [14, 19], [20, 26], [27, 31], [32, 35], [36, 40], [41, 44], [45, 48], [49, 50], [51, 54], [55, 58], [59, 62], [63, 66]]
```

Input 4

```
[0,3], [2,5], [4,7], [6,9], [8,11],
[10, 13], [12, 15], [14, 17], [16, 19], [18, 21],
[20, 23], [22, 25], [24, 27], [26, 29], [28, 31],
[30, 33], [32, 35], [34, 37], [36, 39], [38, 41],
[40, 43], [42, 45], [44, 47], [46, 49], [48, 51],
[50, 53], [52, 55], [54, 57], [56, 59], [58, 61],
[60, 63], [62, 65], [64, 67], [66, 69], [68, 71],
[70, 73], [72, 75], [74, 77], [76, 79], [78, 81],
[80, 83], [82, 85], [84, 87], [86, 89], [88, 91],
[90, 93], [92, 95], [94, 97], [96, 99], [98, 101],
[ 100, 103 ], [ 102, 105 ], [ 104, 107 ], [ 106, 109 ], [ 108, 111 ],
[ 110, 113 ], [ 112, 115 ], [ 114, 117 ], [ 116, 119 ], [ 118, 121 ],
[ 120, 123 ], [ 122, 125 ], [ 124, 127 ], [ 126, 129 ], [ 128, 131 ],
[ 130, 133 ], [ 132, 135 ], [ 134, 137 ], [ 136, 139 ], [ 138, 141 ],
[ 140, 143 ], [ 142, 145 ], [ 144, 147 ], [ 146, 149 ], [ 148, 151 ],
[ 150, 153 ], [ 152, 155 ], [ 154, 157 ], [ 156, 159 ], [ 158, 161 ],
[ 160, 163 ], [ 162, 165 ], [ 164, 167 ], [ 166, 169 ], [ 168, 171 ],
[ 170, 173 ], [ 172, 175 ], [ 174, 177 ], [ 176, 179 ], [ 178, 181 ],
[ 180, 183 ], [ 182, 185 ], [ 184, 187 ], [ 186, 189 ], [ 188, 191 ],
[ 190, 193 ], [ 192, 195 ], [ 194, 197 ], [ 196, 199 ], [ 198, 201 ],
```

```
... 200 more items
```

Output 4

[[0,601]]