

| | | Request | | | |
|---------------|----------------|-----------|--------------------------------|-----------------------------|--|
| Microservices | | HTTP Call | URL | Request Object | Response Object |
| Back-End | Buildings | GET | /buildings | Empty | JSON: Buildings object |
| | | POST | /buildings | JSON: Building object | Empty |
| | | GET | /buildings/{buildingID} | Empty | JSON: Building object |
| | | PUT | /buildings/{buildingID} | JSON: Building object | Empty |
| | | DELETE | /buildings/{buildingID} | Empty | Empty |
| | Jobs | GET | /jobs | Empty | JSON: Jobs object |
| | | GET | /jobs/{buildingID} | Empty | JSON: Jobs object |
| | | GET | /jobs/{buildingID}/{jobID} | Empty | JSON: Job object |
| | | POST | /jobs/{buildingID}/{jobID} | JSON: Job object | Empty |
| | | PUT | /jobs/{buildingID}/{jobID} | JSON: Job object | Empty |
| | | DELETE | /jobs/{buildingID}/{jobID} | Empty | Empty |
| | Materials | GET | /materials | Empty | JSON: Materials object |
| | | GET | /materials/{materialClass} | Empty | JSON: Materials object |
| | | GET | /materials/{materialID} | Empty | JSON: Material object |
| | | POST | /materials/{materialID} | JSON: Material object | Empty |
| | | PUT | /materials/{materialID} | JSON: Material object | Empty |
| | | DELETE | /materials/{materialID} | Empty | Empty |
| | Users | GET | /users | Empty | JSON: Users object |
| | | GET | /users/{userID} | Empty | JSON: User object |
| | | POST | /users/{userID} | JSON: User object | Empty |
| | | PUT | /users/{userID} | JSON: User object | Empty |
| | | DELETE | /users/{userID} | Empty | Empty |
| | Authentication | POST | /authentication | JSON: Authentication object | Empty |
| | | GET | /authentication/{userID} | Empty | JSON: Authentication object |
| | | PUT | /authentication/{userID} | JSON: Authentication object | Empty |
| | | DELETE | /authentication/{userID} | Empty | Empty |
| | Reports | GET | /reports | Empty | JSON: Reports object |
| | | GET | /reports/{jobID} | Empty | JSON: Reports object |
| | | GET | /reports/{jobID}/{reportID} | Empty | JSON: Report object |
| | | POST | /reports/{jobID}/{reportID} | JSON: Report object | Empty |
| | | PUT | /reports/{jobID}/{reportID} | JSON: Report object | Empty |
| | | DELETE | /reports/{jobID}/{reportID} | Empty | Empty |
| | Chat | GET | /conversation/{jobID} | Empty | JSON: Chat object |
| | | POST | /conversation/{jobID} | JSON: Chat object | Empty |
| | | DELETE | /conversation/{jobID} | Empty | Empty |
| | | PUT | /conversation/{jobID}/{userID} | JSON: Chat object | Empty |
| Front-End | Buildings | GET | /buildings | Empty | JSON: Buildings object |
| | | POST | /buildings | JSON: Building object | Empty |
| | | GET | /buildings/{buildingID} | Empty | JSON: Building object |
| | | PUT | /buildings/{buildingID} | JSON: Building object | Empty |
| | | DELETE | /buildings/{buildingID} | Empty | Empty |
| | Jobs | GET | /jobs | Empty | JSON: Jobs object |
| | | GET | /jobs/job?status=openJobs | Empty | JSON: Jobs object WHERE Status="openJobs" |
| | | GET | /jobs/job?status=scheduledJobs | Empty | JSON: Jobs object WHERE Status="scheduledJobs" |
| | | GET | /jobs/job?status=ongoingJobs | Empty | JSON: Jobs object WHERE Status="ongoingJobs" |
| | | GET | /jobs/job?status=doneJobs | Empty | JSON: Jobs object WHERE Status="doneJobs" |
| | | GET | /jobs/job?status=closedJobs | Empty | JSON: Jobs object WHERE Status="closedJobs" |
| | | GET | /jobs/{buildingID} | Empty | JSON: Jobs object |
| | | GET | /jobs/{buildingID}/{jobID} | Empty | JSON: Job object |
| | | POST | /jobs/{buildingID}/{jobID} | JSON: Job object | Empty |
| | | PUT | /jobs/{buildingID}/{jobID} | JSON: Job object | Empty |
| | | DELETE | /jobs/{buildingID}/{jobID} | Empty | Empty |
| | Materials | GET | /materials | Empty | JSON: Materials object |
| | | GET | /materials/{materialClass} | Empty | JSON: Materials object |
| | | GET | /materials/{materialID} | Empty | JSON: Material object |
| | | POST | /materials/{materialID} | JSON: Material object | Empty |
| | | PUT | /materials/{materialID} | JSON: Material object | Empty |
| | | DELETE | /materials/{materialID} | Empty | Empty |
| | Users | GET | /users | Empty | JSON: Users object |
| | | GET | /users/user?role=Supervisor | Empty | JSON: Users object WHERE role="Supervisor" |
| | | GET | /users/user?role=Contractor | Empty | JSON: Users object WHERE role="Contractor " |
| | | GET | /users/user?role=Subcontractor | Empty | JSON: Users object WHERE role="Subcontractor" |
| | | GET | /users/user?role=Manager | Empty | JSON: Users object WHERE role="Manager" |
| | | GET | /users/user?role=Worker | Empty | JSON: Users object WHERE role="Worker" |
| | | GET | /users/{userID} | Empty | JSON: User object |
| | | POST | /users/{userID} | JSON: User object | Empty |
| | | PUT | /users/{userID} | JSON: User object | Empty |
| | | DELETE | /users/{userID} | Empty | Empty |
| | Authentication | POST | /authentication | JSON: Authentication object | Empty |
| | | GET | /authentication/{userID} | Empty | JSON: Authentication object |
| | | PUT | /authentication/{userID} | JSON: Authentication object | Empty |
| | | DELETE | /authentication/{userID} | Empty | Empty |
| | Reports | GET | /reports | Empty | JSON: Reports object |
| | | GET | /reports/{jobID} | Empty | JSON: Reports object |
| | | GET | /reports/{jobID}/{reportID} | Empty | JSON: Report object |
| | | POST | /reports/{jobID}/{reportID} | JSON: Report object | Empty |
| | | PUT | /reports/{jobID}/{reportID} | JSON: Report object | Empty |
| | | DELETE | /reports/{jobID}/{reportID} | Empty | Empty |
| | Chat | GET | /conversation/{jobID} | Empty | JSON: Chat object |
| | | POST | /conversation/{jobID} | JSON: Chat object | Empty |
| | | DELETE | /conversation/{jobID} | Empty | Empty |
| | | PUT | /conversation/{jobID}/{userID} | JSON: Chat object | Empty |