

Method	Path	Description	Input Parameters	Response
POST	/register	Register a new user	Body (JSON): { "username": "string", "password": "string", "role": "CLIENT" or "ADMIN" } 	200 OK { "id": "uuid", "username": "string" }
POST	/login	Authenticate and get Token	Body (JSON): { "username": "string", "password": "string" } 	200 OK { "token": "jwt_string", "role": "string", "id": "uuid" }
GET	/validate	Validate a JWT Token	Header: Authorization: Bearer <token> 	200 OK (Boolean/String) 401 Unauthorized

Method	Path	Description	Input Parameters	Response
GET	/	Get list of all users	Header: Authorization: Bearer <token>	200 OK <pre>[{ "id": "uuid", "username": "string", "role": "string" }, ...]</pre>
PUT	/ {id}	Update a user	Path: id (UUID) Body (JSON): <pre>{ "username": "string", "role": "string" }</pre>	200 OK Updated User Object
DELETE	/ {id}	Delete a user	Path: id (UUID)	204 No Content

Method	Path	Description	Input Parameters	Response
GET	/devices	Get all devices (Admin)	Header: Authorization: Bearer <token>	200 OK [{ "id": "uuid", "name": "string", "maxConsumption": 10.0, "ownerUsername": "string" }, ...]
GET	/devices/{id}	Get specific device details	Path: id (UUID)	200 OK Device Object
POST	/devices	Create a new device	Body (JSON): { "name": "string", "maxConsumption": 12.5, "ownerUsername": "optional_string" }	201 Created Created Device Object
PUT	/devices/{id}	Update device	Path: id (UUID) Body (JSON): { "name": "string", "maxConsumption": 15.0, "ownerUsername": "string" }	200 OK Updated Device Object

Method	Path	Description	Input Parameters	Response
DELETE	/devices/{id}	Delete a device	Path: id (UUID)	204 No Content
GET	/my/devices	Get devices for logged-in user	Header: Authorization: Bearer <token> <i>(Backend extracts user from Token/Header)</i>	200 OK <pre>[{ "id": "uuid", "name": "string", ... }, ...]</pre>