Gilhari RESTful JSON Persistence Service APIs

API Route Path Prefix

http://<host>:<port>/gilhari

API	Main URI	Query Parameters (req.query params)	Body Parameters (req.body params)	Comments with example URIs (in bold)
GET	/:version/:class			Query all objects of a particular type (class) **http://localhost:80/gilhari/v1/Employee**
		filter		Query all qualifying objects of a particular type (class) based on the filter condition **http://localhost:80/gilhari/v1/Employee?filter=exempt=true**
		deep		Retreive only the top level objects if deep=false otherwise retreive related (linked) objects also (default value for 'deep' is true) **http://localhost:80/gilhari/v1/Employee?deep=false**
		maxObjects		Limit on the number of top-level objects **http://localhost:80/gilhari/v1/Employee?maxObjects=10**
	/:version/:class/getObjectById	filter		Query an object by its primary key (id); filter identifies the primary key **http://localhost:80/gilhari/v1/Employee/getObjectById?filter=id=40**

		deep		Retreive only the top level object if deep=false otherwise retreive related (linked) objects also (default value for 'deep' is true) **http://localhost:80/gilhari/v1/Employee/getObjectById?filter=id=40&deep=false**
	/:version/:class/getAggregate	attribute		Query an aggregate value (COUNT, SUM, AVG, MIN, MAX) for an attribute **http://localhost:80/gilhari/v1/Employee/getAggregate?attribute=id&aggregateType=COUNT**
		aggregateType		COUNT, SUM, AVG, MIN, MAX
		filter		Query the aggregate value over only the qualifying objects based on the filter condition **http://localhost:80/gilhari/v1/Employee/getAggregate?attribute=compensation&aggregateType=MAX&filter=exempt=false**
	/:version/:class/access	attribute	entity	Query (lazy) for a contained (referenced) object indicated by the given 'attribute' name of an entity; The "entity" in the body needs to have only the connecting key value **http://localhost:80/gilhari/v1/A/access?attribute=aB**
		deep		Retreive only the top level referenced objects if deep=false otherwise retreive their related (linked) objects also (default value for 'deep' is true)

	/:version/quit/now			Shuts down the Gilhari microservice; Cleans up database connections and other internal data structures. **http://localhost:80/gilhari/v1/quit/now**
POST	/:version/:class		entity	Save (Insert) one or more JSON objects; One or more JSON objects that need to be saved are specified using the "entity" tag in the Body of the request. Only the mapped attributes specified for the class in the ORM specification are saved in the database. So, if an original JSON object in the body has more attributes, they will be ignored - the object will essentially be trimmed when saved. **http://localhost:80/gilhari/v1/Employee/**
			deep	Save only the top level objects if deep=false otherwise save related (linked) objects also (default value for 'deep' is true)
PUT	/:version/:class/updateEntity		entity	Update one or more JSON objects; One or more JSON objects that need to be updated are specified using the "entity" tag in the Body of the request. **http://localhost:80/gilhari/v1/Employee/updateEntity**
			deep	Update only the top level objects if deep=false otherwise update related (linked) objects also (default value for 'deep' is true)

PATCH	/:version/:class		newValues	Bulk-update all objects of a particular type (class); The new values of the attributes for the JSON objects to be updated must be specified using the "newValue" tag in the Body of the request. The new values are specified in a comma separated name value pair. **http://localhost:80/gilhari/v1/Employee**
		filter		Bulk-update only the qualifying objects of a particular type (class) based on the filter condition **http://localhost:80/gilhari/v1/Employee?filter=id=39**
		deep		Bulk-update only the top level objects if deep=false otherwise update related (linked) objects also (default value for 'deep' is true)
DELETE	/:version/:class/deleteEntity		entity	Delete one or more objects; One or more JSON objects that need to be deleted are specified using the "entity" tag in the Body of the request. **http://localhost:80/gilhari/v1/Employee/deleteEntity**
			deep	Delete only the top level objects if deep=false otherwise delete related (linked) objects also (default value for 'deep' is true)
	/:version/:class			Bulk-delete all objects of a particular type (class) **http://localhost:80/gilhari/v1/Employee**

		filter		Bulk-delete only the qualifying objects of a particular type (class) based on the filter condition **http://localhost:80/gilhari/v1/Employee?filter=exempt=true**
		deep		Delete only the top level objects if deep=false otherwise delete related (linked) objects also (default value for 'deep' is true)