SIMPLE GET & POST API CREATION

To create API endpoints, for performing GET and POST operations.
Requires Postgres DB to store/fetch data (in this case city's temperature details) for the API.

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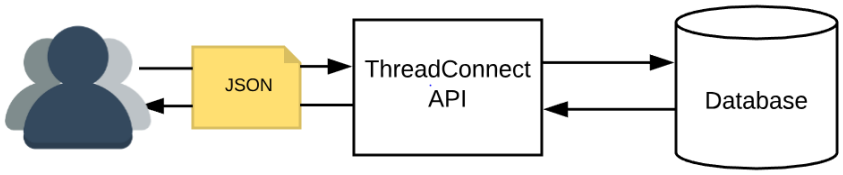

KEY ATTRIBUTES

- `HandleHttpRequest`: creates API endpoint by specifying the port and path to be listening to. Behaves as GET or POST based on the value set.
- `HandleHttpResponse`: sends API response along with the specified status code
- `PutSQL/ExecuteSQL`: executes the SQL command on the specified (postgres) database. PutSQL inputs the record passed as data for the POST call into "data" table. ExecuteSQL runs the select query for the GET call to fetch the details from "data" table.
- `ConvertJSONToSQL`: converts flat JSON into corresponding SQL statement using the details of "data" table.

CONTROLLER SERVICES USED

- `StandardHttpContextMap`: allows to store & retrieve HTTP requests & responses
- `DBCPConnectionPool`: connects to the specified postgres database

NOTES

- The template requires Postgres DB with following requirements:
  DB Name: postgres
  User: postgres
  Password: postgres
  Table Name: data
  Schema:
  {
  "column name" : "type"
  id : character varying,
  city : character varying,
  maxtemp : integer,

mintemp : integer,
degree : character varying,
}
Database Driver Location : Postgressql JDBC Driver jar location (download from https://jdbc.postgresql.org/download.html)

- Carefully check that database configuration details are updated across the **entire** flow when configuring a new database connection.
- The Post API requires JSON data in the format
  Example:

```
{
   "id": "222",
   "city": "Pune",
   "maxtemp": 34,
   "mintemp": 28,
   "degree": "C"
}
```