

## Other Useful Modules

The following modules must be installed for each new project using `npm install <module-name>`.

Module	Description
<b>express</b>	A module for simplifying the http-server core module in Node to implement APIs.
<b>glob</b>	Allows for quick traversal and filtering of files in a complex directory.
<b>multer</b>	Used to support FormData POST requests on the server-side so we can access the req.body parameters.
<b>mysql</b>	Provides functionality for interacting with a database and tables.
<b>promise-mysql</b>	Promisified wrapper over mysql module - each function in the mysql module returns a promise instead of taking a callback as the last argument (recommended).
<b>cookie-parser</b>	A module to access cookies with req/res objects in Express.

## Express Route Functions

Function	Description
<pre>app.get("path", middlewareFn(s));  app.get("/", (req, res) =&gt; {   ... });  app.get("/:city", (req, res) =&gt; {   let city = req.params.city;   ... });  app.get("/cityData", (req, res) =&gt; {   let city = req.query.city;   ... });  // Example with multiple middleware functions app.get("/", validateInput, (req, res) =&gt; {   ... }, handleErr);</pre>	Defines a server endpoint which accepts a valid <b>GET</b> request. Request and response objects are passed as <b>req</b> and <b>res</b> respectively. Path parameters can be specified in <b>path</b> with "varname" and accessed via <b>req.params</b> . Query parameters can be accessed via <b>req.query</b> .
<pre>app.post("path", middlewareFn(s));  app.post("/addItem", (req, res) =&gt; {   let itemName = req.body.name;   ... }</pre>	Defines a server endpoint which accepts a valid <b>POST</b> request. Request and response objects are passed as <b>req</b> and <b>res</b> respectively. POST body is accessible via <b>req.body</b> . Requires POST middleware and multer module for FormData POST requests.