Developing Back-End Apps with Node.js and Express

Module 1 Cheat Sheet: Introduction to Server-Side JavaScript

Package/Method	Description	Code Example

http/createServer	http package is used for establishing remote connections to a server or to create a server which listens to client.
	
	createServer - Takes a requestListener, a function which takes request and response parameters, where request is the handle to the request from the client and response is the handle to be sent to the client.
		`const http = require('http');`
		`const requestListener = function(req, res) {`
		`  res.writeHead(200);`
		`  res.end('Hello, World!');`
		`}`
		`const port = 8080;`
		`const server = http.createServer(requestListener);`
		`console.log('server listening on port: '+ port);`
		`server.listen(port);`

new Date()	new Date() method returns the current date as an object. You can invoke methods on the date object to format it or change the timezone.	`module.exports.getDate = function getDate() {`
		`  let aestTime = new Date().toLocaleString("en-US", {timeZone: "Australia/Brisbane"});`
		`  return aestTime;`
		`}`

import()	The import statement is used to import modules that some other module has exported. A file that includes reusable code is known as a module.	`// addTwoNos.mjs`
		`function addTwo(num) {`
		`  return num + 4;`
		`}`
		`export { addTwo };`
		`// app.js`
		`import { addTwo } from './addTwoNos.mjs';`
		`// Prints: 8`
		`console.log(addTwo(4));`

require()	The built-in NodeJS method require() is used to incorporate external modules that are included in different files. The require() statement essentially reads and executes a JavaScript file before returning the export object.	`module.exports = 'Hello Programmers';`
		`let msg = require('./messages.js');`
		`console.log(msg);`

Skills Network