



# Developing Back-End Apps with Node.js and Express

## Module 2 Glossary: Asynchronous I/O with Callback Programming

| Term                 | Definition   |
|----------------------|--|
| Async                | Short for “asynchronous”.  |
| Axios Package        | The axios package wraps promises around HTTP requests. It returns a promise object.  |
| Callback Hell        | Many nested callback functions.  |
| Inversion of Control | When the flow of control, such as the execution of instructions, is controlled by a third party.   |
| Promise              | An object in JavaScript that acts as a placeholder for an asynchronous task that is yet to be completed. It is the object that is returned from an asynchronous method. When you define a promise object in your script, instead of returning a value immediately, it returns a promise. The promise has three states, which are pending, fulfilled, and rejected. |
| Pyramid of Doom      | Another term for “callback hell”.  |

## Changelog

| Date       | Version | Changed by      | Change Description                             |
|------------|---------|-----------------|--|
| 28-10-2022 | 1.0     | Sapthashree K S | Initial version created                        |
| 25-11-2022 | 1.1     | K Sundararajan  | IDSN logo added based on Beta testing feedback |
| 29-11-2022 | 1.2     | K Sundararajan  | Title updated based on Beta testing feedback   |