Module vs Packages

Module

- A module is a single JavaScript file that has some useful functionality.
- Modules are libraries for Node.js.
- Node.js has a simple module loading system. In Node.js, files and modules are in one-to-one correspondence.

Examples of modules:

- Circle.js
- Rectanggle.js
- Square.js

Package

- A package is a directory with one or more modules (libraries) grouped together.
- Node.js uses a package manager, where you can find and install thousands of packages.
- package.json is a file that has metadata about the package.

Examples of packages:

```
Shapes              <- Package name
  - Circle.js       <-
  - Rectangle.js    <- Modules that belong to the Shapes package
  - Square.js       <-
```

Essentially, you could install the Shapes package and access the Circle, Rectangle and Square modules.