

Notes - 4/27

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Friday, April 27, 2012 10:22 AM

[In 41/4725 at 10:15 today.]

Agenda:

- Modules demo!
- Confirm modules decisions for next wave of implementation:
 - Import syntax

```
// Winner!
import a = module("./a");
import b = X.Y.Z
import c = module('vs/ide/code').X.Y
import X.Y.Z
import module("./a");
```

- Modules as types
 - Is back!
- Web codegen
- Suppress dependencies
- Modules extensions for separate compilation, ease of authoring (attached notes)
 - Separate compilation: thread the module object through multiple closures
 - Yes.
 - Web loading for including same codebase in both web and amd loading environments
 - Hierarchical names?

```
vs/
ide/
utils/
  foo.str
io/
```

```
Stuff.str:
module "foo/bar" {
  //a
```

```
}
```

Foo/bar.str:

```
import x = ...;
//b
```

Generates:

```
foo/bar.js:
define([...], function(...) {
  (function() {
    //a
  })();
  (function() {
    //b
  })();
})
```

Shelved items:

- Algorithm for determining default root
- App building feedback from Murat and Ryan (attached)
- Class expressions / nested classes (attached)
- Continue review of [design items spreadsheet](#)
- Others?

Issues:

- Scope and typing of 'require' and 'exports'
- Establishing what the root folder is
- Establishing that something is a module
 - Proposal: Any imports/exports or a `///<module>`
- Web compilation model:
 - Default: just get the string name

```
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import c = module('vs/ide/code').X.Y
import X.Y.Z
import module("./a");
```