

Notes - 12/6

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Tuesday, December 06, 2011 10:13 AM

*[In 40/4231 today at 10am today]***Agenda:**

- Update on engineering
 - ES5 typing
 - Tutorial, samples, and 12/16 drop plans
- Make calls on current spec/implementation divergences:
 - Private
 - Lambda expressions
 - Are going to do it, requires 2 day work item
 - Optional parameters
 - Not in the spec, likely useful but not near term
 - Others?
- Question: Support for accessor properties in ES5-mode?
 - Pass them through for object literals - min bar
 - Also need to consider support in classes -
 - Just syntax?
 - Question: do they live on instance or prototype?
- Question: Should we consider including some targeted ES6 features? (destructuring perhaps?)
- Design work:
 - 'import'
 - Module 'code-loading'
 - Generics
 - Mixins
 - Inference for lambdas
 - Abstract classes
- Anything else?

TODO: with statement

- Generics
 - What is a generic method?
- Mixins
 - Kind of multiple inheritance

x with Mixin(7) // Mixin has requires which x must satisfy
 // Has the type of the combination
 // x must resolve to something which satisfies the

```
Class Foo() extends Mixin(7) {
}
```

- Class body can use the base class
- Mixins can use the class body

```
mixin Listable extends C, I, M { // bases must all be disjoint
}
```

```
class Foo extends Base with Mixin(7) { //
  function foo() {... }
}
```

Should you be able to extend a mixin - does it mean requirement or does it mean reuse:

- There is no mixin hierarchy

```
Function foo(): X with Mixin {
  Return x with Mixin(7);
}
```