Notes - 1/26

Saturday, March 12, 2011   5:42 PM

Implementation:
1. Front end prototype on hold this week
   a. Next week would like to have someone making progress on this.
2. Perf box: A few iterations finding places where JS lets users get past the perf box, believe these are found now. Examples available to look at. Starting work on implementation now.
3. Documentation:
   a. Language overview doc:
      i. Steve: Overview and class/interfaces/namespaces
      ii. Luke: Expressions
4. Reference implementation in JavaScript:
   a. Scanner already implemented for colorization
   b. Parallel with the implementation in chackra
   c. Chuck: Mail out the list of tokens preceding /=
   d. Mark: Mail the C# implementation of JS lexer/parser

Classes topics:
- Generally same as C# - by design
  - Value prop: programmers can bring this model forward from C++/Java/C#
  - Confident that this OO model scales well
- Big differences:
  - Optional to state interfaces at class declaration
- Smaller differences:
  - Explicit interface implementation
  - Do we need 'new' for name hiding?

Documentation
- Object model:
  - Classes
  - Inerfaces
  - Namespace
  - Function types
    - We believe we have to have them
    - Callbacks galore in JS
    - At runtime behave like interface members

      function T Foo([U this,] (V1 arg1)*)
      T and U default to var
- Overloading
- Conversions
- Expression typing rules
  - Cast
  - As
  - Is
  - ? Typed object literals
- Standard library typing
- Generics
  - Later, maybe
- LINQ
  - Later, maybe

From: Luke Hoban
Sent: Wednesday, January 26, 2011 10:52 AM
To: Strada Design Team
Cc: Strada Team
Subject: Agenda for Strada Design Meeting - 1/26

Some topics for the agenda today
  - Sync on documentation and prototype progress and plans
  - Discuss any class/interface/namespace open issues?
  - Review ES5 core library typing that Chuck sent last year (attached)
    - Ensure current Strada feature set enables authoring this
  - Type name resolution at global scope
  - Function coercion rules
  - Varargs
  - Others? Topics from Mark's doc on perf box?

Luke