

Suggested changes to PackageInfo-Exporters

1. Need to include the Seaside namespace when naming classes

1.1. A typical example is the export of a class that inherits from WAComponent. The superclass name that is supplied for the class definition has to be Seaside.WAComponent.

Object class

```
visualworksName
  (self name copyFrom: 1 to: 2) = 'WA' ifTrue: ['^Seaside.', self name].
  ^ self == Object ifTrue: ['Core.Object'] ifFalse: [self name]
```

1.2. Another situation occurs when exporting a package that is adding method(s) to some Seaside classe(s). The class name for those added methods must be prefixed with the Seaside namespace.

Behavior

```
visualworksName
  ^ (self name copyFrom: 1 to: 2) = 'WA'
    ifTrue: ['Seaside.', self name]
    ifFalse: [self name]
```

2. Need to export class comments

When class comments are available in Squeak, they should be exported.

VW5PackageExporter

fileOutClassCommentForClass: aClass

```
aClass hasComment ifFalse: [^self].
stream cr.
self tag: 'comment' do: [
    self tag: 'class-id' with: (self fullyQualifiedClassNameFor: aClass).
    self tag: 'body' with: aClass comment asString.
]
```

fileOutClassDefinition: aClass

```
stream cr.

self tag: 'class' do: [
    self tag: 'name' with: aClass name.
    self tag: 'environment' with: self environment.
    self tag: 'super' with: (self fullyQualifiedClassNameFor: aClass superclass).
    self tag: 'private' with: 'false'.
    self tag: 'indexed-type' with: (self mapType: aClass typeOfClass).
    self tag: 'inst-vars' with: aClass instanceVariablesString.
    self tag: 'class-inst-vars' with: aClass class instanceVariablesString.
    self tag: 'imports' with: ".
    self tag: 'category' with: aClass category.
    self tag: 'attributes' do: [
        self tag: 'package' with: (self packageNameForClass: aClass).
    ]
].
```

```
aClass classPool keys do: [:ea | self fileOutClassVariable: ea class: aClass].
```

```
self fileOutClassCommentForClass: aClass
```

3. Need to import the Seaside namespace

When an exported package subclasses some Seaside classes, the Seaside namespace should be imported by the exported package namespace.

VW5PackageExporter

fileOutNameSpace

```
self tag: 'name-space' do: [
    self tag: 'name' with: self environment.
    self tag: 'environment' with: 'Smalltalk'.
    self tag: 'private' with: 'false'.
    self tag: 'imports' do: [
        stream nextPutAll: self nameSpaceImports; cr.
    ].
    self tag: 'category' with: self environment.
    self tag: 'attributes' do: [
        self tag: 'package' with: self environment.
    ].
]
```

nameSpaceImports

```
| imports result |
imports := Set new.
package classes do:
    [:ea |
        (ea name copyFrom: 1 to: 2) = 'WA'
            ifTrue: [imports add: #Seaside].
        (ea superclass name copyFrom: 1 to: 2) = 'WA'
            ifTrue: [imports add: #Seaside]].
result := String new writeStream.
result nextPutAll: 'Smalltalk.*'.
imports do: [:ea | result space; nextPutAll: ea; nextPutAll: '.*'].
^ result contents
```