GlamorousToolkit / GemStone integration

alistair.grant@feenk.com

Objectives

- Provide an update on what has happened recently
- Show how we're making GemStone development *moldable.*

ESUG 2023 - Load gpx data

The major portion of this talk is a live demonstration, it is probably better to view the recording on youtube when it becomes available.
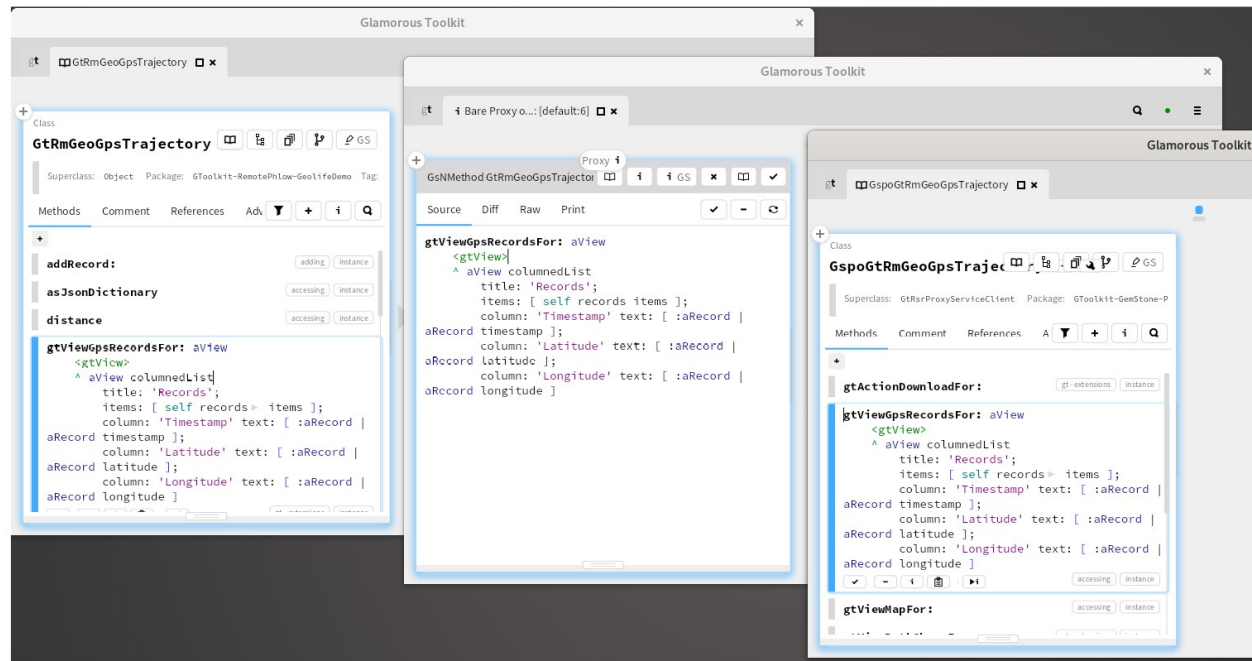
```
GtEsug20234GpxGeoUpload ▶ new ▶
    filename: ▶ '/home/alistair/gt/gt030/glamoroustoolkit/Export_30-08-23/tracks/rec/2023-08-30_08-30_Wed.gpx';
    username: ▶ 'Alistair';
    uploadData ▶ .
```

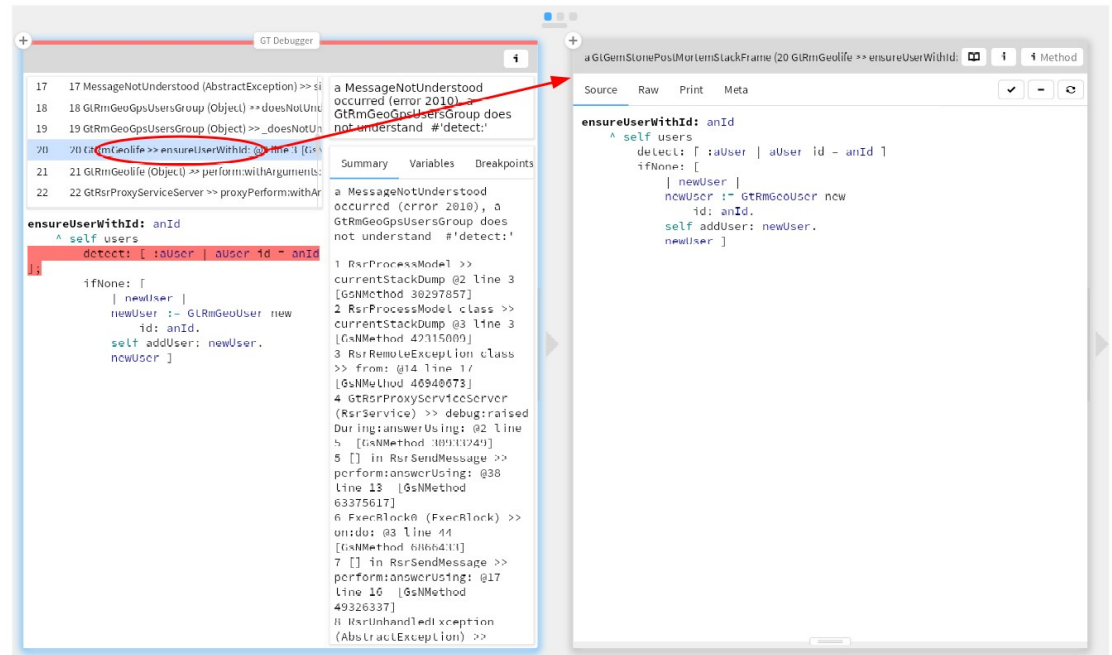GtRmGeolife defaultInstance   GemStone (default:8)
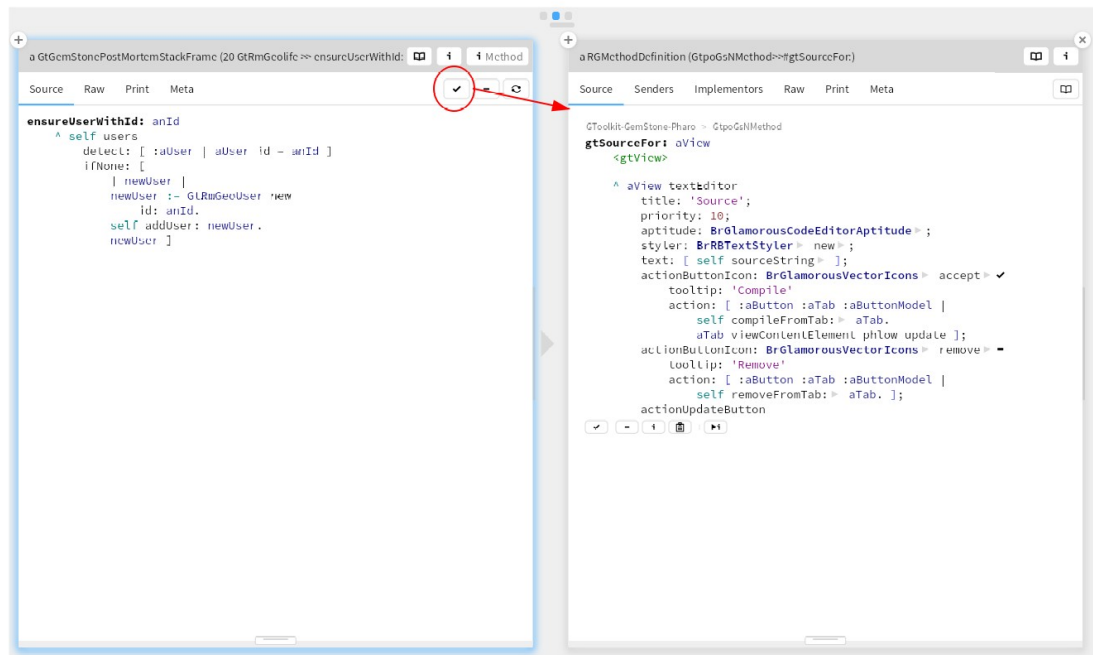
▶ 1 implicit reference

Knowing

Three view definition locations

Making first class object allows them to be viewed…

GT Debugger

17 17 MessageNotUnderstood (AbstractException) >> si
18 18 GtRmGeoGpsUsersGroup (Object) >> doesNotUnu
19 19 GtRmGeoGpsUsersGroup (Object) >> _doesNotUn
20 20 GtRmGeolife >> ensureUserWithId: @ line 1 [Gs
21 21 GtRmGeolife (Object) >> perform:withArguments:
22 22 GtRsrProxyServiceServer >> proxyPerform:withAr

ensureUserWithId: anId
    ^ self users
        detect: [:aUser | aUser id = anId
];
        ifNone: [
            | newUser |
            newUser := GtRmGeoUser new
                id: anId.
            self addUser: newUser.
            newUser]

a MessageNotUnderstood occurred (error 2010) a GtRmGeoGpsUsersGroup does not understand #'detect:'

Summary   Variables   Breakpoints

a MessageNotUnderstood occurred (error 2010), a GtRmGeoGpsUsersGroup does not understand #'detect:'.

1 RsrProcessModel >> currentStackDump @2 line 3 [GsNMethod 30297857]
2 RsrProcessModel class >> currentStackDump @3 line 3 [GsNMethod 42315009]
3 RsrRemoteException class >> from: @14 line 17 [GsNMethod 46940073]
4 GtRsrProxyServiceServer (RsrService) >> debug:raised During:answerUsing: @2 line 5 [GsNMethod 38933249]
5 [] in RsrSendMessage >> perform:answerUsing: @38 line 13 [GsNMethod 63375617]
6 ExecBlock0 (ExecBlock) >> on:do: @3 line 44 [GsNMethod 68664833]
7 [] in RsrSendMessage >> perform:answerUsing: @17 line 16 [GsNMethod 49326337]
8 RsrUnhandledException (AbstractException) >>

a GtGemStonePostMortemStackFrame (20 GtRmGeolife >> ensureUserWithId: Method

Source   Raw   Print   Meta

ensureUserWithId: anId
    ^ self users
        detect: [:aUser | aUser id = anId]
        ifNone: [
            | newUser |
            newUser := GtRmGeoUser new
                id: anId.
            self addUser: newUser.
            newUser]

... and acted on

Questions