

Source: t*node-schema!combine-field-IDs

File Edit Windows Session Egret Summary Private-Review Tools Feedback

Name: t*node-schema!combine-field-IDs
Project: *Project#244*
Specification:
Returns the set of field-schema-IDs in FIELD-IDS and NODE-SCHEMA-IDS.
Source-code:

```
(defun t*node-schema!combine-field-IDs (field-IDs node-schema-IDs)
  ""
  ;; done expensively, but the lists should be small
  ;; allows field-IDs to contain duplicates.
  (dolist (node-schema-ID node-schema-IDs)
    (mapc (function (lambda (more-field-IDs)
                      (setf field-IDs (append field-IDs more-field-IDs))))
          (t*node-schema*field-IDs node-schema-ID)))
  (remove-duplicates field-IDs))
```

Issues:

```
[--> (derives) Issue#466]
[--> (derives) Issue#448]
[--> (derives) Issue#398]
[--> (derives) Issue#422]
[--> returning undocumented value (356)]
[--> Ordering of field-IDs (350)]
[--> Undocumented spec or return error object (348)]
```

Comments:
Annotations:

--%CSRS: t*node-schema!combine-field-IDs (Private-Reviewer)--

Checklist: Checklist

File Edit Windows Session Egret Summary Private-Review Tools Feedback

Checklist
=====

Mon Dec 13 13:57:34 1993

| ID | Item |
|-----|---------------------------------|
| 310 | Implementation efficiency error |
| 314 | Miscellaneous |
| 316 | Implementation Logic Error |
| 318 | Implementation style error |
| 320 | Specification Ambiguous |
| 322 | Requirements not satisfied |
| 324 | Specification Error |

--%dat: Checklist (sbuff)----All-----

Review2: Issue#350

File Edit Windows Session Egret Summary Private-Review Tools Feedback

Subject: Ordering of field-IDs
Category: Requirements not satisfied
Criticality: HI (Fatal Error)
Source-node: t*node-schema!combine-field-IDs
Lines: 8
Description:
The field-IDs ordering is incorrect. Field-IDs in superschemas should come first.
Consensus: 1 (confirm)*, 0 (disconfirm), 0 (neutral)
Related-issues:
Proposed-actions:
Comments:

--%CSRS: Issue#350 (Private-Reviewer Fill)

Improving Software Quality through Computer Supported Collaborative Review

Philip M. Johnson and Danu Tjahjono
Department of Information and Computer Sciences
University of Hawaii
Honolulu, HI 96822
(808) 956-3489 (office), (808) 956-3548 (fax)

Formal technical review (FTR) is a cornerstone of software quality assurance. However, the labor-intensive and manual nature of review, along with basic unresolved questions about its process and products, means that review is typically under-utilized or inefficiently applied within the software development process. This paper describes CSRS, a computer-supported cooperative work environment for software review designed with two major goals. First, it improves the efficiency of review activities through a variety of computational services to reduce clerical and administrative overhead. Second, it supports empirical investigation into improved review methods through fine-grained, high quality instrumentation of the review process and products. This paper presents a typical scenario of CSRS in review, its data and process model, its application to process maturation, its relationship to other research, and its current status and future directions.