**Planning** 1. Inspection ID Team3 Date 2017/05/10

2. Team 3

Moderator 周延儒

Author Salvatore Sanfilippo(antirez)

Reviewer (1) 周延儒 (4) 鄭凱文

(2) 賴怡惠 (5) 賴明毅

(3) 曹寛怡 (6) 王立友

3. Documents

Work Products (1) editor\_ver1.c

References (1) NASA SOFTWARE FORMAL INSPECTIONS GUIDEBOOK.pdf

Checklists (1) classification of Fault Types.pdf

(2) Critical: syntax error

(3) Moderate: Redundant condition, Resundant statement, Redundant parameter, Unreachable code

(4) Minor: Mispelling

4. Meetings

Date Location Start End

Orientation

Review Meeting

5. Planning + References obtained for work product.

Objectives + Checklists obtained for work product.

+ Moderator is trained in Formal Technical Review procedure.

+ Team members agree to proposed times/dates.

+ Moderator’s quick review yields less than 5 major issues.

+ Reviewers understand responsibilities and are committed.

6. Planning Effort minutes

**Orientation** 7. Prep. Goals min/pkg \* pgs. = prep. min/reviewer

8. Orientation + Reviewers understand scope and purpose of work Objectives product.

+ Reviewers understand checking process, checklists, and references.

+ Work product, references, checklists, and checking forms provided.

9. Orient. Effort minutes \* participants = minutes

**Preparation** 10. Inspection ID Team3 11. Document editor\_ver1.c

12. Reviewer ID 104062223 13. Reviewer Name 鄭凱文

14. Critical, Severe and Moderate Issues

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Num | Location | Severity | Chk/Ref | Description |
| 1 | 205 | Severe | Logical Problem | tcgetattr(fd,&orig\_termios) === -1)  => tcgetattr(fd,&orig\_termios) == -1) |
| 2 | 312 | Minor | Unused Parameter | int getWindowSize(int ifd, int ofd, int \*rows, int \*cols, int **size**) => 參數size未使用 |
| 3 | 367 | Critical | Logical Problem | if (E.syntax = NULL) => if (E.syntax == NULL) |
| 4 | 402 | Severe | Logical Problem | row-->hl[i] => row->hl[i] |
| 5 | 543 | Minor | Misspelling | for (j = O ;…) => for (j = 0 ;…) |
| 6 | 578 | Minor | Misspelling | E.row[at].rsize = O;  => E.row[at].rsize = 0; |
| 7 | 586 | Minor | Misspelling | viod editorFreeRow(erow \*row)   * void editorFreeRow(erow \*row) |
| 8 | 589 | Severe | Syntax Error | free(row->hl) => free(row->hl) ; |
| 9 | 594 | Minor | Misspelling | viod editorDelRow(int at)   * void editorDelRow(int at) |
| 10 | 615 | Severe | Misspelling | four (…) => for (…) |
| 11 | 615 | Severe | Syntax Error | four (j = 0 ;…) => int j; (for C，變數需先宣告)  for(j = 0 ;…) |
| 12 | 621 | Severe | Misspelling | four (…) => for (…) |
| 13 | 621 | Severe | Syntax Error | four (j = 0 ;…) => int j; (for C，變數需先宣告)  for(j = 0 ;…) |
| 14 | 628 | Severe | Logical Problem | return buf ; => return \*buf ; |
| 15 | 641 | Severe | Syntax Error | row->chars[row->size+padlen+1] = '\0'   * row->chars[row->size+padlen+1] = '\0' ; |
| 16 | 642 | Severe | Logical Problem | row-->size => row->size |
| 17 | 687  (633) | Severe | Logical Problem | editorRowInsertChar(row,filecol,c);   * 少宣告一個int參數   (另外，該int參數在function內無作用) |
| 18 | 705 | Critical | Misspelling | goto fixcursore; => goto fixcursor; |
| 19 | 712 | Critical | Logical Problem | if (filecol = 0) {… => if (filecol == 0) {… |
| 20 | 723 | Critical | Logical Problem | if (E.cy = E.screenrows-1) {…   * if (E.cy == E.screenrows-1) {… |
| 21 | 745 | Minor | Misspelling | row = NUL; => row = NULL; |
| 22 | 750 | Critical | Logical Problem | E.cx == filecol; => E.cx = filecol; |
| 23 | 756 | Severe | Syntax Error | else 後面補上 ’{‘ |
| 24 | 777~  783 | Severe | Syntax Error | Line 777的if (!fp) {…，少了結束 ’ } ’ |
| 25 | 795 | Severe | Logical Problem | return ; => return 0 ; |
| 26 | 832 | Severe | Syntax Error | } => } ; |
| 27 | 866 | Severe | Syntax Error | …antelope\_VERSION)   * …antelope\_VERSION) ; |
| 28 | 873 | Severe | Syntax Error | abAppend(&ab, welcome welcomelen);   * abAppend(&ab, welcome , welcomelen); |
| 29 | 877 | Minor | Misspelling | continuel; => continue; |
| 30 | 888 | Severe | Syntax Error | for (j = 0 ;…) => int j ; (for C，變數需先宣告)  for (j = 0 ;…) |
| 31 | 889 | Critical | Logical Problem | if (hl[j] = HL\_NONPRINT) {…   * if (hl[j] == HL\_NONPRINT) {… |
| 32 | 955 | Severe | Syntax Error | if (row) {… 少了結束 ‘}’ |
| 33 | 960 | Minor | Misspelling | snprintf(buf, siceof (buf),…)   * snprintf(buf, sizeof (buf),…) |
| 34 | 1000 | Severe | Misspelling | whill (1) {… => while (1) { |
| 35 | 1005 | Minor | Misspelling | in1 c => int c |
| 36 | 1006 | Severe | Syntax Error | if (c == DEL\_KEY || c == CTRL\_H || c == BACKSPACE) => if (c == DEL\_KEY || c == CTRL\_H || c == BACKSPACE) {… |
| 37 | 1007 | Severe | Syntax Error | if (qlen != 0) query[--qlen] = '\0";   * if (qlen != 0) query[--qlen] = ‘\0’; |
| 38 | 1038 | Critical | Logical Problem | if (current = -1) {… => if (current == -1) {… |
| 39 | 1045 | Severe | Syntax Error | find\_next = 0 => find\_next = 0 ; |
| 40 | 1051 | Minor | Misspelling | erow \*row = &E.row[curent] ;   * erow \*row = &E.row[current] ; |
| 41 | 1087、  1094 | Severe | Syntax Error | Line 1087的else，沒有結束 ‘ } ’ |
| 42 | 1101 | Critical | Logical Problem | if (E.cx = E.screencols-1) {…   * if (E.cx == E.screencols-1) {… |
| 43 | 1155 | Minor | Misspelling | int c = editorReadKey( fddd ) ;   * int c = editorReadKey( fd ); |
| 44 | 1187 | Critical | Logical Problem | if (c = PAGE\_UP && E.cy != 0)   * if (c == PAGE\_UP && E.cy != 0) |
| 45 | 1189 | Critical | Logical Problem | else if (c = PAGE\_DOWN && E.cy !=  E.screenrows-1)   * else if (c == PAGE\_DOWN && E.cy != E.screenrows-1) |
| 46 | 1191~  1193 | Minor | Syntax Error | ‘ { ‘ 的位置應為 while(times--) { …  } |
| 47 | 1233 | Severe | Syntax Error | If(getWindowSize(STDIN\_FILENO,  STDOUT\_FILENO, &E.screenrows, &E.screencols) == -1) ，給予參數不足 |
| 48 | 1254 | Critical | Unreachable code | while(0) => while(1) |
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15. Effort 130 minutes 16. Issues 11 25 0 12

Total Critical Severe Moderate Minor Author Q’s

17. Preparation + Work product has been completely checked.

Objectives + All critical, severe and moderate issues are noted on this form.

+ All minor issues and author questions are noted on the work product.

**Review** Aggregate Checking Data

**Meeting** R1 R2 R3 R4 R5 Total

18. Prep. Effort + + + + + minutes

19. #Critical Iss. + + + + + issues

20. #Severe Iss. + + + + + issues

21. #Moder. Iss. + + + + + issues

22. #Minor Iss. + + + + + issues

23. #Author Q’s + + + + + questions

23. Consolidated list of critical, severe, and moderate issues

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24. Review Meeting + All reviewers present. List absent reviewer ID’s:

Objectives + All reviewers prepared sufficiently for meeting.

+ All issues noted by Scriber and understood by Author for rework.

+ Any problems with inspection process have been noted.

25. R. M. Effort minutes \* participants = minutes