Planning 1. Inspection ID _____ Date _____

1. Inspection ID __6_____ _2016/5/10_____

2. Team   ____102062109_____ _____

   Moderator ____102062331_____ _____

   Author

   Reviewers (1)_____102062109_____ (4)_____102062331_____

              (2)_____ (5)_____

              (3)_____ (6)_____

3. Documents

   Work products (1)____replace.c_____ (4)_____

                  (2)_____ (5)_____

                  (3)_____ (6)_____

   References (1)_____ (2)_____

   Checklists (1)___ Syntax error _____ (3)____ Redundant _____

              (2) __Logic problem____ (4)____Wrong words_____

4. Meetings   Date   Location   Start   End

   Orientation   _ 2016/5/5__   ___EECS328_   ___20:00__   _____21:30___

   Review Meeting __2016/5/11___ __DELTA 5F_   ___22:00__   _____22:50_____

5. Planning   o References obtained for work product.

   Objectives   o Checklists obtained for work product.

                o Moderator is trained in Formal Technical Review procedure.

                o Team members agree to proposed times/dates.

                o Moderator's quick review yields less than 5 major issues.

                o Reviewers understand responsibilities and are committed.

6. Planning Effort _80_____minutes

Orientation   7. Prep. Goals   _____min/pkg X _____pgs. = _____prep.min/reviewer

7. Prep. Goals   ____20_min/pkg x __19___pgs. = ____380____ prep.min/reviewer

8. Orientation   o Reviewers understand scope and purpose of work product.
   Objectives   o Reviewers understand checking process, checklists, and references.
                o Work product, references, checklists and checking forms provided.

9. Orient. effort   15_____minutes x   2__participants =   30_____minutes

Preparation   10. Inspection ID 6   11. Document _____

12. Reviewer ID -   13. Reviewer name 李家銘 _____

102062331

14. Critical, Severe and Moderate Issues

Num	Location	Severity	Chk/Ref	Description
1	2	Critical	Syntax error	miss "#include<stdio.h>"
2	44	Critical	Syntax error	miss';'
3	145	Critical	Syntax error	miss'}'
4	146	Critical	Syntax error	miss'{'
5	151	Critical	Syntax error	miss'}'
6	191	Critical	Syntax error	miss';'
7	329	Critical	Syntax error	miss';'
8	415	Critical	Wrong words	"pet" should be "pat"
9	405	Critical	Syntax error	miss "int"type
10	446	Critical	Syntax error	miss'{'
11	463	Critical	Syntax error	miss'}'
12	559	Critical	Wrong words	"stdou" miss 't'
13	325	Minor	Redundant	"flag = true;"
14	335	Severe	Logic problem	flag++ should be flag
15	11	Critical	Syntax error	"NULL"redefined

15. Effort 80   minutes   16. Issues   13   1   0   1   0

Totals   critical   severe   moderate   minor   author Q's

17. Preparation   o Work product has been completely checked.

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

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

14. Critical, Severe and Moderate Issues

Num	Location	Severity	Chk/Ref	Description
1	2|43···	Critical	Syntax error	miss "#include<stdio.h>"
2	44	Critical	Syntax error	miss';'
3	86	Critical	Logic problem	
4	104	Critical	Syntax error	redefined" i"
5	145	Critical	Syntax error	miss'}'
6	146	Critical	Syntax error	miss'{'
7	151	Critical	Syntax error	miss'}'
8	168 169	Critical	Wrong words	"jt" should be "ja"
9	191	Critical	Syntax error	miss';'
10	254	Critical	Syntax error	num of parameter iswrong

11	329	Critical	Syntax error	miss';'
12	385~388	Critical	Redundant	no use
13	415	Critical	Wrong words	"pet" should be "pat"
14	405	Critical	Syntax error	miss "int"type
15	469~471	Critical		else···.
16	446	Critical	Syntax error	miss'{'
17	463	Critical	Syntax error	miss'}'
18	455	Severe	Logic problem	|| ture
19	117	Severe	Logic problem	no "isalnum" function
20	532	Minor	Redundant	"flag" no use
21	559	Critical	Wrong words	"stdou" miss 't'
22	5	Minor	Redundant	no use
23				

15. Effort __130__ minutes   16. Issues __18__ __2__ __0__ __2__ __0__

Totals   critical   severe   moderate   minor   author Q's

17. Preparation   o Work product has been completely checked.

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

    o 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	80 +	130 +	___ +	___ +	___ =	210	minutes
19. #Critical Iss.	18 +	13 +	___ +	___ +	___ =	31	issues
20. #Severe Iss.	2 +	1 +	___ +	___ +	___ =	3	issues
21. #Moder. Iss.	0 +	0 +	___ +	___ +	___ =	0	issues
22. #Minor Iss.	2 +	1 +	___ +	___ +	___ =	3	issues
22. #Author Q's	0 +	0 +	___ +	___ +	___ =	0	questions

23. Consolidated list of critical, severe and moderate issues

Num	Location	Severity	Chk/Ref	Description
1	2	Critical	Syntax error	miss "#include<stdio.h>"
2	5	Minor	Redundant	no use
3	11	Critical	Syntax error	"NULL" redefined
4	44	Critical	Syntax error	miss';'
5	86	Critical	Logic problem	
6	104	Critical	Syntax error	redefined" i"
7	117	Severe	Logic problem	no "isalnum" function
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14	325	Minor	Redundant	"flag = true;"
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18	405	Critical	Syntax error	miss "int"type
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20	446	Critical	Syntax error	miss'{'
21	463	Critical	Syntax error	miss'}'
22	455	Severe	Logic problem	ll ture
23	469~471	Critical		else···.
24	532	Minor	Redundant	"flag" no use
25	559	Critical	Wrong words	"stdou" miss 't'

24. Review Meeting

Objectives

o All reviewers present. List absent reviewer ID's: _____

o All reviewers prepared sufficiently for meeting.

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

o Any problems with inspection process have been noted.

25. R.M. effort   120   minutes x 2   participants =   240   minutes

Inspection Metrics

Please calculate the following metrics and record the process. (e.g., the formula)

Total Defects Found:22+15-12=25
Total inspection hours:80min+130min=210min=3.5hour

- Estimated Total Defects:

_____22*15/12=27.5_____

- Yield:

_____(25/27.5)*100%=90.91%_____

- Defect Density: _____25/19=1.31_____

- Inspection Rate: _____19pages/3.5hours=5.43pages/hour _____

- Defect Finding Efficiency: ___25/3.5hours=7.14defects/hour _____