

Planning

1. Inspection ID Team9_1

2. Team

Author Rosetta
Reviewers 陳柏宇
 方晟軒

3. Documents

Work products code
References NASA
 SOFTWARE
 FORMAL
 INSPECTIONS
 GUIDEBOOK
Checklists Classification-of
 Fault-Types

4. Meetings	Date	Location	Start	End
Orientation	12/18	台達702	19:00	21:00
Review Meeting	12/19	台達702	19:00	22:00

5. Planning
- Objectives
- References obtained for work product.
 - 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 30 minutes

Orientation

7. Prep. Goals 120 min/pkg * 1 pgs. = 120 prep.min/reviewer

8. Orientation ● Reviewers understand scope and purpose of work product.

Objectives ☒ Reviewers understand checking process, checklists, and references.

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

9. Orient. effort 120 minutes * 2 participants = 240 minutes

Preparation

10. Inspection ID	Team9_1	11. Document	AVL tree.cpp
12. Reviewer ID	107062626	13. Reviewer name	陳柏宇

14. Critical, Severe and Moderate Issues

<i>Num</i>	<i>Location</i>	<i>Severity</i>	<i>Chk/Ref</i>	<i>Description</i>
1	L13	severe	Variable-type incorrect	Change parameter from p to *p
2	L39	minor	Variable-type incorrect	return type error should return int rather than void
3	L43	minor	Missing item	Class should end with ;
4	L50	minor	Incorrect item	Change '=' to '=='
5	L107	minor	Missing item	Should end with ;
6	L126	critical	Logic problem	Should be rotateLeft(n->left)
7	L132	critical	Logic problem	Should be rotateRight(n->right)
9	L151	minor	Incorrect item	Should be if(n!=NULL)
10	L158	moderate	Missing item	add ' template <class T> '
11	L168	author Q's	Improve code efficiency	Should be "root == NULL "
12	L173	moderate	Missing item	Should be n* = root
13	L183	severe	Logic problem	Should be ? n->left : n->right
15	L229	minor	Missing item	Should add }
16	L246	minor	Missing item	should be std::endl
15. Effort	60	minutes		

16. Issues	critical	severe	moderate	minor	author Q's
Totals	2	2	2	7	1

17. Preparation
- Objectives
- ☒ Work product has been completely checked.
 - ☒ All critical, severe and moderate issues are noted on this form.
 - ☒ All minor issues and author questions are noted on the work product.

Preparation

10. Inspection ID	Team9_1	11. Document	AVL tree.cpp
12. Reviewer ID	107062631	13. Reviewer name	方晟軒

14. Critical, Severe and Moderate Issues

1	L13	severe	Variable-type incorrect	Change parameter from p to *p
2	L39	minor	Variable-type incorrect	return type error should return int rather than void
3	L43	minor	Missing item	Class should end with ;
4	L50	minor	Incorrect item	Change '=' to '=='
5	L107	minor	Missing item	Should end with ;
8	L146	minor	Computational problem	Should be height(n->left) - height(n->right)
9	L151	moderate	Incorrect item	Should be if(n!=NULL)
10	L158	author Q's	Missing item	add ' template <class T> '
12	L173	moderate	Missing item	Should be n* = root
13	L183	severe	Logic problem	Should be ? n->left : n->right
14	L225	author Q's	Improve code efficiency	Should be (n->left != NULL)
15	L229	minor	Missing item	Should add }
16	L246	minor	Missing item	should be std::endl

15. Effort 54 minutes

16. Issues	critical	severe	moderate	minor	author Q's
Totals	0	2	2	7	2

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 Meeting**Aggregate Checking Data**

	R1		R2		R3		Total	unit
18. Prep. Effort	54	+	60	+	0	=	114	(minutes)
19. #Critical Iss.	2	+	0	+	0	=	2	(issues)
20. #Severe Iss.	2	+	2	+	0	=	4	(issues)
21. #Moder. Iss.	2	+	2	+	0	=	4	(issues)
22. #Minor Iss.	7	+	7	+	0	=	14	(issues)
23. #Author Q's	1	+	2	+	0	=	3	(questions)

24. Consolidated list of critical, severe and moderate issues

<i>Num</i>	<i>Location</i>	<i>Severity</i>	<i>Chk/Ref</i>	<i>Description</i>
1	L13	severe	Variable-type incorrect	Change parameter from p to *p
2	L39	minor	Variable-type incorrect	return type error should return int rather than void
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16	L246	minor	Missing item	should be std::endl

25. Review Meeting ● All reviewers present. List absent reviewer ID's:

Objectives _____ 107062631 107062626 _____

- 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.

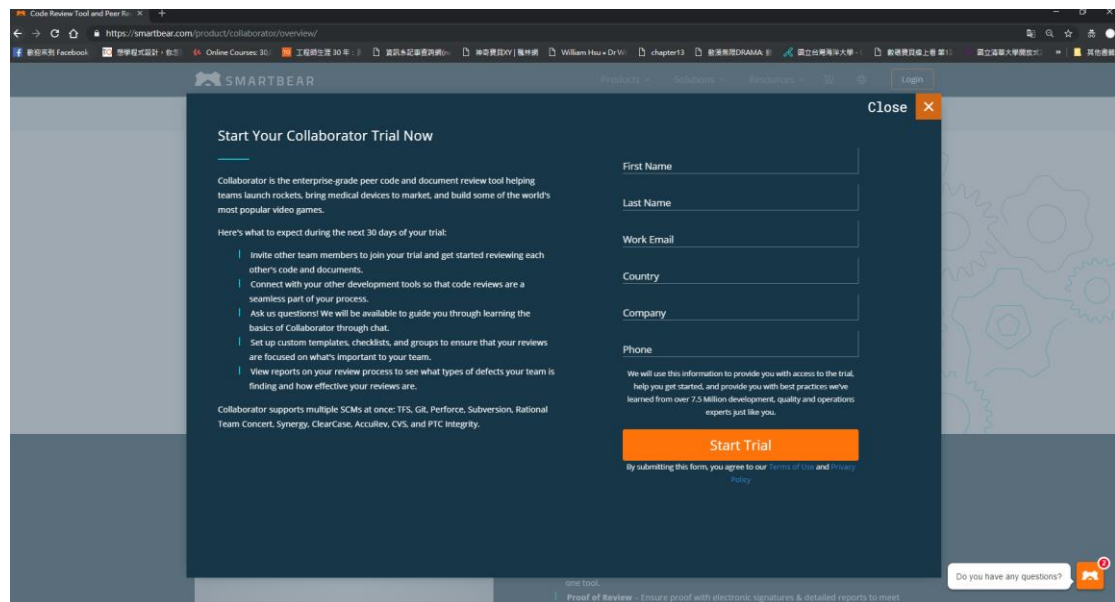
26. R.M. effort _____ 180 _____ minutes * _____ 2 _____ participants = _____ 360 _____ minutes

III Open tool introduce

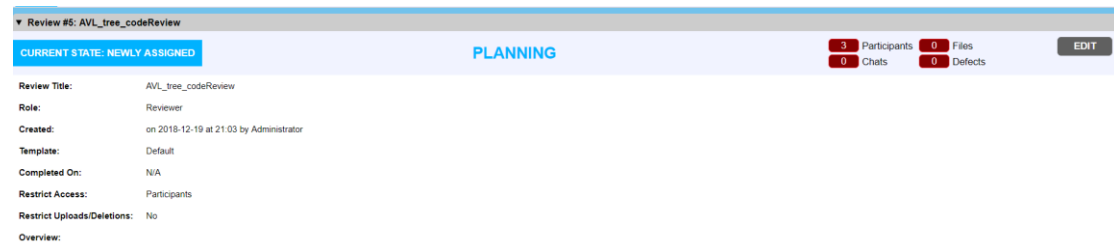
我們是使用名為”collaborator”的線上 open source

<https://smartbear.com/product/collaborator/overview/>

一開始要先申請帳戶才能開始免費體驗



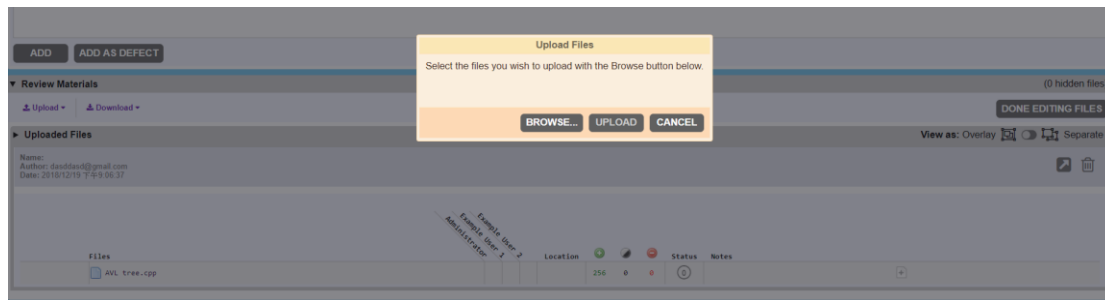
接著就可以進入該系統介面中，一開始我們就先新增了一個 Code review



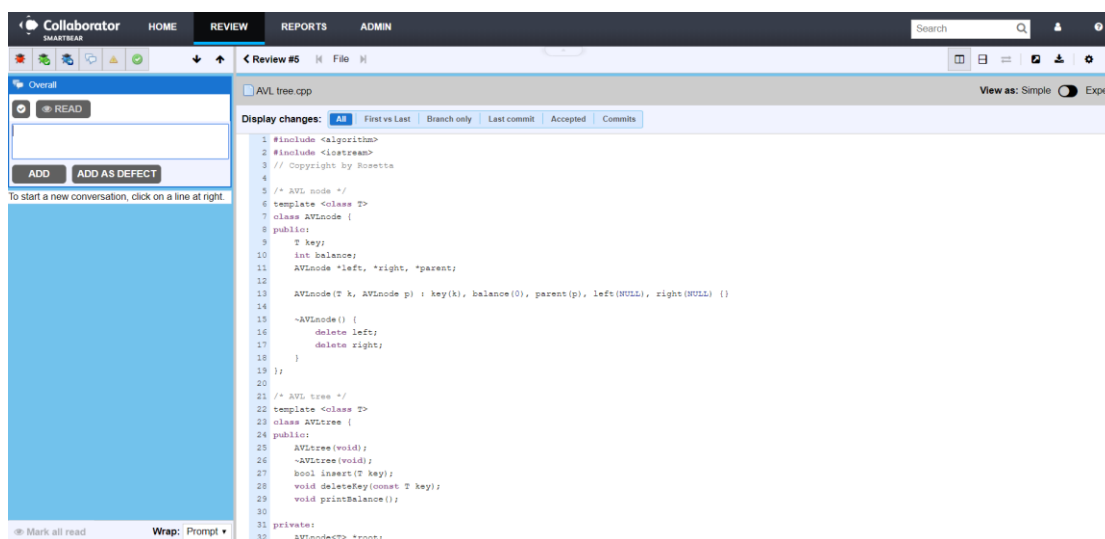
設定與會人員，這裡我用 example user1 和 example user2 做例子

Participants			
Group by Role			
JIRA Ticket All iCal All Email All Poke All EDIT			
Author	Role	State	Action
Example User 2	Author	Active	
Reviewer	Role	State	Action
Example User 1	Reviewer	Active	
Administrator	Reviewer	Active	+886982123456
Observer	Role	State	Action
There are no participants in the Observer role			

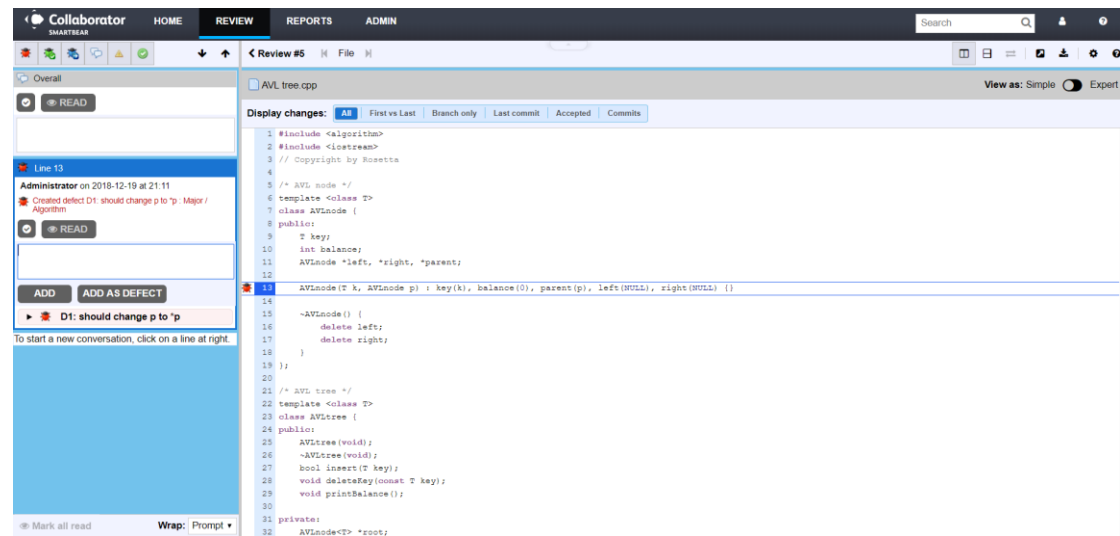
上傳要 review 的程式碼(avl_tree.cpp)



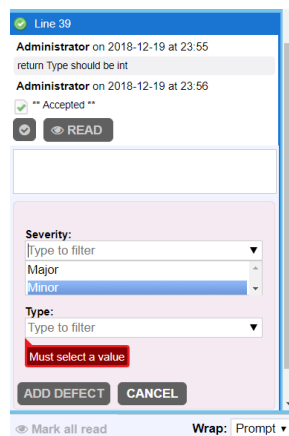
上傳完成之後，點選該 file 即可開始檢視 code



在 code 部分，若點選某一行，左方即會出現可以輸入 defect/comment 的地方



Comment 是建議，defect 則是程式的漏洞，這邊我們用 defect 為例
可以輸入問題、他的嚴重程度(severity)和種類(Type)



接著會 Home 頁就會 log 所有的 comment 或 defect

Defect Log

State	ID	Author	Date	Location	Origin	Text	Severity	Type
Open	1	Administrator	2018-12-19	AVL tree.cpp, Line 13	AVL tree.cpp, Line 13	should change p to *p	Major	Algorithm
Fixed	2	Administrator	2018-12-19	AVL tree.cpp, Line 43	AVL tree.cpp, Line 43	error should be;	Minor	Build

Chat

ADDADD AS DEFECT

Review Materials

UploadDownload

Uploaded Files

Name:Administrator: daddadad@gmail.comDate: 2018/12/19 7:49:06,37

View as: Overlay

Files

AVL tree.cpp

Location

2560

Status

Notes

之後即可點選 mark fixed(左圖)如果該錯誤修正了，該 bug 就會更新成綠色表示已修正(右圖)

Line 43

Administrator on 2018-12-19 at 23:59

Created defect D2: error should be; : Minor / Build

Administrator on 2018-12-20 at 00:09

Created defect D3: lack of; : Minor / Build

Accepted

Defect D3 deleted

Marked defect fixed: D2

READ

ADDADD AS DEFECT

D2: error should be;

Severity: Minor

Type: Build

ID: D2

By: Administrator

On: Wed Dec 19 23:59:51 GMT+800 2018

REOPEN

Line 43

Administrator on 2018-12-19 at 23:59

Created defect D2: error should be; : Minor / Build

Administrator on 2018-12-20 at 00:09

Created defect D3: lack of; : Minor / Build

Accepted

Defect D3 deleted

READ

ADDADD AS DEFECT

D2: error should be;

Severity: Minor

Type: Build

ID: D2

By: Administrator

On: Wed Dec 19 23:59:51 GMT+800 2018

EDITMARK FIXED

To start a new conversation, click on a line at light.