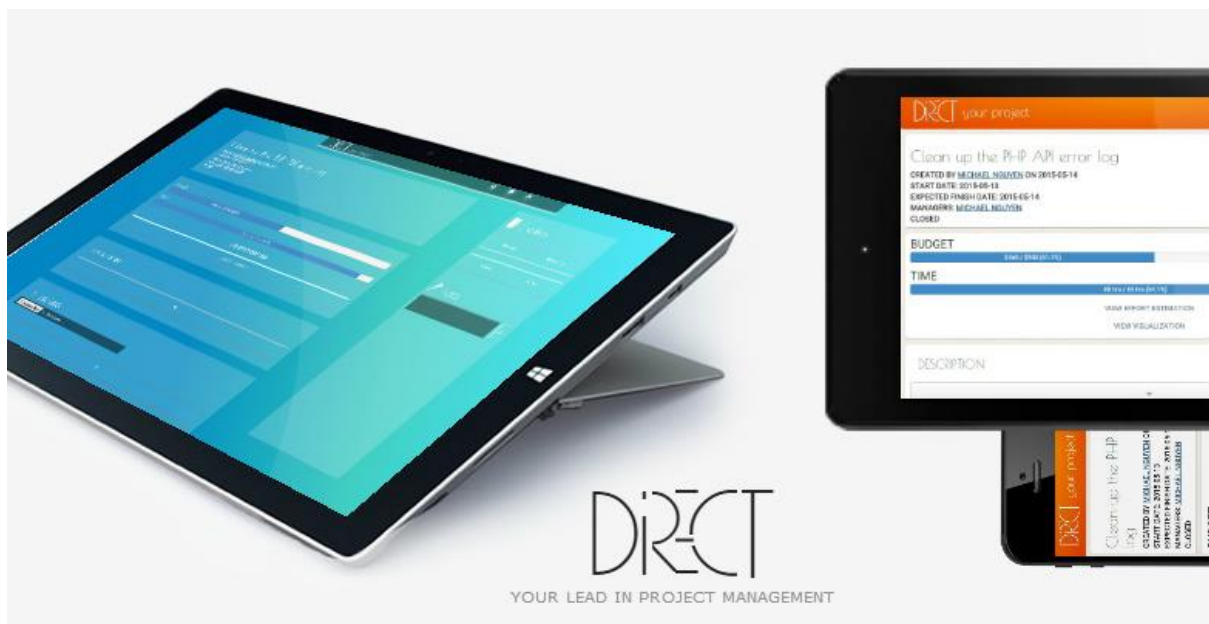


"Direct." test plan

Build: "Direct." Alpha release version 1

Testing type: Unit, Integration, Functional, SAT, Top-down, A/B



Author	Date	Version	Comment
Michael Nguyen	19/05/2015	1.0	Created test plan document, which covers everything (minus the object-level permissions system).
Michael Nguyen	19/05/2015	1.1	Removed duplicate test cases & fixed test case IDs. Also set test case priorities.

Contents

Test plan execution objectives	3
Test plan execution preparation.....	3
Test case result definitions.....	3
Test case importance levels	3
Test cases	4
Login.....	4
Generic	6
Item creation.....	8
Notifications system	10
Project list	12
Task list	13
Project details	14
Milestone details	17
Task details	19
User details	20
Search.....	21
Project visualization	23
Project effort estimation	25
Editing	27
Logout	30

Test plan execution objectives

To carry out a time-efficient method of identifying bugs in the system, which have a significant impact on the project's success. Hence, this objective is met through the execution of functional test cases through integrating testing. This plan places a strong emphasis on SAT.

Regression UAT will be executed in a subsequent test plans, after the critical bugs found from the execution of this test plan are fixed.

Test plan execution preparation

Before proceeding, backup & clear the database. Then insert 2 users which have the role "project manager". Hans should use the first user & Biao should use the second user.

Test case result definitions

Result	Definition
Pass	The observed system behaviour is consistent with the test case's expected behaviour.
Fail	The observed system behaviour is NOT consistent with the test case's expected behaviour.
Blocked	The test case could not be run, because it involves executing steps in an already failed test case.

Test case importance levels

Importance	Description
Critical	<p>This test case tests the implementation that aims to meet a core requirement. This test case MUST PASS in order to deliver the correct software solution to the client.</p> <p>Examples include managing a project's milestones, adding comments to a task & creating new users.</p>
High	<p>This test case is for System Acceptance Testing (SAT) & has a high weight in determining the solutions success.</p> <p>It tests the implementation of a functional requirement such as a drop-down list.</p>
Low	<p>This test case is for User Acceptance Testing (UAT) & has a low weight in determining the solutions success.</p> <p>Examples include UI aspects such as aesthetics & usability, & other messages such as success/fail notifications.</p>

Test cases

The following test cases are to be tested on **both** Mobile & desktop versions of the website.
Perform the tests using Chrome, version 42.

Login

ID: LGN-1	Title: No header controls	Test importance: Low
Assigned to: Hans Maritz, Biao Zhang		
Scope: On the login webpage, there should be no buttons in the header		
Steps to execute: <ol style="list-style-type: none">1. Ensure you are at the "login" webpage2. Look at the header		Expected results: <ol style="list-style-type: none">1. –2. There should be no buttons
Result: PASS FAIL BLOCKED		Failure details:

ID: LGN -2	Title: Login attempt with no credentials	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: this test case covers the login webpage (specifically, the username & password fields, & the "login" button)		
Steps to execute: <ol style="list-style-type: none">1. Ensure you are at the login webpage2. Ensure there is nothing in the "username" and "password" input fields3. Press the "LOGIN" button		Expected results: <ol style="list-style-type: none">1. –2. The username & password fields show the light grey text "username" and "password" respectively3. You will receive an error message at the top, saying "Alright mate, I don't accept fake IDs"
Result: PASS FAIL BLOCKED		Failure details:

ID: LGN -3	Title: Entered password should be displayed as black circles	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: the password input field, at the "login" webpage		
Steps to execute: <ol style="list-style-type: none">1. Ensure you are at the login webpage2. Type some text into the "password" field		Expected results: <ol style="list-style-type: none">1. –2. You will NOT see the characters you entered, but rather black circles. There should be 1 black circle per character.
Result: PASS FAIL BLOCKED		Failure details:

ID: LGN -4	Title: Login attempt with invalid credentials	Test importance: Critical
------------	---	---------------------------

Assigned to: Hans Maritz, Biao Zhang	
Scope: this test case covers the login webpage (specifically, the username & password fields, & the "login" button)	
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are at the login webpage 2. Put in an invalid username & password combination into the username & password fields respectively 3. Press the "LOGIN" button 	Expected results: <ol style="list-style-type: none"> 1. – 2. The username field shows the username you entered in. <p>The password field does NOT show the password you entered in, but rather shows a series of black circles.</p> <ol style="list-style-type: none"> 3. You will receive an error message at the top, saying "Alright mate, I don't accept fake IDs"
Result: PASS FAIL BLOCKED	Failure details:

ID: LGN -5	Title: Login attempt with valid credentials	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: this test case covers the login webpage (specifically, the username & password fields, & the "login" button)		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are at the login webpage 2. Put in a VALID username & password combination into the username & password fields respectively 3. Press the "LOGIN" button 	Expected results: <ol style="list-style-type: none"> 1. – 2. The username field shows the username you entered in. <p>The password field does NOT show the password you entered in, but rather shows a series of black circles.</p> <ol style="list-style-type: none"> 3. You will receive a success message the top in green, saying "Cheers, mate". <p>After 1 second, you will be redirected to the project list webpage.</p>	
Result: PASS FAIL BLOCKED	Failure details:	

Generic

ID: GEN-1	Title: header has buttons	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: This test case covers a series of buttons, which are shown in the header. Interacting with each button does a certain action.		
Steps to execute: <ol style="list-style-type: none"> 1. Press the search button 2. Press the print button 3. Press the notifications button 4. Press the edit button 5. Press the logout button 		Expected results: <ol style="list-style-type: none"> 1. Search: redirects you to the search page 2. Print: should NOT be shown on the mobile version of the website. On the desktop version of the website, clicking it will show a print popup. The print preview will be in color (NOT black and white) 3. Notifications: opens a panel, which contains 1 button. The test case for this 1 button is covered in another test case. 4. Edit: pressing it on the "project details", "milestone details", "task details", "user details" webpage will show a series of edit panels 5. Logout: pressing it will show a "tick" after 2 seconds, & will eventually redirect you to the login webpage
Result: PASS FAIL BLOCKED		Failure details:

ID: GEN-2	Title: Users are not able to see "print" button on mobile devices	Test importance: Low
Assigned to: Hans Maritz, Biao Zhang		
Scope: Printing is not supported on mobile devices. This is to do with the "print" button in the header.		
Steps to execute: <ol style="list-style-type: none"> 1. Look at the header 		Expected results: <ol style="list-style-type: none"> 1. If you are on the "mobile" version of the website, you will NOT see a "print" button. <p>If you are on the "desktop" version of the website, you WILL see a "print" button</p>
Result: PASS FAIL BLOCKED		Failure details:

ID: GEN-3	Title: User can go back to task list webpage by clicking the header logo	Test importance: Low
Assigned to: Hans Maritz, Biao Zhang		
Scope: The header logo refers to the "DIRECT" logo at the top		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are scrolled to the top of the webpage 		Expected results: <ol style="list-style-type: none"> 1. – 2. You will be redirected to the task list

2. Tap/Click the "DIRECT" logo in the header	webpage
Result: PASS FAIL BLOCKED	Failure details:

Item creation

ID: ITEM-C-1	Title: Users can create projects	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Projects details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the project details webpage 3. Press the "create project" button (which is on the right for the desktop version of the website, & at the top for the mobile version of the website) 4. Fill in the details & click/tap the "tick" button 	Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of input fields will show, which allow you to create a project 4. You will receive a success message. Clicking/tapping the link in the success message will show the items details, which matches what you specified in step #4 	
Result: PASS FAIL BLOCKED		Failure details:

ID: ITEM-C-2	Title: Users can create milestones	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Milestone details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the milestone details webpage 3. Press the "create milestone" button 4. Fill in the details & click/tap the "tick" button 	Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of input fields will show, which allow you to create a milestone 4. You will receive a success message. Clicking/tapping the link in the success message will show the items details, which matches what you specified in step #4 	
Result: PASS FAIL BLOCKED		Failure details:

ID: ITEM-C-3	Title: Users can create tasks	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Task details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the task details webpage 3. Press the "create task" button in the header 4. Fill in the details, & click/tap the "tick" 	Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of input fields will show, which allow you to create a task 4. You will receive a success message. Clicking/tapping the link in the success message will show the items details, 	

button	which matches what you specified in step #4
Result: PASS FAIL BLOCKED	Failure details:

ID: ITEM-C-4	Title: Users can create users	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: User details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the task details webpage 3. Press the "create user" button in the header 4. Fill in the details, & click/tap the "tick" button 		Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of input fields will show, which allow you to create a user 4. You will receive a success message. Clicking/tapping the link in the success message will show the items details, which matches what you specified in step #4
Result: PASS FAIL BLOCKED		Failure details:

ID: ITEM-C-5	Title: Users can create temporal notes	Test importance: Low
Assigned to: Hans Maritz, Biao Zhang		
Scope: Any webpage, except the login webpage.		
The scope of this test case ONLY covers the "desktop" version of the website		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are at either a "project details", "milestone details", "task details" or "user details" webpage 2. Look at the right of the screen 3. Put NOTHING into the textbox under the heading "Notes" 4. Click the "tick" button 5. Put some text into the textbox 6. Click the "tick" button 7. Click a link to navigate to another webpage 		Expected results: <ol style="list-style-type: none"> 1. – 2. You should see a heading "Notes". Under it should be a textbox & a "tick" button 3. – 4. Nothing should happen 5. Your text will show in the textbox 6. A note will be added under the textbox. <p>Additionally, the textbox should be cleared.</p> <ol style="list-style-type: none"> 7. Your temporal notes should not show anymore
Result: PASS FAIL BLOCKED		Failure details:

Notifications system

ID: NTF-1	Title: User can send & receive a message to/from another user	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: The "notifications" button in the header, the notifications system itself, messaging to another user		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are at a page that is NOT the login webpage 2. Ask the other testing user to stop what they are doing & to stop interacting with the system 3. Tap/Click the "notifications" button in the header 4. Tap/Click the "new message" button 5. Select a user 6. Put in a message 7. Ask the other testing user to "keep an eye out" for a notifications alert on their computer, which will appear at the top of the screen 8. Tap/Click the "tick" button 9. Ask the other user to tap/click the "edit" button in the header 		Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. The "notifications" pane will show, which will contain 1 button 4. The "to" and "message" fields will be shown 5. – 6. Your message will show in the textbox 7. – 8. The other user will see a notifications alert at the top of their screen 9. They should see your message
Result: PASS FAIL BLOCKED		Failure details:

ID: NTF-2	Title: User receives notification when a watched task is edited	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: task details webpage, notifications system		
Steps to execute: <ol style="list-style-type: none"> 1. Go to a task details webpage 2. Click the "eye" button 3. Ask the other testing user to edit the task you just watched (ensure that they are editing the same task) 4. Refresh the webpage 		Expected results: <ol style="list-style-type: none"> 1. You will see the details for that task 2. You will receive a success message at the top, saying that you are now watching this task 3. They will receive a success message the top, saying that their edits have been published 4. You will see the NEW value of their edit
Result: PASS FAIL BLOCKED		Failure details:

ID: NTF-3	Title: Users that are not project managers will need a request approval approved by a project manager before their edits are applied. Project managers can approve edit requests. Project managers can reject edit requests.	Test importance: Critical
-----------	--	---------------------------

	User receives a message when a project manager approves/rejects their edit request. User will be notified when they receive a new message.	
Assigned to: Hans Maritz, Biao Zhang		
Scope: This test case covers the database, users & the notifications system		
Steps to execute: 1. Navigate to the project list webpage 2. Tap/Click the "add user" button 3. Fill in the details & be sure to remember the username and password 4. For the "Role", select "Developer" from the drop-down list 5. Ensure all details are filled in 6. Tap/click the "tick" button 7. Log out, then log into the user you just created 8. Navigate to a project, milestone or task 9. Tap/Click the "edit" button in the header, & edit the item 10. Log out, then log into your initial user account 11. Check your notifications 12. Accept the approval request 13. Log out, then log into the user you created 14. Check your notifications 15. View the details of the item you just edited	Expected results: 1. You should see a list of projects 2. A list of input fields should be shown 3. – 4. – 5. – 6. You should receive a success message at the top, saying that the user was created 7. – 8. – 9. After tapping/clicking the "tick" button, you should see a success message at the top, saying that a request has been sent to a project manager 10. – 11. You will see a message, which allows you to either accept or reject the edit request 12. You will see a success message at the top, saying that your decision has been processed 13. – 14. You should see a message, saying that your request approval has been accepted or rejected 15. You should see your new edit	
Result: PASS FAIL BLOCKED	Failure details:	

Project list

ID: PRJ-LS-1	Title: User can filter project list by "projects managing"	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project list webpage		
Steps to execute: <ol style="list-style-type: none"> Go to the project list webpage Tap/Click the "projects managing" tab 		Expected results: <ol style="list-style-type: none"> – You will see the details of the projects you are managing
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-LS-2	Title: User can view all projects in the system	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project list webpage		
Steps to execute: <ol style="list-style-type: none"> Go to the project list webpage Tap/Click the "all projects" tab 		Expected results: <ol style="list-style-type: none"> – You will see the details of all the projects in the system
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-LS-3	Title: Able to navigate to task list webpage	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: project list & task list webpage		
Steps to execute: <ol style="list-style-type: none"> Go to the project list webpage Tap/Click the "View tasks assigned to you" 		Expected results: <ol style="list-style-type: none"> – You will be redirected to the task list webpage
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-LS-4	Title: User can view a project managers details	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project details webpage, user details webpage		
Steps to execute: <ol style="list-style-type: none"> Go to the project details webpage for a project In the list of project managers, click/tap a user 		Expected results: <ol style="list-style-type: none"> You should see a list of project managers for the selected project You should be redirected to the user details webpage, showing the details of the selected project manager
Result: PASS FAIL BLOCKED		Failure details:

Task list

ID: TSK-LS-1	Title: Can navigate to project list	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: task list webpage, project list webpage, user with the role "project manager".		
Steps to execute: <ol style="list-style-type: none"> 1. Go the project list webpage 2. Click/tap the hyperlink "View tasks assigned to you" 3. Click/tap the hyperlink "Project list" (at the top) 		Expected results: <ol style="list-style-type: none"> 1. – 2. You should be redirected to the task list webpage, showing the tasks assigned to you & all the tasks in the system 3. You should be redirected to the project list webpage
Result: PASS FAIL BLOCKED		Failure details:

ID: TSK-LS-2	Title: User can view ONLY the tasks that are assigned to them	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: task list webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Go to the project list webpage 2. Click/tap the "new user" button 3. Fill the in the details. For the "Role", select a role that is NOT "project manager" 4. Click/tap the "tick" button 5. Logout, using the logout button in the header 6. Login to the user you just created 		Expected results: <ol style="list-style-type: none"> 1. – 2. You should see a series of input fields, allowing you to specify the new user's details 3. – 4. You should receive a success message at the top, saying the user was created 5. – 6. You should end up at the task list webpage. Additionally, you should ONLY see the tasks assigned to you (not ALL of the tasks in the system)
Result: PASS FAIL BLOCKED		Failure details:

Project details

ID: PRJ-1	Title: User can view a projects details	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Go to the project list webpage 2. Tap/Click on the project ID 3. View the projects details 		Expected results: <ol style="list-style-type: none"> 1. You should see a list of projects you are managing 2. You should be redirected to the project details webpage 3. You should see the following: <ol style="list-style-type: none"> a. Project title b. User that created the project (which is clickable) c. Creation date d. Start date e. Expected finish date f. Date that it finished g. List of project managers for the project h. Project status (which should be either "open", "in progress", "finished" or "failed to finish") i. Used & allocated budget j. Used & allocated time k. A button labelled "effort estimation" & another labelled "visualization" (which should be clickable) l. Description (after clicking the down-arrow button) m. Deliverables (after clicking the down-arrow button) n. List of milestones for the project, where each milestone shows an "ID", "title" & "status" (after clicking the down-arrow button) o. List of tasks belonging to the project, where each task shows an "ID", "priority", "title", "status" & it's "assignees" (after clicking the down-arrow button). The assignees should be clickable p. List of users working on the project, where each user shows a "username", "display name" & the number of man hours they have put into the project (after

	clicking the down-arrow button) q. List of comments, where each comment shows who published the comment, the date & time it was published, & the comment itself (after clicking the down-arrow button)
Result: PASS FAIL BLOCKED	Failure details:

ID: PRJ-2	Title: User can upload attachment	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: BOTH project & task details		
Steps to execute: <ol style="list-style-type: none"> 1. View a projects details 2. Scroll down to the section "DELIVERABLES" 3. Click/tap "Choose File" 4. Double-click (select) a file 5. Scroll down to the section "DELIVERABLES" 6. Under the title "TASKS", click/tap the down-arrow button 7. Click/tap a task's ID 8. Scroll down to the section "ATTACHMENTS" 9. Click/tap "Choose File" 10. Double-click (select) a file 11. Scroll down to the section "ATTACHMENTS" 	Expected results: <ol style="list-style-type: none"> 1. – 2. You should see a rectangle box, which contains a button labelled "Choose File" 3. A popup should appear, allowing you to select a file to upload 4. You should see a "loading" animation. You will then be redirected to the same page you were just on 5. You should see the file you just uploaded. Clicking it will show/download the file. 6. You should see a list of tasks 7. You should be redirected to the task details webpage 8. – 9. A popup should appear, allowing you to select a file to upload 10. You should see a "loading" animation. You will then be redirected to the same page you were just on 11. You should see the file you just uploaded. Clicking it will show/download the file. 	
Result: PASS FAIL BLOCKED	Failure details:	

ID: PRJ-3	Title: User can add comment	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: BOTH project & task		
Steps to execute: <ol style="list-style-type: none"> 1. View a projects details 2. Scroll down to the section "COMMENTS" 3. Click/tap the "new comment" button 	Expected results: <ol style="list-style-type: none"> 1. – 2. You should see a "new comment" button, to the right of the "COMMENTS" title 	

4. Click/tap the "red X" button 5. Click/tap the "new comment" button 6. Put some text into the textbox 7. Click/tap the "green tick" button 8. Click/tap the "refresh" button in the green success message at the top 9. View a tasks details 10. Repeat steps 2-8	3. A popup should appear, allowing you to add a comment 4. The popup should disappear 5. A popup should appear, allowing you to add a comment 6. – 7. The popup should disappear & you should see a success message at the top, saying that your comment has been published 8. You will be redirected to the same webpage & you should be able to see your new comment. Your comment should have your username, date & time that it was published, & the comment itself. 9. – 10. You will be redirected to the same webpage & you should be able to see your new comment. Your comment should have your username, date & time that it was published, & the comment itself.
Result: PASS FAIL BLOCKED	Failure details:

ID: PRJ-4	Title: Can assign milestones to a project	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: milestone details webpage		
Steps to execute: <ol style="list-style-type: none"> Go the project details webpage Click/tap the "edit" button in the header Scroll down to the section titled "Edit milestones" Put in a series of milestone IDs, separated by commas (e.g.: "1,2,3,4") Click/tap the "tick" button, then the "refresh" button in the success message, at the top Scroll down to the section titled "MILESTONES" Click/tap the down-arrow button 	Expected results: <ol style="list-style-type: none"> – A series of "edit panels" should be shown to you You should see a textbox under the title "Edit milestones" – You should see a success message at the top, saying your edits have been published. Clicking/tapping the "refresh" button will redirect you to the same webpage – You should see a list of milestones, which match the milestones you specified in step #4 	
Result: PASS FAIL BLOCKED	Failure details:	

Milestone details

ID: MLS-1	Title: User can view a milestones details	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project list webpage, milestone details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Navigate to the project list webpage 2. Click/tap a project's ID 3. Scroll down to the section "MILESTONES" & click/tap the down-arrow button 4. Click/tap a milestone's ID 		Expected results: <ol style="list-style-type: none"> 1. You should see a list of projects assigned to you 2. You should be redirected to the project details webpage, showing the details of the project you just selected 3. A list of milestones in the project will be shown. Each milestone should show "ID", "title" and "status" 4. You should see the following: <ol style="list-style-type: none"> a. Milestone title b. Creator c. Date that the milestone was created d. Start date e. Due date f. Finished date g. The project it belongs to h. List of project managers that are managing the milestone i. Status, which is either "open", "in progress", "finished" or "failed to finish"
Result: PASS FAIL BLOCKED		Failure details:

ID: MLS-2	Title: Can assign tasks to a milestone	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: milestone details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Navigate to the milestone details webpage 2. Click/tap the "edit" button in the header 3. Scroll down to the panel titled "Edit tasks in milestone" 4. Put in a series of task IDs, separated by a comma (e.g.: "1,2,3") 5. Click/tap the "tick" button, then the "refresh" button in the success message at the top 6. Scroll down to the section titled "TASKS ATTACHED TO MILESTONE" 7. Click/tap the down-arrow button 		Expected results: <ol style="list-style-type: none"> 1. – 2. A series of panels will be shown to you, allowing you to edit different pieces of information in the milestone 3. You should see a textbox under the title "Edit tasks in milestone" 4. – 5. You should see a success message at the top, saying that your edits have been published 6. – 7. You should see a list of tasks, which matches the tasks you specified in step

	#4
Result: PASS FAIL BLOCKED	Failure details:

Task details

ID: TSK-1	Title: Able to view a tasks details	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: task list webpage, task details webpage		
Steps to execute: <ol style="list-style-type: none"> Navigate to the task list webpage From the list of tasks, click a task's ID 		Expected results: <ol style="list-style-type: none"> You should see a list of tasks assigned to you You should be redirected to the task details webpage, which should show the following: <ol style="list-style-type: none"> Task title A "eye" button (for task watching functionality) Project title that it belongs to. This title should be clickable. List of users that the task is assigned to, which should be clickable Priority Status, which should be "trivial", "low", "high" or "critical" Used & allocated budget Used & allocated time Start date Due date Finish date A list of "flags" Description List of attachments, which should be clickable (after clicking/tapping the down-arrow button) List of comments, where each comment shows the user, date, time & the comment itself (after clicking/tapping the down-arrow button) List of sub tasks, where each subtask shows an "ID", "priority" (which should be "trivial", "low", "high" or "critical"), title, assignees and status (which should be "open", "in progress", "suspended" or "closed") The dependency chain, which shows the dependees & dependants of the task
Result: PASS FAIL BLOCKED		Failure details:

User details

ID: TSK-2	Title: User can view user details	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: user details webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Navigate to the task details webpage 2. Click/tap a task ID in the list 3. Click/tap an assignee 		Expected results: <ol style="list-style-type: none"> 1. You should see a list of tasks 2. You should be redirected to the task details webpage, which shows the details of the selected task 3. You should be redirected to the user details webpage, which should show the following: <ol style="list-style-type: none"> a. Display name b. Username c. Brief description on the user's expertise d. A series of projects that they belong to e. Their role f. The permissions that they have g. A list of past projects that they have worked on, which includes "ID", "project title", the project managers for the project, & the roles they served in that project
Result: PASS FAIL BLOCKED		Failure details:

Search

ID: SRCH-1	Title: User can search for projects with certain criterion	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: search webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Click/tap the "search" button in the header 2. Under the small title "for...", select an option from the drop-down list 3. Under the small title "by...", select an option from the drop-down list 4. Under the small title "where value equals...", put in a value such as a number 5. Click/tap "SEARCH" 6. Repeat steps 1-5 for all project criteria combinations 		Expected results: <ol style="list-style-type: none"> 1. You should be redirected to the search details webpage 2. – 3. – 4. – 5. A list of results should be shown. Projects should show "ID", "title", a series of project managers, & "status". 6. You should get the right results. Just as a random example, if you search users by a specific username, you should only get results where the username matches your query value.
Result: PASS FAIL BLOCKED		Failure details:

ID: SRCH-2	Title: User can search for milestones with certain criterion	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: search webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Click/tap the "search" button in the header 2. Under the small title "for...", select an option from the drop-down list 3. Under the small title "by...", select an option from the drop-down list 4. Under the small title "where value equals...", put in a value such as a number 5. Click/tap "SEARCH" 6. Repeat steps 1-5 for all milestone criteria combinations 		Expected results: <ol style="list-style-type: none"> 1. You should be redirected to the search details webpage 2. – 3. – 4. – 5. A list of results should be shown. Milestones should show "ID", "title" & "status". 6. You should get the right results. Just as a random example, if you search users by a specific username, you should only get results where the username matches your query value.
Result: PASS FAIL BLOCKED		Failure details:

ID: SRCH-3	Title: User can search for tasks with certain criterion	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: search webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Click/tap the "search" button in the 		Expected results: <ol style="list-style-type: none"> 1. You should be redirected to the search

header 2. Under the small title "for...", select an option from the drop-down list 3. Under the small title "by...", select an option from the drop-down list 4. Under the small title "where value equals...", put in a value such as a number 5. Click/tap "SEARCH" 6. Repeat steps 1-5 for all task criteria combinations	details webpage 2. – 3. – 4. – 5. A list of results should be shown. Tasks should show "ID", "title", "status" & a series of assignees. 6. You should get the right results. Just as a random example, if you search users by a specific username, you should only get results where the username matches your query value.
Result: PASS FAIL BLOCKED	Failure details:

ID: SRCH-4	Title: User can search for users with certain criterion	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: search webpage		
Steps to execute: 1. Click/tap the "search" button in the header 2. Under the small title "for...", select an option from the drop-down list 3. Under the small title "by...", select an option from the drop-down list 4. Under the small title "where value equals...", put in a value such as a number 5. Click/tap "SEARCH" 6. Repeat steps 1-5 for all user criteria combinations	Expected results: 1. You should be redirected to the search details webpage 2. – 3. – 4. – 5. A list of results should be shown. Users should show "display name" & the total hours they have worked (across all projects). 6. You should get the right results. Just as a random example, if you search users by a specific username, you should only get results where the username matches your query value.	
Result: PASS FAIL BLOCKED	Failure details:	

Project visualization

ID: PRJ-VIS-1	Title: Can view Gantt chart	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Project schedule (i.e.: Gantt chart), project visualization webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Visit the project details webpage 2. Click/tap the button labelled "VIEW VISUALIZATION" 		Expected results: <ol style="list-style-type: none"> 1. – 2. You should see the project's schedule, where it shows each milestone & the tasks it encapsulates.
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-VIS-2	Title: Can view PERT analysis	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: activity precedence network, AON (Activity On Node) network, project visualization webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Look at the project visualization webpage you are already on (you may need to scroll down, if there is a lot of milestones & tasks in your selected project) 		Expected results: <ol style="list-style-type: none"> 1. A PERT table is shown (for all the tasks)
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-VIS-3	Title: Can view activity precedence network and "activity on node" network	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: PERT diagram, project visualization webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Look at the project visualization webpage you are already on (you may need to scroll down, if there is a lot of milestones & tasks in your selected project) 		Expected results: <ol style="list-style-type: none"> 1. The PERT diagram is shown (which is an activity precedence network in itself). <p>Each node in the diagram displays the tasks "title", "earliest start", "duration", "earliest finish", "latest start", "float", & "latest finish".</p>
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-VIS-4	Title: "Activity on node" network shows critical path.	Test importance: Critical
---------------	--	---------------------------

	Critical chain principles are displayed in & below the diagram.	
Assigned to: Hans Maritz, Biao Zhang		
Scope: Critical path/chain, project visualization webpage		
Steps to execute: <ol style="list-style-type: none"> Look at the project visualization webpage you are already on (you may need to scroll down, if there is a lot of milestones & tasks in your selected project) 	Expected results: <ol style="list-style-type: none"> The critical path in the PERT diagram should be coloured in red. <p>Additionally, there is also critical chain principles analysis available, which shows buffers & the size of the buffers</p>	
Result: PASS FAIL BLOCKED	Failure details:	

ID: PRJ-VIS-5	Title: "Activity on node" network shows buffers	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: project buffers, feeding buffers, safety buffer, project visualization webpage		
Steps to execute: <ol style="list-style-type: none"> Look at the project visualization webpage you are already on (you may need to scroll down, if there is a lot of milestones & tasks in your selected project) 	Expected results: <ol style="list-style-type: none"> You can see project buffers, feeding buffers & safety buffers on the diagram 	
Result: PASS FAIL BLOCKED	Failure details:	

Project effort estimation

ID: PRJ-EFF-1	Title: Can calculate & view COCOMO1 analysis	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: COCOMO1, project effort estimation webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Navigate to the project details webpage 2. Click/tap the "VIEW EFFORT ESTIMATION" button 3. Click/tap the "PROVIDE INFORMATION" button ABOVE the title "COCOMO2 Analysis" 4. Do NOT fill in any fields 5. Scroll down & click/tap the button labelled "CALCULATE" 6. Scroll to the very top of the webpage 7. Fill in ALL the fields. 8. Add in some components under the title "What is the technical scope of your solution?" 9. Click/tap the button labelled "CALCULATE" 		Expected results: <ol style="list-style-type: none"> 1. – 2. You should see a title "High-level effort estimation" 3. A questionnaire will show 4. – 5. You should see an error message at the top of your screen, saying "Please answer all COCOMO1 questionnaire questions." 6. – 7. – 8. – 9. The questionnaire will disappear, & you will see the project's COCOMO1 results. These results include the project type, how many lines of code is needed, the amount of man hours needed, how many months the project will take, & how many employees are needed.
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-EFF-2	Title: Can calculate & view COCOMO2 analysis	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: COCOMO2, project effort estimation webpage		
Steps to execute: <ol style="list-style-type: none"> 1. Under the title "COCOMO2 Analysis", click/tap the button labelled "PROVIDE INFORMATION" 2. Fill in the last input field ("What's the estimated thousands of lines of code?") 3. Click/tap the button labelled "CALCULATE" 		Expected results: <ol style="list-style-type: none"> 1. A questionnaire will appear 2. – 3. The COCOMO2 result will be shown, which is the estimated person months to complete the project
Result: PASS FAIL BLOCKED		Failure details:

ID: PRJ-EFF-3	Title: Can view function point analysis in a breakdown format	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: function point calculations, project effort estimation webpage		
Steps to execute:		Expected results:

<ol style="list-style-type: none"> 1. Ensure you have completed the COCOMO2 questionnaire 2. Click/tap the button labelled "ESTIMATE" 	<ol style="list-style-type: none"> 1. – 2. You will see the function points for the entire project, each milestone, & the function points for each task in each milestone.
Result: PASS FAIL BLOCKED	Failure details:

Editing

ID: EDT-1	Title: Users can edit project	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Projects details webpage, "edit" button in the header		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the project details webpage 3. Press the "edit" button in the header 4. Enter a new value for an item (& note these values down on paper/notepad), then publish your edits by tapping/clicking the "tick" button 5. Tap/Click the "refresh" button in the green success message 6. Repeat steps 3-5 for all editable items 		Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of panes will show, which allow you to edit a project 4. You will receive a success message 5. You will be redirected to the same page & you can see your edits 6. You will be redirected to the same page & you can see your edits
Result: PASS FAIL BLOCKED		Failure details:

ID: EDT-2	Title: Users can edit milestone	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Milestone details webpage, "edit" button in the header		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the milestone details webpage 3. Press the "edit" button in the header 4. Enter a new value for an item (& note these values down on paper/notepad), then publish your edits by tapping/clicking the "tick" button 5. Tap/Click the "refresh" button in the green success message 6. Repeat steps 3-5 for all editable items 		Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of panes will show, which allow you to edit a project 4. You will receive a success message 5. You will be redirected to the same page & you can see your edits 6. You will be redirected to the same page & you can see your edits
Result: PASS FAIL BLOCKED		Failure details:

ID: EDT-3	Title: Users can edit task	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: Task details webpage, "edit" button in the header		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 		Expected results: <ol style="list-style-type: none"> 1. – 2. –

<ol style="list-style-type: none"> 2. Ensure you are at the task details webpage 3. Press the "edit" button in the header 4. Enter a new value for an item (& note these values down on paper/notepad), then publish your edits by tapping/clicking the "tick" button 5. Tap/Click the "refresh" button in the green success message 6. Repeat steps 3-5 for all editable items 	<ol style="list-style-type: none"> 3. A series of panes will show, which allow you to edit a project 4. You will receive a success message 5. You will be redirected to the same page & you can see your edits 6. You will be redirected to the same page & you can see your edits
Result: PASS FAIL BLOCKED	Failure details:

ID: EDT-4	Title: Can edit a user	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: User details webpage, "edit" button in the header		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure are logged in as a "project manager" user 2. Ensure you are at the user details webpage 3. Press the "edit" button in the header 4. Enter a new value for an item (& note these values down on paper/notepad), then publish your edits by tapping/clicking the "tick" button 5. Tap/Click the "refresh" button in the green success message 6. Repeat steps 3-5 for all editable items 	Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of panes will show, which allow you to edit a user 4. You will receive a success message 5. You will be redirected to the same page & you can see your edits 6. You will be redirected to the same page & you can see your edits 	
Result: PASS FAIL BLOCKED	Failure details:	

ID: EDT-5	Title: Editing as a project manager does not require an approval request	Test importance: High
Assigned to: Hans Maritz, Biao Zhang		
Scope: permissions, notifications system, editing		
Steps to execute: <ol style="list-style-type: none"> 1. Ensure you are logged into a user, which has the role "project manager" 2. Navigate to the project details webpage 3. Tap/Click the "edit" button in the header 4. Fill in a new value for a piece of information (e.g.: title) 5. Tap/Click the "tick" button, then the "refresh" button in the success message at the top 	Expected results: <ol style="list-style-type: none"> 1. – 2. – 3. A series of panels will show, allowing you to edit the item's information 4. – 5. You will see a success message at the top, saying your edits have been published. Click/tapping the "refresh" button will redirect you to the same page. <p>You should see your edits published.</p>	

Result:	PASS	FAIL	BLOCKED	Failure details:
---------	------	------	---------	------------------

Logout

ID: LGO-1	Title: Logging out of system	Test importance: Critical
Assigned to: Hans Maritz, Biao Zhang		
Scope: user accounts, "logout" button in the header		
Steps to execute: <ol style="list-style-type: none"> 1. Click/tap the "logout" button in the header 2. Put the following URL into your browser's address bar: "http://vitawebsitedesign.com.au/csci311_v2/ef fort-estimation.php?id=1" 		Expected results: <ol style="list-style-type: none"> 1. You should be redirected to the login webpage. By this point, server-side information has been cleared so that the user is "marked" as not being logged in. 2. You should be redirected to the login webpage.
Result: PASS FAIL BLOCKED		Failure details:

END OF "DIRECT." SAT A1 TEST PLAN

PLEASE REPORT YOUR RESULTS TO MICHAEL NGUYEN