

Testing Document

COMP90082 2021 SM1 Software Project

Team 3 - Rectify

Revision History

Date	Version	Description	Author
30/04/2021	1.2	Update format and 2.0-Covered_Requirement content	Yuwei Tsai
28/04/2021	1.1	Adjust format for document	Jin Kai Teh
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Introduction

This document specifies the COMP90082 project system testing data, used to test the functionality implementation.

1.1 Proposal

The purpose of this document is to define and present the test cases for the Rocky Valley eCommerce Web Application project. These test cases cover user stories implemented by Team Rectify only.

Framework we are using is the V-model.

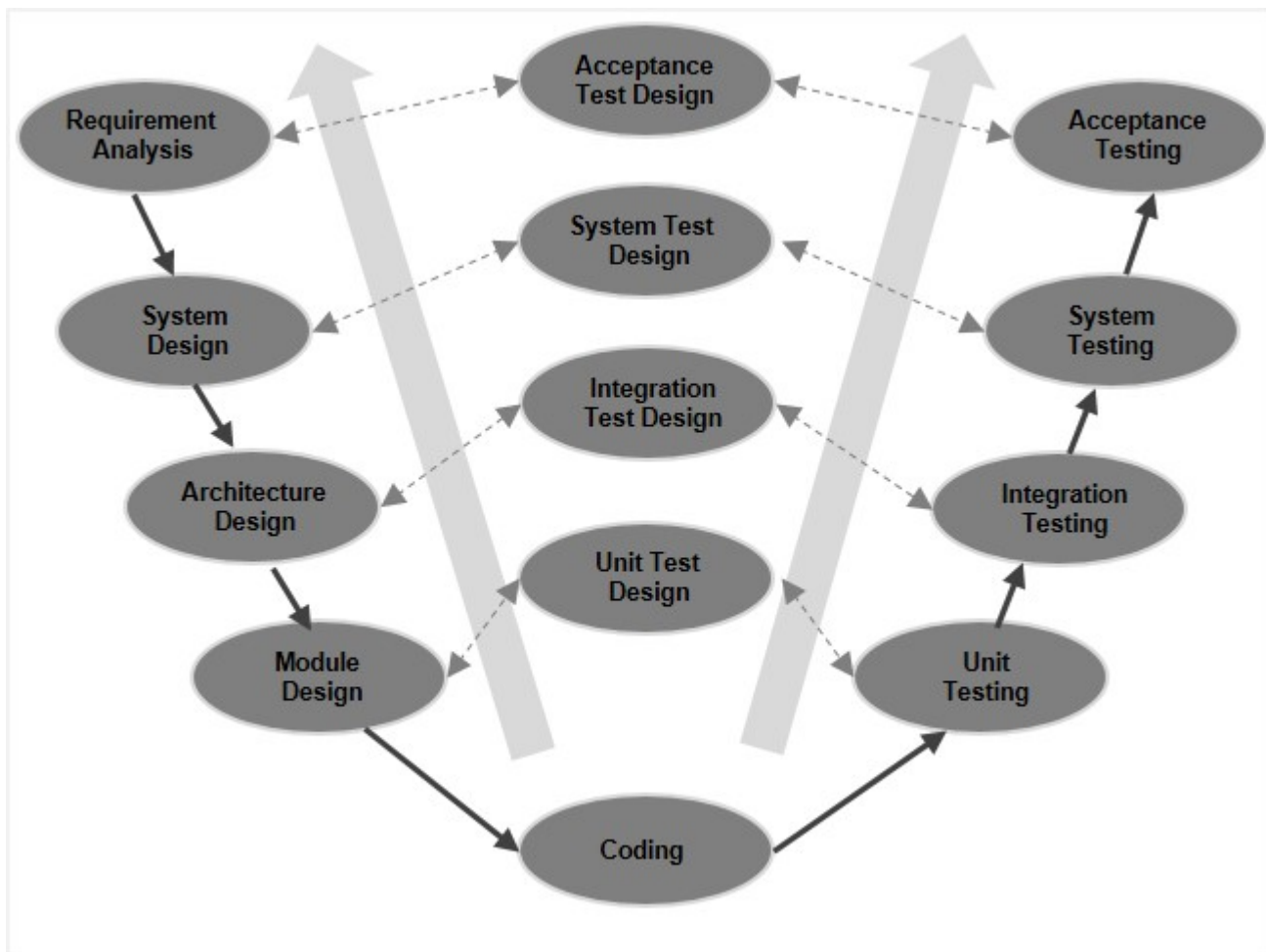


Image source: https://www.tutorialspoint.com/sdlc/sdlc_v_model.htm

1.2 Target users

Intended audiences of this document include members of TO - Team Rectify, COMP90082 teaching team, Squizz client and any other developers that intend to extend the functionality of this project.

1.3 Conventions, terms and abbreviations

This section explains the concept of important terms used throughout the document. These terms are described in the following table, in alphabetical order.

Term	Description
Unit test	Test functions
Integration test	Test integration <ul style="list-style-type: none">• between the frontend app and the backend app• between the local and the cloud environment
User acceptance test	Sit with potential users to test the usability of the new functionalities
UC	Use case

Covered Requirements

This section lists the system requirements covered by the test cases.

2.1 Functional requirements summary

Use case [UC]ID	Use case title	Test case [TC]ID	Test case title	
UC01	User logs in	TC01	Customer is able to log in	
		TC02	Staff is able to log in	
UC02	Equipment Packages display(during the hiring process)	TC03	Customers are able to view and select the equipment package.(in stock available)	
		TC04	Customers are able to view the category of which the equipment package belongs to.	
		TC05	Customers are able to view and select the “extra” table within the same page that is able to hire.	
		TC06	Customers are able to view and select the “trail_type” field within the same page that is able to select.	
		TC07	Customers are unable to view and select the equipment package.(out of stock)	
		TC08	Staff is able to view the fully functional equipment package page.	
		TC09	Staff is able to add a new package class from UI	There’s a “age_group” selection field within the add package option
				There’s a “skill_level” field within the add package option
				There’s a “category” field within the add package option
		TC10	Staff is able to delete a package class from UI.	
		TC11	Staff is able to update a package content from UI.	
UC03	Calendar display	TC12	Customers are able to view the stock status of their selected-specific packages on the calendar	
		TC13	Staff are able to view the stock status of all the equipment and packages availability on the calendar.	

2.2 User authentication functional test cases

2.2.1 UC01: User login

TC01: Customer is able to log in

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes: <ol style="list-style-type: none">1. User clicks on packages tab2. A list of packages shown on webpage	
Test Result: <ul style="list-style-type: none">• A list of packages shown on webpage	

Screenshot:

TC02: Staff is able to log in

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes:	

3. User clicks on packages tab 4. A list of packages shown on webpage
Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage

Screenshot:

2.3 Staff and Customer functional test cases

2.3.1 UC02: *Equipment Packages display(during the hiring process)*

TC03: Customers are able to view and select the equipment package.(in stock available)

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum 	
Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage 	
Notes: <ol style="list-style-type: none"> User clicks on packages tab A list of packages shown on webpage 	
Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage 	

Screenshot:

TC04: Customers are able to view the category of which the equipment package belongs to.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes: 7. User clicks on packages tab 8. A list of packages shown on webpage	
Test Result: <ul style="list-style-type: none">• A list of packages shown on webpage	

Screenshot:

TC05: Customers are able to view and select the “extra” table within the same page that is able to hire.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes: 9. User clicks on packages tab 10. A list of packages shown on webpage	
Test Result:	

- A list of packages shown on webpage

Screenshot:

TC06: Customers are able to view and select the “trail_type” field within the same page that is able to select.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes: 11. User clicks on packages tab 12. A list of packages shown on webpage	
Test Result: <ul style="list-style-type: none">• A list of packages shown on webpage	

Screenshot:

TC07: Customers are unable to view and select the equipment package.(out of stock)

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	

Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage
Notes: <p>13. User clicks on packages tab</p> <p>14. A list of packages shown on webpage</p>
Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage

Screenshot:

TC08: Staff is able to view the fully functional equipment package page.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum 	
Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage 	
Notes: <p>15. User clicks on packages tab</p> <p>16. A list of packages shown on webpage</p>	
Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage 	

Screenshot:

TC09: Staff is able to add a new package class from UI.

Test type: Functional	Execution Type: Manual
Objective:	

<p> Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum </p>
<p> Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage </p>
<p> Notes: <ul style="list-style-type: none"> 17. User clicks on packages tab 18. A list of packages shown on webpage </p>
<p> Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage </p>

Screenshot:

TC010: Staff is able to delete a package class from UI.

<p> Test type: </p> <p>Functional</p>	<p> Execution Type: </p> <p>Manual</p>
<p> Objective: </p> <p>Lorem ipsum</p>	
<p> Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum </p>	
<p> Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage </p>	
<p> Notes: <ul style="list-style-type: none"> 19. User clicks on packages tab 20. A list of packages shown on webpage </p>	
<p> Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage </p>	

Screenshot:

TC11: Staff is able to update a package content from UI.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum 	
Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage 	
Notes: <ol style="list-style-type: none"> 21. User clicks on packages tab 22. A list of packages shown on webpage 	
Test Result: <ul style="list-style-type: none"> A list of packages shown on webpage 	

Screenshot:

2.3.2 UC03: Calendar display

TC12: Customers are able to view the stock status of their selected-specific packages on the calendar .

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none"> Website opened and user logged in Navigate to packages page Lorem Ipsum 	
Expected Outcome: <ul style="list-style-type: none"> A list of packages shown on webpage 	
Notes: <ol style="list-style-type: none"> 23. User clicks on packages tab 24. A list of packages shown on webpage 	

Test Result:

- A list of packages shown on webpage

Screenshot:

TC13: Staff are able to view the stock status of all the equipment and packages availability on the calendar.

Test type: Functional	Execution Type: Manual
Objective: Lorem ipsum	
Setup: <ul style="list-style-type: none">• Website opened and user logged in• Navigate to packages page• Lorem Ipsum	
Expected Outcome: <ul style="list-style-type: none">• A list of packages shown on webpage	
Notes: 25. User clicks on packages tab 26. A list of packages shown on webpage	
Test Result: <ul style="list-style-type: none">• A list of packages shown on webpage	

Screenshot:

2.4 User Acceptance Test

2.4.1 Low fidelity prototype and workflow

TC14: Developers and potential end users are able to understand how the new system will work

Test type: Functional	Execution Type: Manual
Objective: To test the flow of the conversation, the layout of the elements, or the terminology and ensure the workflow is	

reasonable without critical mistakes.

Setup:

- A developer draws the workflow on paper
- A facilitator presents it to other possible end users
- Observers see how the end users interpret the workflow and record the results for follow up discussions and improvements

Expected Outcome:

- A list of feedback for improving the initial workflow and get it ready to draw the high fidelity version with more details

Notes:

- Visit [this page](#) to understand how a low-fi prototype should be tested
- One student took the role as the facilitator and the facilitator
- Other students took the role as the observer
- Students within our team and from other teams who did not work on the prototype took the role as the end users

Test Result:

- A list of questions to the client for clarifying some of the details that were ambiguous
- A list of feedback to take care of in the high fidelity design

Screenshot:

2.4.2 High fidelity prototype and workflow

TC15: Developers and potential end users are able to visualize and experience how the new system would work

Test type: Functional	Execution Type: Manual
Objective: To examine usability questions in detail and make conclusions about the user behaviour.	
Setup: <ul style="list-style-type: none">• Developers clarify requirements with the client, including but not limited to design style, layout, data, business, and technical requirements• A facilitator presents it to other possible end users• Observers see how the end users interpret the workflow and record the results for follow up discussions and improvements	
Expected Outcome: <ul style="list-style-type: none">• A list of feedback for improving the initial workflow and get it ready to draw the high fidelity version with more details	
Notes: <ul style="list-style-type: none">• Visit this page to understand how a high-fi prototype should be tested	

- One student took the role as the facilitator and the facilitator
- Other students took the role as the observer
- Students within our team and from other teams who did not work on the prototype took the role as the end users

Test Result:

- Feedback from developers to make the final design compatible among teams
- Allow developers to visualize the design and workflows according to the prototype

Screenshot:

2.4.3 Final product demo

Test data

This section describes the data used in test cases

4.1 Login credential

Description: Login details required to access the website	
Field	Value
Username	user1
Password	squizz

4.2 Pricing model data

Source file name: CSV Filemaker Pricing.csv

Category	Sell Code	Description	day 1	day 2	day 3	day 4	day 5	day 6	day 7	day 8	Day 9
DH Beg	0	DH Budget skis, boots, poles	50	85	100	115	125	130	135	140	145
DH Int	DI	DH Inter skis, boots, poles	70	110	130	140	150	160	165	170	175
DH Per	DP	DH Perf skis, boots, poles	85	130	150	165	170	180	190	200	210
DH U14	DK	DH U15 skis, boots, poles	40	68	80	92	100	104	108	112	116
DH U6	DPS	DH U5 skis, boots, poles	25	42	50	58	63	65	68	73	
XC Cla	X	XC Classic Ski, Boots, poles	50	85	100	115	125	130	135	140	145
SB Perf	SP	SB Perf board and Boots	85	130	150	165	170	180	190	200	
XC Ska	XS	XC Skate, skis, boots, poles	60	100	120	130	140	160	165	170	
XC U14	XK	XC U15, skis, boots, poles	40	68	80	92	100	104	108	113	
XC U6	XCP	XC U5, skis boots, poles	25	42	50	58	63	65	68	73	
SB Beg	SB	SB & Boots - Budget	50	85	100	115	125	130	135	140	145
SB Only	SBO	Snowboard Only	40	75	90	105	115	120	125	130	
Per brd	SIO	Snowboard only - Inter	60	100	120	130	140	150	155	160	
SB U14	SK	SB and Boots U15	40	68	80	92	100	104	108	112	116
BC Bud	B	BC Budget Skis, boots, poles	50	85	100	115	125	130	135	140	145
BC Per	BP	BC Perf, skis, boots, poles	85	130	150	165	170	180	190	200	210
Tele	TeleP	Telemark skis, boots, poles	85	130	150	165	170	180	190	200	210
Yowies	Y	Yowies/snowshoes	25	35	45	50	55	60	66	70	73
Boots	boot	Ski/SB or BC boots only	20	35	45	50	55	60	65	70	
Beg ski	ski	DH skis/poles no boots	40	75	90	105	115	120	125	130	135

P or P	P	Pants Adult	20	30	35	40	45	50	55	60	
P&P	PP	Pants and Parka Adult	30	40	45	50	55	60	65	70	
P&PK	PPK	Pants and Parka/suit U6	18	23	27	31	35	39	43	46	
PorPK	PK	Pants or Parka U6	14	19	23	27	31	35	39	42	
PorPY	PY	Pants or Parka U14	18	23	27	31	35	39	43	46	
P&PY	PPY	Pants and Parka U14	24	34	39	44	49	53	57	60	
Apres	A	Apres Boots Adults	10	15	20	25	30	35	35	35	
ApresK	AK	Apres Boots U14	8	12	15	17	19	21	23	25	27
Helmet	H	Helmet	10	15	20	23	26	29	31	33	35
Helm U14	HK	Helmet kids	0	0	0	0	0	0	0	0	0
Wrist G	WG	Wrist Guard	5	10	12	14	16	18	20	22	24
Goggle	G	Goggles	10	15	20	23	26	29	31	33	35
Poles	Poles	Poles Only	5	10	15	20	25	30	35	40	
Helm/gogg	HG	Helmet & Goggles	15	25	35	40	44	48	50	52	
Helm/WG	HWG	Helmet & WG	15	25	32	37	42	47	51	53	
Diamond	CD	Diamond Chain Hire	20	35	45	55	60	65	70	75	80
Ladder	LC	Ladder Chain Hire	15	25	35	45	50	55	55	57	
Toboggan	TS	Toboggan	10	15	20	23	26	29	31	33	
Tob Carve	TC	Toboggan Carve	20	30	40	46	52	58	62	64	
Garmon	BPB	Backcountry Garment/Scarpa Boot	35	55	70	80	90	100	110	120	
ski u14	SKIK	Ski only under 15	32	60	72	84	92	96	100	104	
ski u6	SKIPS	Ski Only under 6	20	37	45	52	57	60	63	66	
Bootu14	BK	Boot only Under 14	15	25	30	35	40	45	50		
Boot u6	BPS	Boot only Under 6	10	15	20	25	30	35	40		
Per ski	PSKI	Performance ski only	60	100	120	135	145	155	165	175	185
Int ski	ISKI	Intermediiate ski only	60	100	120	135	145	155	165	175	185
Int Boot	IB	Intermediate Boot only	30	40	50	55	60	65	70	75	80
SB Inter	SI	SB & Boots Intern	70	110	130	140	150	160	165	170	175
Pants	P	Pants Adults	20	30	35	40	45	50	55	60	
Jacket	J	Jacket Adults	20	30	35	40	45	50	55	60	
P & J	PP	Pants & Jacket Adults	30	40	45	50	55	60	65	70	
Pants U6	PK	Pants U6	14	19	23	27	31	35	39	42	
Jacket U6	JK	Jacket U6	14	19	23	27	31	35	39	42	
P&J U6	PPK	Pants & Jacket U6/Suit	18	23	27	31	35	39	43	46	
Pants U15	PY	Pants U15	18	23	27	31	35	39	43	46	
Jacket U15	JY	Jacket U15	18	23	27	31	35	39	43	46	

P&J U15	PPY	Pants & Jacket U15	24	34	39	44	49	53	57	60	
Per Boot	PB	Performance Boot Only	35	55	70	80	90	100	110	120	
NNNBC	B	Backcountry NNNBC	50	85	100	115	125	130	135	140	

4.3 Category list

Traceability Matrix

	Reqs tested	UC01	UC02
Test Cases	3	1	2
TC01	1		
TC02	1		
TC03	1		