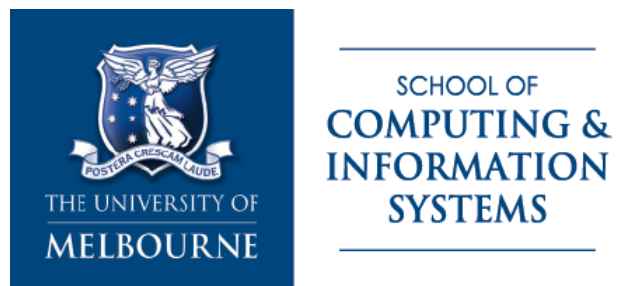


Testing Document

COMP90082 2021 SM1 Software Project Team 2 – Pentagon

PROJECT TITLE:	Retail / Hire Web Application
DIVISION:	Community Development
BASE SYSTEM:	Open-Source eCommerce Platform
REPORTING TO:	Head of Community Development

Members: *Channing Sun, Decheng Wang, Mingda Dong, Xiande Wen, Yueru Cheng*



1. Introduction

1.1. proposal

The purpose of this document is to define and introduce test cases for embedding the Rocky Valley ski rental project in a web application. The test cases only cover the user cases of the package display and hiring process.

1.2. Target users

The intended readers of this document are Team Pentagon, the teaching team and customers of the COMP90082 software project. Future users may include customers and staffs who use the system.

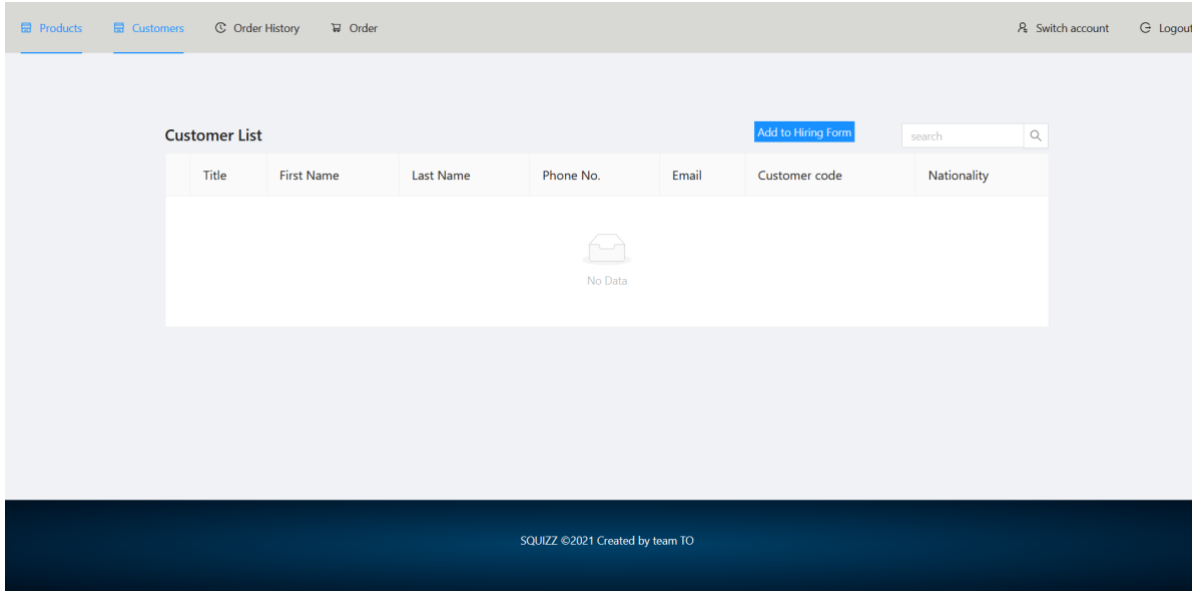
2. Functional requirements summary

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

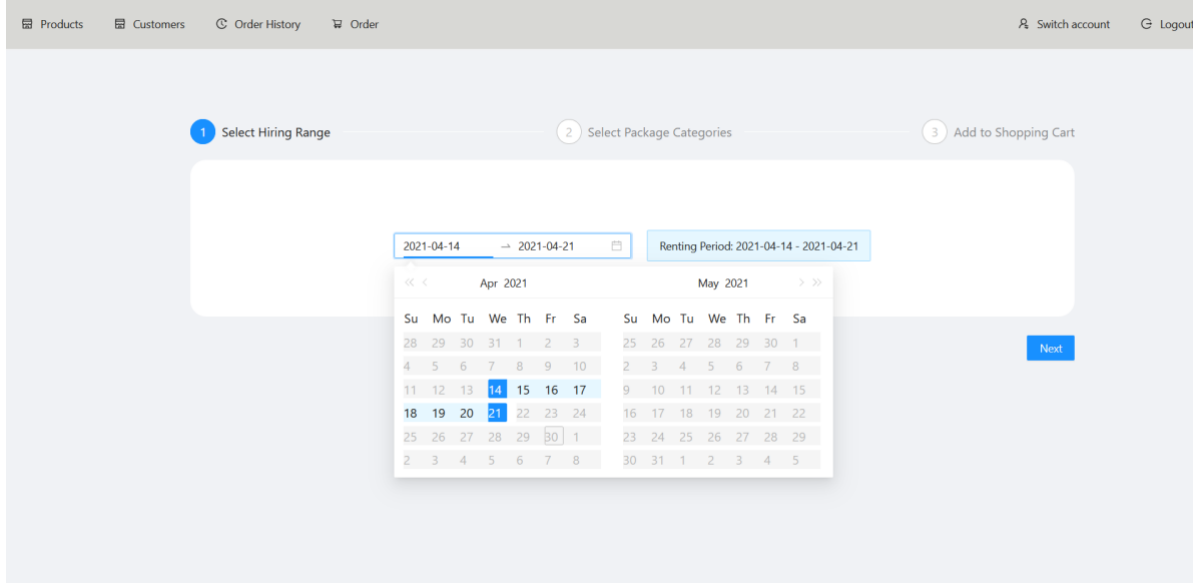
User story ID	User story summary	Test case ID	Test case	Test type
2.1	Customer list	T01	Display a list of customers via searching.	Manual
2.4-2.6	Hiring process	T02	Choose start and end date	Manual
		T03	Select one or more packages.	Manual
		T04	Get all categories.	Manual
		T05	Get a list of packages containing prices for a specified number of days	Manual
2.4	Package Display	T06	Get all packages	Automatic
			Get all categories.	Automatic
			Get a list of packages containing prices for a specified number of days	Automatic

3. Test Cases Report

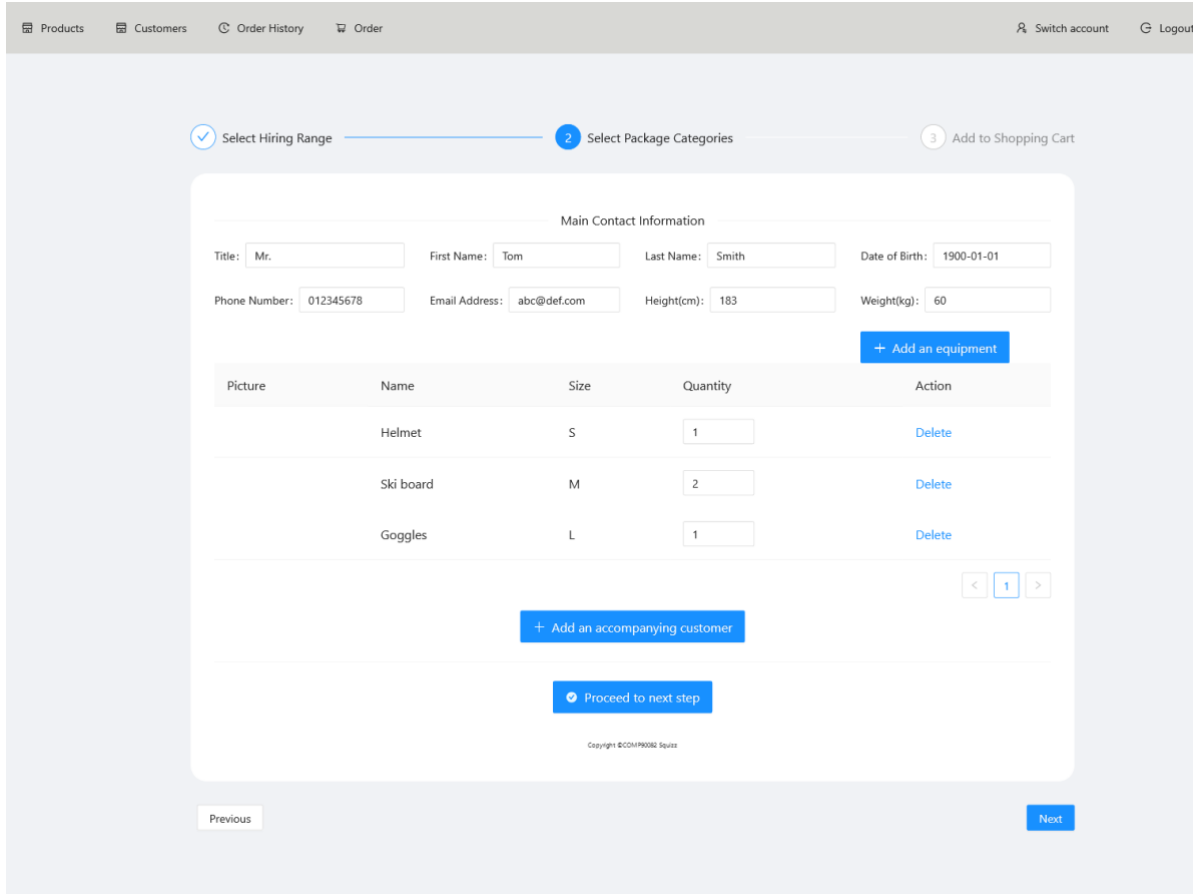
T01

Test Type: Functional	Execution Type: Manual
Objective: Display a list of customers via searching.	
Setup: 1. Enter a random customer name. 2. Click to find (magnifying glass) 3. The list of matching users is displayed	
Expected Outcome: The user list will be displayed. If the list is very long, it will be displayed in pages.	
Screenshot: 	

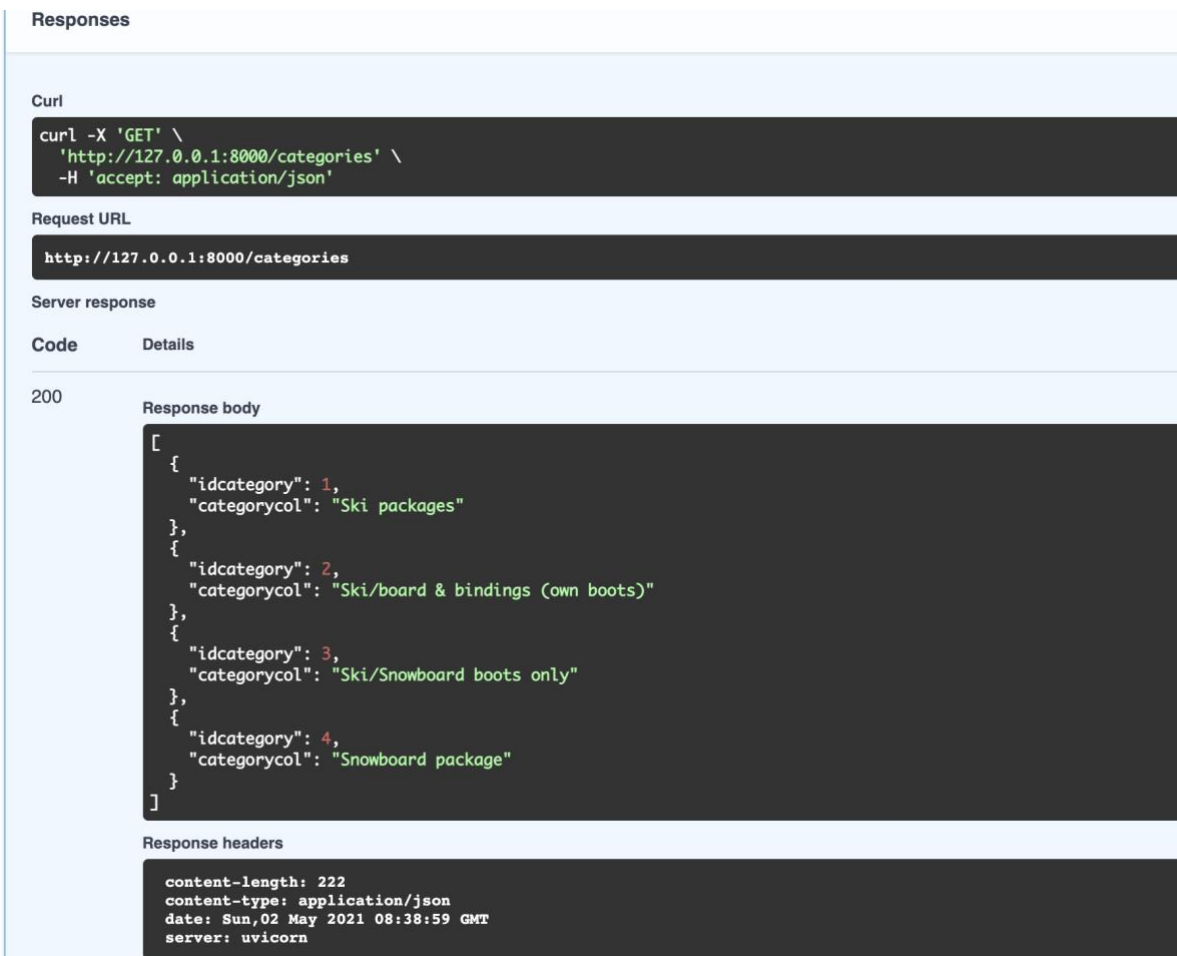
T02

Test Type: Functional	Execution Type: Manual
Objective: Choose start and end date	
Setup: 1. Click on the previous calendar. Choose a start date. 2. Click the next calendar. Choose an end date.	
Expected Outcome: The start and end dates are selected. The duration is calculated.	
Screenshot: 	

T03

Test Type: Functional	Execution Type: Manual
Objective: Select one or more packages.	
Setup: Different package types are displayed. Select one or more packages.	
Expected Outcome: Packages can be added to the shopping cart. Packages in the shopping cart can be deleted.	
Screenshot: 	

T04

Test Type:	Execution Type:
Functional	Manual
Objective:	
Get all categories.	
Setup:	
http://127.0.0.1:8000/categories	
Expected Outcome:	
[{"idcategory":1,"categorycol":"Ski packages"}, {"idcategory":2,"categorycol":"Ski/board & bindings (own boots)"}, {"idcategory":3,"categorycol":"Ski/Snowboard boots only"}, {"idcategory":4,"categorycol":"Snowboard package"}]	
Screenshot:	
	

T05

Test Type: Functional	Execution Type: Manual
Objective: Get a list of packages containing prices for a specified number of days	
Setup: http://127.0.0.1:8000/categories?days=5&category_id=4	
Expected Outcome: <pre>[{ "idpackage": 16, "idcategory": 4, "idskilllevel": 1, "idagegroup": 3, "packagename": "Beginner Package - Adult", "description": "description16", "sellcode": "sellcode16", "price": 92 }, { "idpackage": 17, "idcategory": 4, "idskilllevel": 1, "idagegroup": 2, "packagename": "Beginner Child 6-14yrs", "description": "description17", "sellcode": "sellcode17", "price": 90 }]</pre>	
Screenshot:	

Responses

Curl

```
curl -X 'POST' \  
  'http://127.0.0.1:8000/categories?days=5&category_id=4' \  
  -H 'accept: application/json' \  
  -d ''
```

Request URL

```
http://127.0.0.1:8000/categories?days=5&category_id=4
```

Server response

Code	Details
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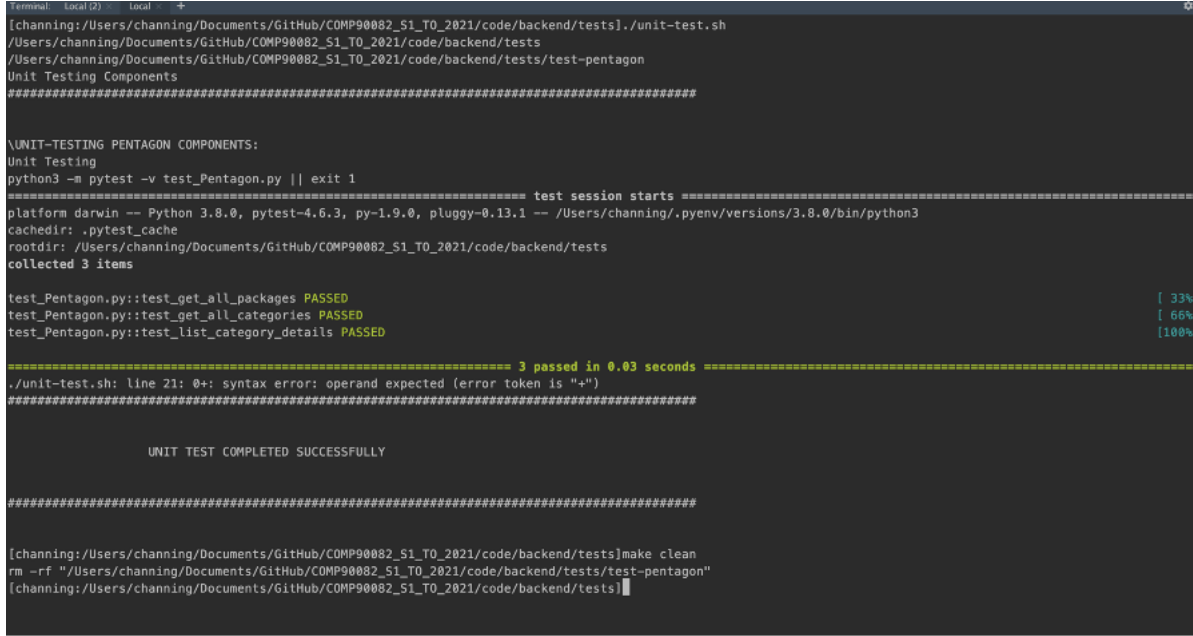
200	
-----	--

Response body

```
[  
  {  
    "idpackage": 16,  
    "idcategory": 4,  
    "idskilllevel": 1,  
    "idagegroup": 3,  
    "packagename": "Beginner Package - Adult",  
    "description": "description16",  
    "sellcode": "sellcode16",  
    "price": 92  
  },  
  {  
    "idpackage": 17,  
    "idcategory": 4,  
    "idskilllevel": 1,  
    "idagegroup": 2,  
    "packagename": "Beginner Child 6-14yrs",  
    "description": "description17",  
    "sellcode": "sellcode17",  
    "price": 90  
  }  
]
```

Response headers

T06 Unit test

Test Type: Functional	Execution Type: Automatic
Objective: Get all packages Get all categories. Get a list of packages containing prices for a specified number of days.	
Setup: https://github.com/ndhngoc91/COMP90082_S1_TO_2021/tree/develop-2-test/test run unit test by ./unit_test.sh	
Expected Outcome: Pass	
Screenshot:  The screenshot shows a terminal window with the following content: <pre>[channing:~/Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests]\$./unit-test.sh /Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests /Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests/test-pentagon Unit Testing Components ===== \UNIT-TESTING PENTAGON COMPONENTS: Unit Testing python3 -m pytest -v test_Pentagon.py exit 1 ===== test session starts ===== platform darwin -- Python 3.8.0, pytest-4.6.3, py-1.9.0, pluggy-0.13.1 -- /Users/channing/.pyenv/versions/3.8.0/bin/python3 cachedir: .pytest_cache rootdir: /Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests collected 3 items test_Pentagon.py::test_get_all_packages PASSED [33% test_Pentagon.py::test_get_all_categories PASSED [66% test_Pentagon.py::test_list_category_details PASSED [100% ===== 3 passed in 0.03 seconds ===== ./unit-test.sh: line 21: 0+: syntax error: operand expected (error token is "+") ===== UNIT TEST COMPLETED SUCCESSFULLY ===== [channing:~/Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests]\$ make clean rm -rf "/Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests/test-pentagon" [channing:~/Users/channing/Documents/GitHub/COMP90082_S1_TO_2021/code/backend/tests]\$</pre>	