

Backend test cases

Test Case	Test Input	Expected Result	Test Result	Pass/Fail
Create User Account	{ 'username': 'test_user', 'first_name': 'test', 'last_name': 'user', 'mobile_number': '+6512345678', 'email': 'test_user@email.com', 'password1': 'password1', 'password2': 'password1', }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Create User Account with duplicate details	{ 'username': 'test_user', 'first_name': 'test', 'last_name': 'user', 'mobile_number': '+6512345678', 'email': 'test_user@email.com', 'password1': 'password1', 'password2': 'password1', }	Code: 400 Status: Error	Code: 400 Status: Error	PASS
Login with valid credentials	{ 'username': 'test_user', 'password': 'password1' }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Login with invalid credentials	{ 'username': 'admins', 'password': 'password122' }	Code: 400 Status: Error	Code: 400 Status: Error	PASS
Distance from study area	{ 'lat': study_area.lat, 'lng': study_area.lng }	Code: 200 Distance: 0.0	Code: 200 Distance: 0.0	PASS
Create study area booking	{ 'date': datetime.date(2024, 4, 7), 'start_time': datetime.time(12,0,0), 'end_time': datetime.time(13,0,0), 'study_area': 1, 'user': user_data }	Code: 201 Status: Success	Code: 201 Status: Success	PASS

Create invalid study area booking	{ 'date' : datetime.date(2024, 4, 7), 'start_time' : datetime.time(5,0,0), 'end_time' : datetime.time(6,0,0), 'study_area' : 1, 'user' : user_data }	Code: 400 Status: Success	Code: 400 Status: Success	PASS
View study area booking	{ 'pk' : 1 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Delete study area booking	{ 'pk' : 1 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Insert products to cart	{ 'product' : 1, 'quantity' : 1 } { 'product' : 2, 'quantity' : 3 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Insert invalid product to cart	{ 'product' : 3, 'quantity' : 2 }	Code: 400 Status: Error	Code: 400 Status: Error	PASS
Update product in cart	{ 'product' : 2, 'quantity' : 1 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Delete product from cart	{ 'product' : 1, 'quantity' : 0 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS
Checkout from cart	{ 'address' : '66 Nanyang Crescent', 'postal_code' : 636960 }	Code: 200 Status: Success	Code: 200 Status: Success	PASS