Backend test cases

1. User Registration

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

2. User Login

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

3. Study Areas

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**

4. Store and Cart

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	{ 'product' : 2,	Code: 200 Status: Success	Code: 200 Status: Success	**PASS**

cart	'quantity' : 1 }			

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

5. BuddyAI

Ask BuddyAI while logged in	{
	    'question' : 'what is 1 + 1?'
	}
		Code: 200
		Status: Success
			Code: 200
			Status: Success
				PASS

Ask BuddyAI while logged out	{
	    'question' : 'what is 1 + 1?'
	}
		Code: 401
		Status: Error
			Code: 401
			Status: Error
				PASS