

TravelSale Web Application

1. Tool Versions

Python 3.9 and Django 3.2.

2. Application Description

The TravelSale website is a full-featured Web-based demonstration application providing travel services. Customers with all kinds of demands can view and reserve the best travel deals on vacation packages.

Regular users can take a basic view of all travel categories, products, transactions, customers, and human resources in TravelSale.

Administrative users can view and manage all the information above. There are three types of administrative users with different permissions. The first one can only manage data relevant to customers and transactions. The second one can manage all except the pay methods. The third one has the highest permission and can manage all and administrations.

3. Authentication and Permissions Scheme

Regular users are in the ci_user group;

The first type of administrative users are in the ci_consultant group;

The second type of administrative users are in the ci_manager group;

The third type of administrative users are in the SuperUser group.

Permission/Group	ci_user	ci_consultant	ci_manager	SuperUser
Paymethod				
View	X	X	X	X
Add				X
Change				X
Delete				X
Type				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Destination				
View	X	X	X	X
Add			X	X
Change			X	X

Delete			X	X
Travelproduct				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Order				
View	X	X	X	X
Add		X	X	X
Change		X	X	X
Delete		X	X	X
Payment				
View	X	X	X	X
Add		X	X	X
Change		X	X	X
Delete		X	X	X
Staff				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Customer				
View	X	X	X	X
Add		X	X	X
Change		X	X	X
Delete		X	X	X

4. Lists of Users

User ID	Password	Authentication Group
user	{iSchoolUI}	ci_user
consultant	{iSchoolUI}	ci_consultant
manager	{iSchoolUI}	ci_manager
tester	{iSchoolUI}	SuperUser

5. Testing Instructions

5.1 Log In (<http://127.0.0.1:8000/login/>)

Log in with username *tester* and password *{iSchoolUI}*.

5.2 Add, Change, and Delete Functions in All Modules (Types, Destinations, Travel Products, Orders, Payments, Staffs, Customers)

For each module, click the Create New button to test the add function;

Click any link in the list page to test the view function;

Click the Edit button in the detail page to test the change function;

Click the Delete button in the detail page to test the delete function;

Click any link in the detail page to test the relationship between two modules.

5.3 Log Out

Click the Log Out link in the upper right corner to log out.

5.4 Authentication and Permissions

Log in with the three usernames: user, consultant, and manager (password: *{iSchoolUI}*).

You can see user only has view permission in all; consultant has view permission in all and add/change/delete permissions in orders, payments, and customers; manager has view and add/change/delete permissions in all.

Then log out again.

5.5 Password Reset (http://127.0.0.1:8000/accounts/password_reset/)

Click the Forget Password? Password Reset link to reset password.

5.6 Sign Up (<http://127.0.0.1:8000/accounts/signup/>)

Click the Sign Up link in the upper right corner to sign up for a new account.

Then log in the new account.

5.7 Password Change (http://127.0.0.1:8000/accounts/password_change/)

Click the Password Change link in the upper right corner to change password.

Then go to the Log In page (<http://127.0.0.1:8000/login/>) to log in with new password.

5.8 Administrations (<http://127.0.0.1:8000/admin/>)

Go to the Django administration page, log in with tester account(password: *{iSchoolUI}*).

Go to the Paymethods Module, and you can check all pay menthods that TravelSale provides.

And you can also check authentication and all data here.

6. Logical Database Design

TravelSale Logical Database Design

