

1. Special Virtual Environment:

For my Sichuan tourist guide project, I use the e4_trainor_django_course virtual environment, which is thoroughly used during this semester. There are no additional packages added into the environment.

2. Application Description:

Sichuan is a province in China, which is famous for pandas, hotpots etc. (more information could be learnt from the application website). This application is aimed to introduce Sichuan to potential tourists. By introducing the tourist attractions, which are separated into six categories: bars, local favorites, malls, monuments, museums, zoos, and hotels, and restaurants, cuisines, this application provides the users with a throughout tourist guide. Its intended users are people who are planning to visit Sichuan, China, and who are interested in learning about Sichuan, China. The users are mainly separated into regular users and staff. (more information below).

3. Authentication and Authorization Scheme:

For the regular users, this application mainly separates them into registered ones and non-registered ones. Users who are not registered are not able to view anything in the application, while users who are registered are allowed to only view the application. Since this is an information-driven application, it is sufficient for users to have only view-only authentication.

For the staff users, this application mainly separates them into reviewers and updaters. Reviewers are staff who are assigned to change the content already uploaded in the application, while updaters are staff who are responsible for keeping the whole data set up to date by adding new data into the application.

Below is the authentication and authorization scheme table:

Permission/Group	user	reviewer	updater	SuperUser
Bar				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X

Mall				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Museum				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Monument				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Local Favorite				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Zoo				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Hotel				
View	X	X	X	X
Add			X	X
Change		X	X	X

Delete		X		X
Cuisine				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Restaurant				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
Route				
View	X	X	X	X
Add			X	X
Change		X	X	X
Delete		X		X
City				
View	X	X	X	X
Add				X
Change				X
Delete				X

4. User IDs and Passwords

Below is the lists of user IDs and passwords:

Username/Group	Password	Active	Staff	Superuser	Group: user	Group: reviewer	Group: updater
tester	{iSchoolUI}	X	X	X			
sysadmin	{iSchoolUI}	X	X	X			
reviewer	{iSchoolUI}	X	X			X	
clerk	{iSchoolUI}	X	X		X		

updater_staff	{iSchoolUI}	X	X					X
coworker	{iSchoolUI}	X	X			X		
not_registered_user	{iSchoolUI}	X						

5. Testing instructions:

Testing instructions for this application are separated into manual testing and automated testing.

- manual testing:

test data: sufficient test data has already been added into the database, there is no need to add the additional data for testing purposes. However, there are create, edit, delete buttons signed in as *tester* with password *{iSchoolUI}* available for every model if it's necessary to add additional data for testing purposes.

user ids and passwords: they are provided in the previous section, and log in is required before any other actions.

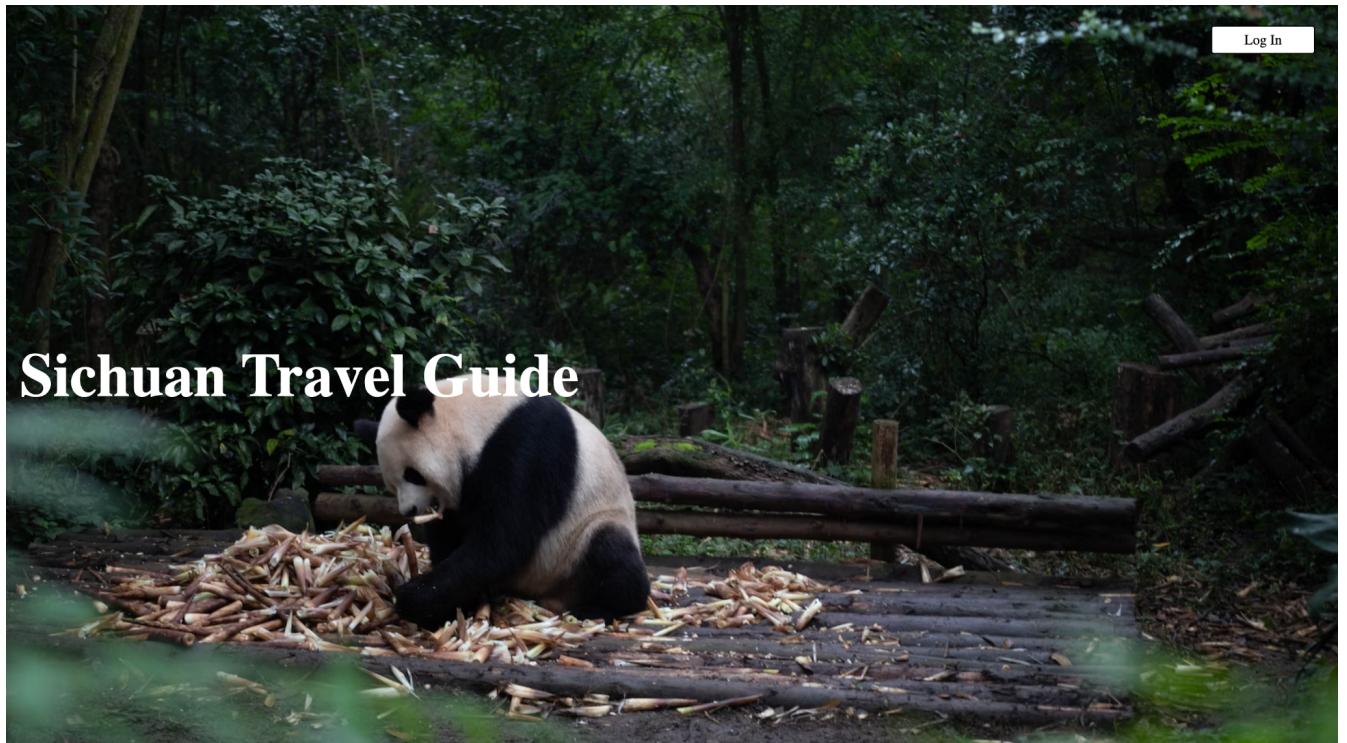
other: run *runserver* in the python manage.py console, the generated http could be used for testing

- automated testing:

All of the test cases are provided in the test.py, which include test cases for models.py, urls.py, views.py, templates, and authentication and authorization.

6. Other Relevant Information:

Remember to scroll down to view more information:



(this is not a static picture, it is able to be scrolled down for more information)

Sichuan Travel Guide

[Log In](#)

Login

Username:

Password:

