**Food Tour application Installation documentation**

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**PROJECT INSTALLATION SETUP**

1.check for python version if it is python 3 then follow below command

**Linux/Mac:** (Installation video “installation and run.mov” available under installationManual folder)

* python -m venv foodtour-env #Creating virtual environment
* source foodtour-env/bin/activate #Activating virtual environment

**Windows:**

* python -m venv foodtour-env #Creating virtual environment
* foodtour-env \Scripts\activate.bat #Activating virtual environment

Here ***foodtour-env*** is user defined name.

2. Navigate to ***FoodTour\_Application/Food\_Tour*** through command line and run following commands

* cd FoodTour\_Application/Food\_Tour
* pip install -r requirements.txt (if project requirements already installed skip this step)
* python manage.py runserver #Runserver with this command

3.Application is accessible at your local host mentioned in the command line

e.g., <http://127.0.0.1:8000/>

**Note: if default “python” command setting is not python3 replace python with python3 and pip with pip3**

For more info on virtual environment creation refer: <https://docs.python.org/3/library/venv.html>

**APPLICATION NAVIGATION GUIDE**

Application developed using Python as Backend and basic HTML, CSS and JavaScript as frontend with Django python framework.

***FoodTour\_Application/Food\_tour/Food\_Tour*:** Application User request logic and processing data fetched through yelp API logic is available at this location with file names *urls.py, views.py, web\_crawling.py*

***FoodTour\_Application/Food\_tour/web\_template*:**Html templates are available with file names *base\_layout.html, index.html, result.html.*

***FoodTour\_Application/Food\_Tour/static*:** CSS and JavaScript files are available under file names*tour.js, tour.css.*

**Requirements checklist:** User should be able to enter a Address/City/State or Zipcode within the US in the location box and a search radius.

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| **Requirements** | **Available in application** |
| 1. The application should return a list of the top restaurants within the search radius of that location. | *yes* |
| 2.The list should be sortable and filterable by distance, name, and star rating. | *yes* |
| 3.From that list, the user should be able to select the stops they want to add to the tour and reorder them. | *yes* |
| 4.Once the user has confirmed their selection, the application should generate a downloadable list in the user's preferred format (PDF, CSV, or JSON). | *yes* |
| 5.Add the ability to mark certain tours as favorites and have them persist when the application is refreshed. | *yes* |
| 6.The application must have a friendly user experience and a modern, approachable UI | *yes* |

**Demo:** Movie named ***“food-tour.mov”*** available as zip file in installationManual folder

**EXISTING BUGS**

* There existing a bug where user clicks on download without making any selection. Hotfix has been made by making an ajax call to reset the global variable to null and render same page with an alert.
* When initial search resulted in “No research found”, clicking Reset button incurs exception.
* When filtering by restaurant name

**ROOM FOR IMPROVEMENTS**

* Application can be made more of object oriented like class-based views in Django for better handling of stored data and processing of requests.
* Calls made while developing download functionality needs revision so existing issues with download file can be handled better.

Note: Few styling CSS snippets and background image are taken from google.