Trip Planner UML Diagram

Explanation of Arrows:
-Solid arrows : represent direct usage or method calls.
-Dashed arrows: indicate testing or mocking of the class/module.

test_city.py

-test_empty_cityst_entered()
-test_numerical_cityst_entered()
-test_validCity_entered()

City

- name: str
- latitude: float
- longitude: float
+get_coordinates()

__init__.py

Used to mark 'src' as
Python package

main.py

+show_menu()
+ main()

AttractionFinder

- latitude: float
- longitude: float
- api_key: str
+get_nearby_attractions()
+get_distance_and_duration()
+getNearbyAttractions()

test_main.py

- mock_city()
- mock_attractions()
- test_show_available_place_types_output()
- test_main_invalid_city()
- test_main_user_quits_immediately()
- test_main_valid_city_and_place()
- test_main_invalid_place_type()
- test_quit_at_place_type_prompt()
- test_main_all_place_types()
- test_main_missing_destination_coords()

test_attractions.py

-test_distance_and_duration_success()
-test_api_status_fail()
-test_element_status_fail(()
-test_successful_get_nearby_attractions()
-test_get_nearby_attractions_with_invalid_API_key()
-test_getNearbyAttractions()