



## **COMP 8347**

# Internet Applications and Distributed Systems

Lab 3

Submitted to:

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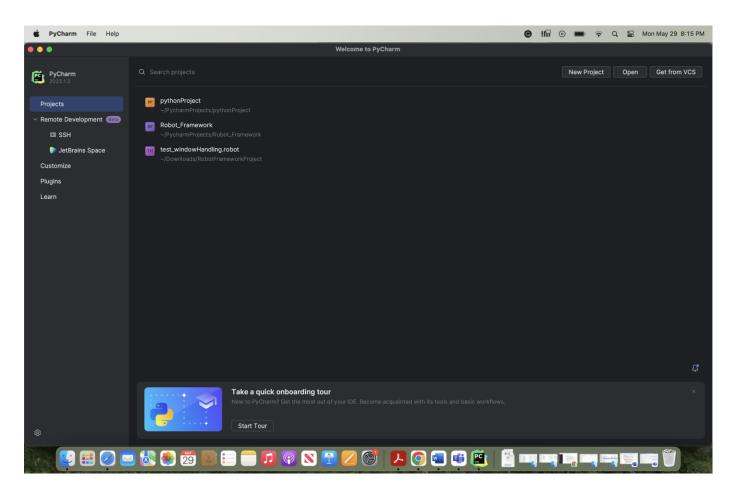


## Part1

Install necessary software, Python, Django, and PyCharm

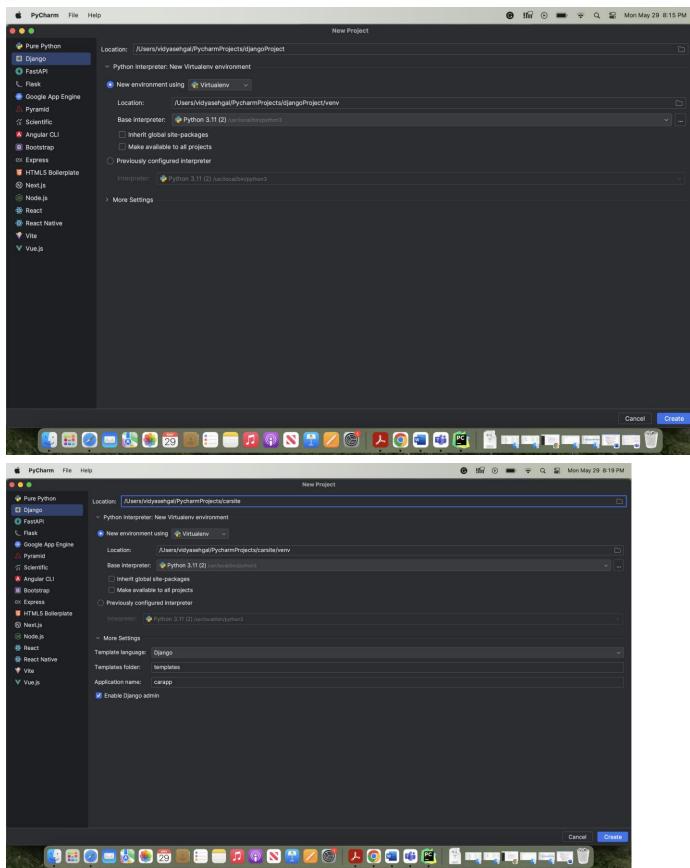
Follow the setup instructions given in the installation guide for Python, Django, and PyCharm for Windows/MAC OS X. The guides are available on Brightspace.

PART 1: Run Django from PyCharm



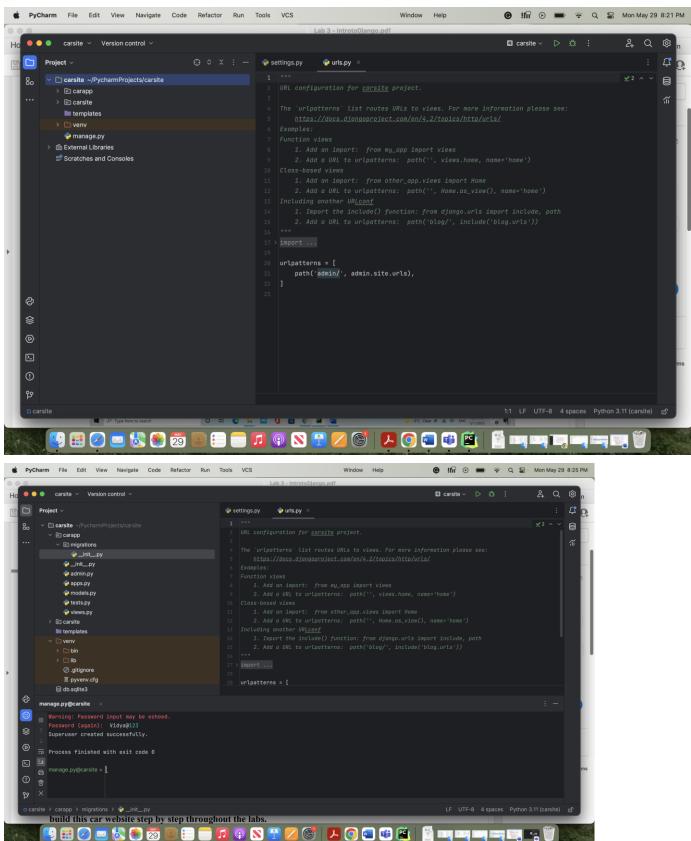






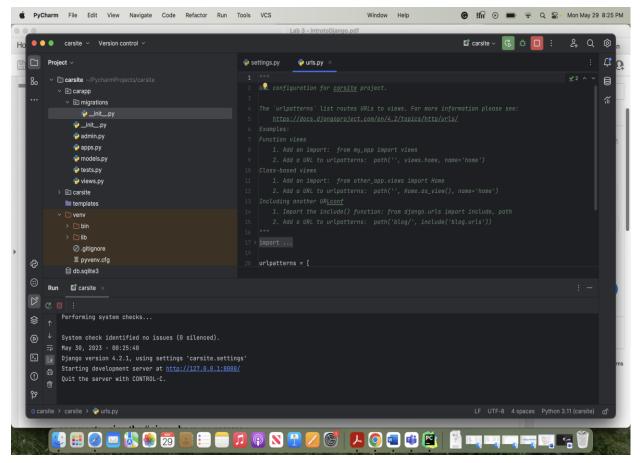




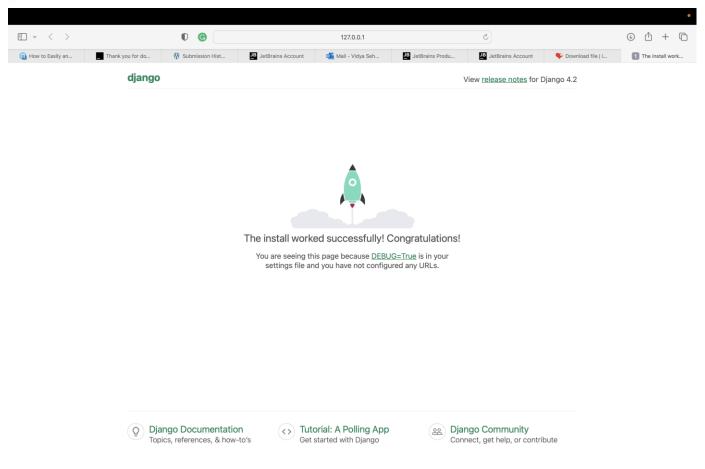








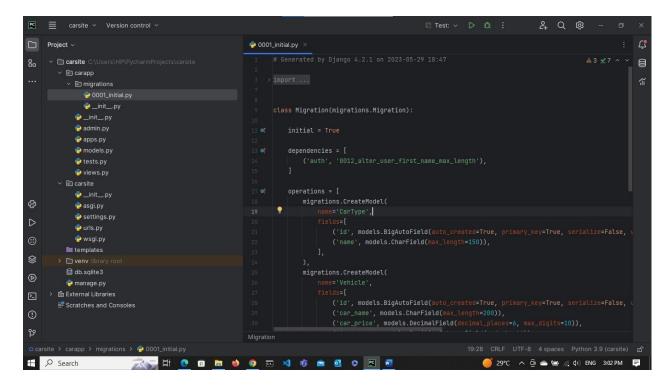




# Part 2

3. Below screenshot shows the 0001\_initial.py and database fields. Attached model1.py with this submission contains code for carsite app.





#### Below fields are primary key in the file:

- In Class "CarType" field "id"
- In Class "Vehicle" field "id"
- In Class "Buyer" field "user ptr"

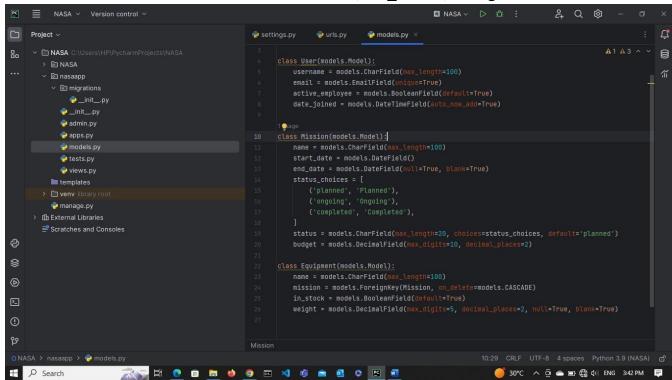
### Below field is the foreign key:

• In class "Vehicle" field "car\_type". This field in class Vehicle is made foreign key and related to CarType class.



# Part 3

- Attached file model2.py contains classes for NASA application.
- It contains 3 classes:
  - "User" containing information of employee with fields "username",
    "email", "active\_employee", "date\_joined"
  - "Mission" containing information regarding the projects with field "name","start\_date", "end\_date", "status", "budget"
  - "Equipment" containing information about tools used in the Mission.
    This also contains foreign key "mission" which related to "Mission" class. Other fields include "name", "in\_stock", "weight".





• All the fields "id" in classes are primary key and "mission" field in "Equipment" class is foreign key which related to "Mission" class.

