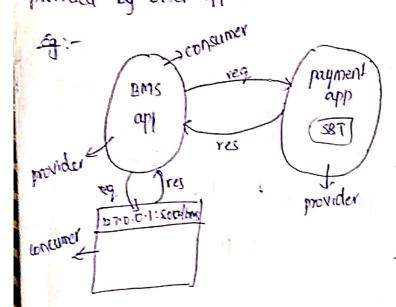
ideb somice privider: the application which is providing web services is called web service provider

Web service consumer:

The application which is consuming the web services which are previded by other application is called web services consumer



* Here when browser & booking show app are communicating than bons application providing services to bruse, so, it is like a provider and brace. acting like a consumer

* por payment purpose bons interacting 6 to bank application so it is acting like a consumer now and bank provides services to bons so it acts like a provider

- Ison - XITL were are called universal languages for straining the data

C between the multiple applications -) If dals is available in the form of Json (31) XML that data can understanding

by all the other languages like java python, Net ... itexas

-> ISON: - Java Script Object Notation

-> XML: EXtensible Markup Language

-> HHp: Hyper text transfer protocal

-> HHp protocal is acting like a universal protocal to sharing the state (behaviour) along with request what we are to perform Http methods

eg: GET, PUT, POST, DELETE

C. Mark Alto protocal is communicating to all the applications irrespective of lang. E W uages (java, Net, python....), mespective of platforms

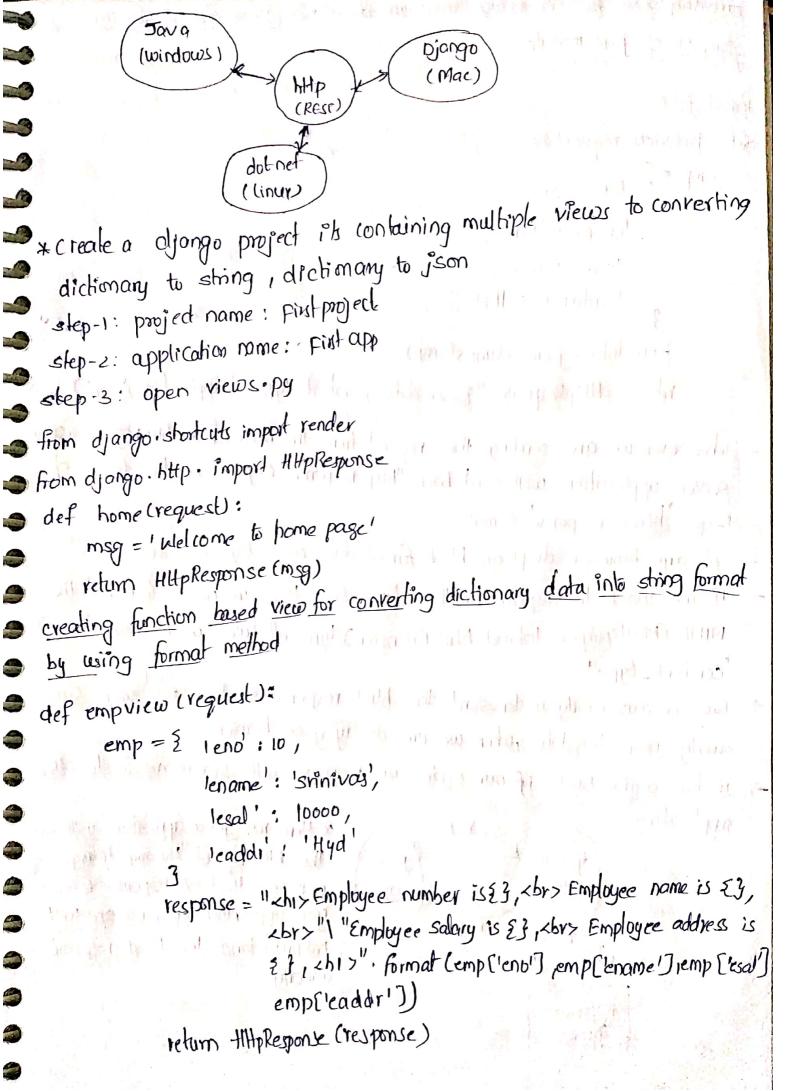
1

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(E) Was



creating for for converting dictionary date into json format by winy damps() of Ison module 1 Import ison The same of det jsonview(request): The Carlot emp = { /cno': 20, State . Tename! : | virat) tay may lesal': 200001 The same 'eaddr': 'belhi' And the second json_data = jsom·dumps(emp) return HttpResponse (json-data, nontent-type = application (json) Charles . -> when ever we are sending the request from the browser as httprequest object server application will send back "http response" object in the form of -the Atml response format - Always browser displays hims format date only by default C -) If we want to display another type data then we need to use the MIME (Multipurpose Internet Mail Extension) type altribute with name as 'content_type' > Browser can easily under stand the html response so that any wer can easily read the data when we are displaying on browser + It has a draw back if our application response with communicate to other application * Here my java application will send the http request the my drango app diango lava app will send the Home response to back app your app) other my Java app 6081) (Annual of the second not understand this html response a directly hllpresp Chuman

- some way of any other application will send the request, it is also not understanding the html response -> That's coby in our rest Api we develop the cade code as should be any software application can able to understanding easily irrespective of languages (Java (python) (8)) platforms (window, linun) -> For that we required "ison" response to make the communication between multiple applications java django app app create for to converting dictionary data into ison with our dumps omethor resp(json) by using JsonResponse() from django. http import Ison Response def jsonvieuz (request): emp = { leno' : 30 lename": 'Rohit' lesal \$ 30000 'eaddr': 'Mumbai' -> Here IsonResponse() is return directly Ison response output by faking return IsonResponse (emp) input as 'dict', without 'min't type all bute (content-type) Note: - Jeon mime type value if content-type = application (jeon') XML MINIME type value is content-type = 'application /XML') Hims mime type value is (content type = 1 tent/ Atmos

from django.conf.ur.ls import ur.l

from django.conf.ur.ls import ur.l

from django.confrib import admin

from django.ur.ls import admin

from django.ur.ls import admin

from Antapp import views

ur.l patterns = [

path l'admin!, admin.sik.ur.ls),

path ('home!', views.home),

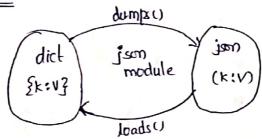
path ('empdata!, views.jsonview),

path ('jsondata!, views.jsonview),

path ('jsondata!, views.jsonview),

slep-s: enecute runserver command

Joon module:-



dumps():- To convert python dictionary object data into json data by pe we required to use dumps() method

loads 1): To convert join data type into dictionary object type the we use loads 1) method.

-) Both methods are available in Jison "module lit is comming along with python software when we are installing

import jeon

j = jeon. dumps (dict)

d = jeon. loads (jeon)

* using command prompt api (Apz) checking tell now we are sending the request from the browser only a) it is possible to send http request from command prompt. 1 ** sti- yes, it is possible to testing the apils from the command prompt by using common like the 6th by client from cure or http command line moduly (third party modula) * we need to install http module | cmd > pip install httpic | * after installing third party module no we convert from command brombt * when we are testing apils using command prompt our url strailed be containing prefix as http followed by required urd cmd > http url E1: http http://127.0.0.1:8000/home Note: if the server stops then command will not work. Exception life http error connection error Views Coxepts: Two types of views support in Django 1. Function based view (fbr) 2. dass based view (cbv) * flor created by def tayword followed by view name and it takes the request object as a parameter def vn(request) * the track by class keyword followed by class name and calender by predefined class cal(view):