(1) 1100 stoppes all (1) > Buscito -> Fuffy Bureito -> 3° crupdate -> 50 (we can use admin 2 8) W How Data Reteieval works in Django V Retering objects How to retrieve data from database Queryset - (A queryset is nothing just an Collection & Objects stored in database) Overyset Manager Model Queryset pains? Model Manager Method

Them Objects all() >> Item. objects.all() ladmin Reading Data from Database Server. Display on index page of food in view by (food) admino site. segister

To los Plem in Health I Reasons 23 name Spacing W Usels- Py / Styling 177/ book 1 /2 formit Al when we are working an onlytiple apps appenane = 'bood' </l></l></l></l></l></ La href = "{1. wod 'food: detail' item. id. 1.}"> om Bargo Template language: · Temploting Engine? · Jinjaz - Templating Engine it is OTL . OTL - Otengo's Default Versable in asky braces [Hereid ??

Completing the detail view :implate des detail (regues, itemid): item=Item.objects.ge+(PK=item_id) Content 2 { ymanic Delsur render (request, "pletail.html", (ontent) templates Co food detail. ht onl < h17 ffitem. item name pf </h1) 2 ha > gs item. itendesc 3/ </h2> Lh3> ff item. itemprice 37 2/h3> "inden") not manually for clicking we can use <a>

OPL index (request). Pear of anyo, http import Hulkesporte return HttBrespose ("Helo world"). Was Clinks Raticular View to der from djarge will infort fam include the farticular wal) new wells by Usipatterns -Path (", Notice. index, name into Ved Patherns = [

'item/', views. items, name | Path ('admin/', admin. site. wels),

= "item"), Path ('food)', include ('food. wels)), " hello !" Using the Interactive snell def items (suguest): return Hetpacofonse ("This is an item view") Herestone ("This is another view < /n1)") Database & Models -Bluefeint to create table Pre- installed (configured -) Sql 1+3 APP - registration C'lood. apps. Food con A'g';) From djang. els import models models. 97 class Item (models . Model) : will semented in the Hem name = models. Charfield (max length = 200) Hem desc = models. Charfield (mar_leigh = 200) item price = models. Integerfield () we have made some changes - Convey it > 18thon maange. By makemigrations food - Python manage. Ry salorigecate food ooo L Timon manage, by gristate

I. for item in itemsest 1. g. · { { item. id }} - { } item. item_mare.} This Yourable 6 html 1. endfor 1. pelalant De (template from django snort cuts (Contentago est)) leturen reender (request, Food / index. html, (context) cropy we need Templates ; Templates in De very do we meed templates? Data Welpage > Pizza Broato Creese · 8 -- Burito 4 - Cheese Burger

what we will learn: · Introduction to Django. · Pathon & Djargo Installation. tood Menu Aff (views, models, authentication · Rest API (Django Rest Framework) · Pagination, Search, Filtering. E- Commerce Site (Shopping Card, Check out, Search, Order Placement Admin Janel Customi Sation. Web Based CV/Resume Crenerator, web Bosed link Scraper

inder Li { % for Plem in itemlist %} manc spacing < W) La horef ="/food/flitem.id]}> ffitenidil-- ffitenitennane ?? Pymon=3-6-7 7/lis app name = 'bood' 2/11/ ﴿ مُ الْمُولِ وَ " إِلَّا لَهُمَا يُطُولُونَا * أَلَى اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّهُ 2% endfor %. } Jango Template Language 6-· Templating Engine? not Pythan · Jinja 2 - Templating Engine Not notion · OTL - Ogango's Default it is DTL Engine Vascable in away braces { [itemoid 3] & Remaing hoord Coded URLS name = detail' < a haref = "f1. we 'detail' item. id ".}" > on

= a. Save() 0.11 Jango a. PK b = Item (item_name = "Burger", Path iten-desc="Cheesy Burger" mysiz) item Price = 10) b. Save () Interact Roject. b. id b. PK-Item. Objects. all() (exit()) 13thon mange by Calate Suferilser 4444 def -- ste_ (self): Username :- Name Letven Self. Henoras Email address; abc@abc. Com Password: supervises Pip Reege Re model Register Pil install vistuaten Sachin Par @ Par. Com cls Vietualenv envitamentrane Suferiser e.g Venu 14 than -m vietualenv env Bor Scripts a Chi vate eny/Scrifts deachivate

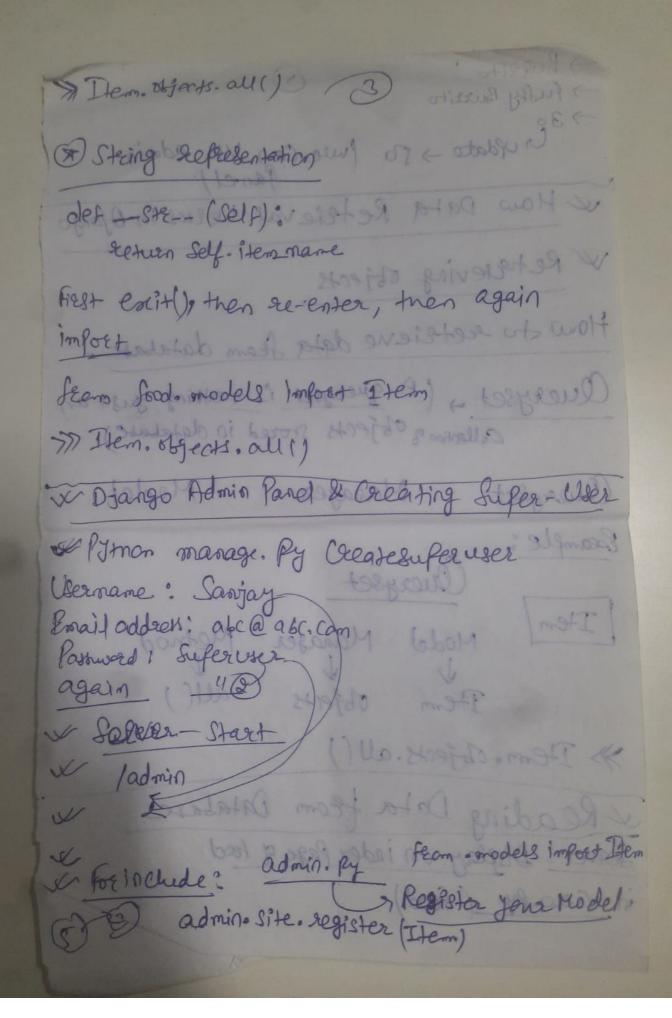
emplates. Pip install diango From django. template input loador Pir Freeze deador get tenplate ("Food/index. html) template Context = { Conda Create -1 reuso Pymon=26-7 conda activate nesso Conda . return H++P Response (+emplate. render (Context, reques)

Conda en list (10) a. 1d Python -- Version Pip Install Ogango a. PK arthen 1919 Py -m django +- Version add to fath , (CHO) otation - digargo-admin stadleroject mysite - init .. Py -> Package b. S manage by -> Interaction with diango Project. Settings by Configuration Unls-by - welpattern matching Python manage. Py sunserver 19444 Lymon Usern Com. imfort views. Email Passive from djongs. well import fath, include Re T thron manage. Py migrate from djaig do imfort models Sachin P919 @ 19 I from manage by make nigrations food Suferue Potnom manage. Py Squanigrate food 0502 Tem shiert all I Imfort Item Item. objects. all) a = Item (item_ name = "Pizza", item desc = "cheesy Pizza",

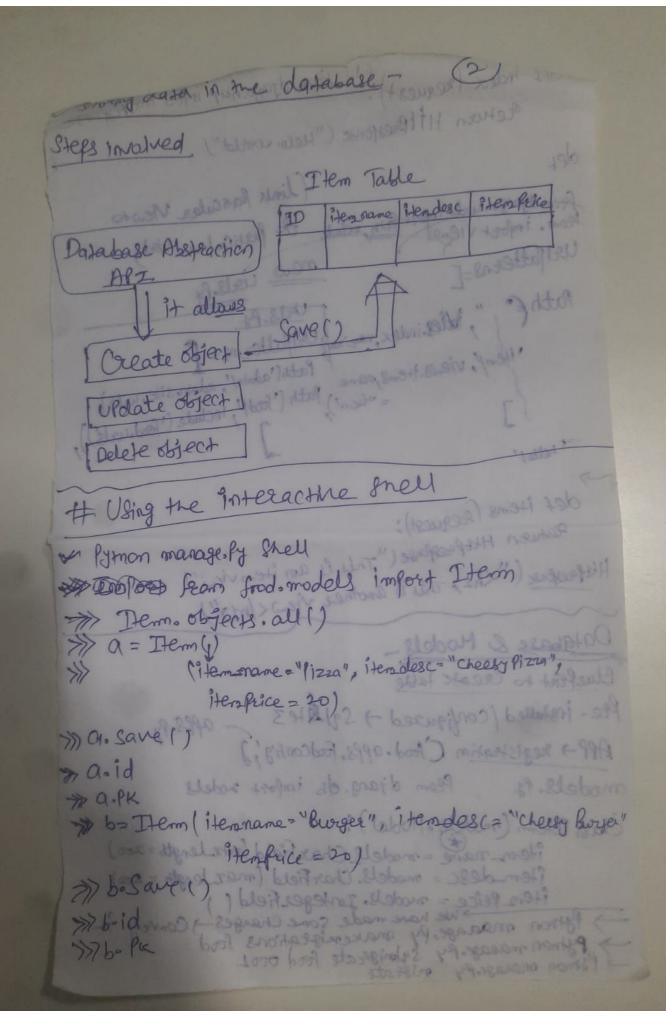
item price = 20)

Fornatt - n views. Py from django. semplate imfort loader det Index (request): Henlist = Item. objects. all () Lenglate = loader. get template (food / index. html) HAPRESTONSE (template Frender (Contes, 2001 (est)) Es dala boiler flate) Content itemlist : in Index Hand templates syntax 1% for item in itemlist % }. 1% endfor 1.7

do ? mplates Completi Structured format layout (Static) Static & Dynamic lets create a template: & Creating the Detail View 1000 det detail (request, itemzid): Return Http Response ("this is item molid: 1/8" 19 olimino itemid) employes in Depty -In Usels Py # / food Patr (' 1, views, index, name = 'index'), # 16000 150 Path (Lint: item_1d>/', views. detail, name='detail'),



View by (food) from models import Item def index (request): iteals I tem. objects. all () Eetwan Happespense (item list) Admin Panel -) add Something (InCognito) Cheese Burger This is a Bruger (Color Hornathing) HTML dynamic) Azom django. Template import templates < h1> This is Just a. -



from djargo. Shortcuts import render (h)
from djargo. Hoth import Hoth fresponse
from djargo. Uses import Path
from views import hometageview
from djargo. Contrib import admin
from djargo. Wels import path
from djargo. Wels import path
from djargo. Wels import path
from djargo. Uses import fath

Conda env list

git init git Status Bitigaore

Pip Preeze requirements. +x+

Pip Preeze requirements. +x+

git add -A

8it Commit -m "Initial Commit"

Files Such as images, Java Script or CSS
How does Djargo Know where the Static
files are located?

Installed Apps = [
'django: Str

450 Uns about 1

7

STATIC-URL = 'Static!'

+x+.com

Initial Count

of Not item in itealist 1/2 } { (iten.id) } -- { (item. item name)} { · / endfor · /.} 8 (1. be item in itemlist 1.) {{item.id}}--{{item.item.mame}} </14/> { 1- endfor 1.} from dayo. Shockcuts import scender from django, template imfort bader def index (request): item_list = Item. objects, all () template = loader. get template ("food /Index. Hod) Comfert = \ 'itemlist': itemlist, ? (seenen H++pResponse (template. render (context, request)) Return geonder (acquest, food index. Hml, Context)

· Django Template language · Templating Engine? · Jinja2 - Templating Engine · DTL - D'jargo's Default Engine Removing Hardcooled URLs

remplates in Depth: * why do we need templates? Ogdabase) Ogta (web) 1 Pizza Burito Cheek Burger 3 - Bussito - Cheese burger what templates do? (Dynamic) template -> Layout Structure lets create a template: D'ango Template language { 1/2 for item in item list 1.} <U>> Variable

<11>

Si item. id 33-- Si item. item. mane };

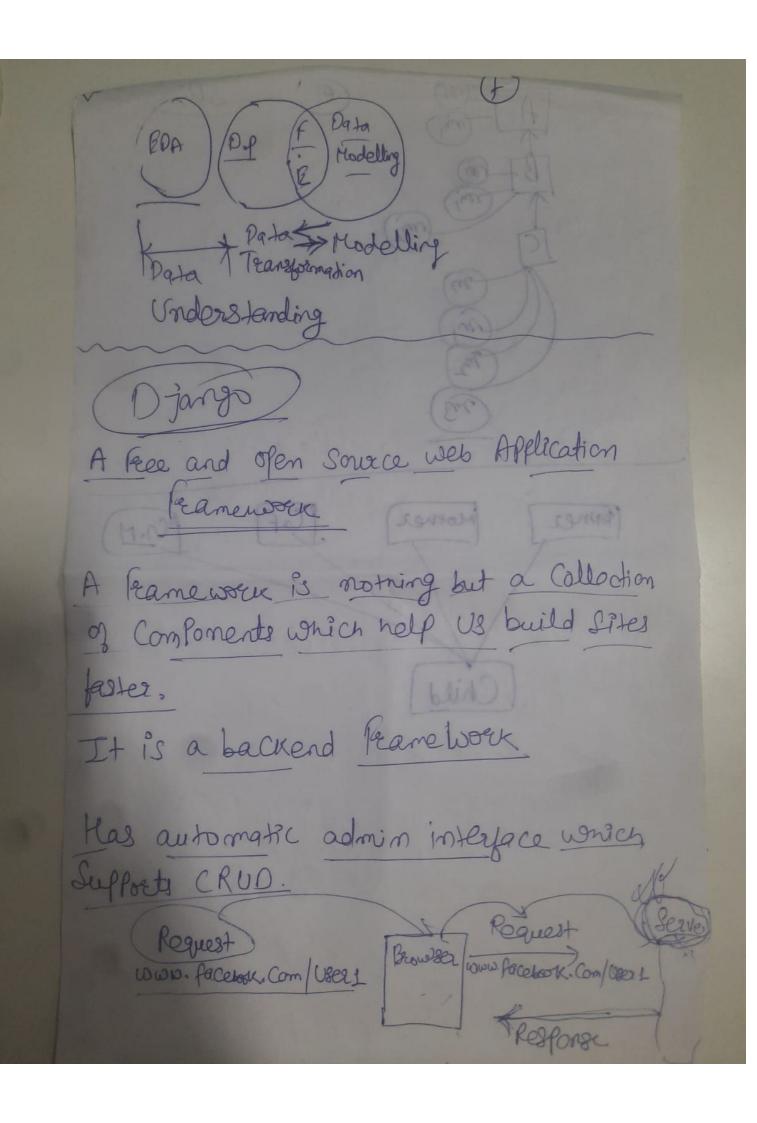
11: 5 Storing data in the database. (1) Steps Involved iten Table item desc item fice TO Hemmane Database Abstraction API Update object Delete object W Reference objects How to setsieve data from database Model Manager Queryset Example: Queryset Method => Item. Object.alk) Hem Model all)

ratabases & Models in Django -- what are models ?large websites needs large amount of data to be stored. 2) Data for Websites is stored in a database. 3 Pata in a database is stored in form of tables / database tables. 9 Models allow us to create database tables. (5) Models are the blue Brint which Can be used to create database tables. 6) Models are nothing but classes In Python. 2) Models are Created in the models. By file for example in To Oceate a model) Student, Simply Create a class graned Student.

cet's take our frevious example 5 Root_ localhost: 8000/food/hello/ URLCONF ROOF_URL CONF = Setting.ly mysite, vals! Ullatern Ut Patterns = I Path (admin/, admin. Site. Uzls), Path (food); include (food. vols), oth ('hello/,
views.great, name= great) mysite. Uts tood leels Views. Py del greet (reguest)? return Happerford ("Help world")

det viewname (request): return () View - what Content your user going to New. How Djangs URL Patterns work Internal working Setting of y Djongo - > Root-URLConf -> U28-87 Match this views in Coming legues+ Call the view

what is an app? Website · Comments How apps look like in djangs apps - It is a Collection of other files - Pritt- of Migrations diango APP what is a views. By file? Views. By User Requests a was facebook. Compayz Here Ps XYZ's Page you to write a view weitten as a python Function. This Can be written inside the views. By file



exequisite & Inside the course Django Understanding the indentation and Syntax of lymon eno prior Djargo Knowledge is required Programming Control Structures like Conditional THE, CSS and Javasceigt were the fundamental building blocks of web development. Hence you must possess good knowledge about it. what's inside the Course? 1) Setup & inderstanding Django Projects @ URLS, Routes & Views 3 Templates & Static Files 9 Data, Models & Relationships 1 weeking with forms 6 class - based Menes @ File Uploads @ Selsions 1 Cookies 1 Many Small Escamples 1 A Real Reinject (Building a Blog) 12) Frontend + Admin Reea B) In- Defty Defloyment avide (14) E-Commerce website

chat his a transmorek ! · A Framework is a farticular Set of rules, ideas beliefs which you use in order to deal with tesslems or to decide what to do. what is a djargo ? · Djargo is basically a high level Python Web applipation framework that enables the easid development of web applications. . Ofen-Source Ython Feareworks. · follows the model - View - template (MVT) · Most Popular Python Peaneworks why Django ? was seen is established · Its fast & simple, It Suits any web application Reoject Its well-established · MVT Suffort and Object - Oxiented approch · Built - in Aythertication and Almorisation · Packaging system. which companies Uses diango? · Joy Tube · Disque · Instagram · The washington Post · Bit succeet · Spotify

Installing Python & Django Pil Peceze Pip instay diango Creating a Diango Project -Starting a Development Server Port Change-Python

(Model View Template) Djargo MVI-· The (MVT) (Model View Template) is a Software design Pattern. · It is a Collection of there important Components Model view and Template. · Model: Model is going to act as the interface of your data · View: The view is the User interface what you see in your browser when you render a website · Template: A template Consists of Static Parts of the designed HTML croppet as well as some special syntax descelling how dynamic Content will be inserted. Flow Chart of MVT User 2 diango 2 URL 2 View Model) Template