Dlango & architecture & template. Tot

- : 17thon web appl framework: Dlango
- francwork, it is based on modeltemplate - view architecture.
- Diango s/a Foundation 8 licensed under BSDA License.

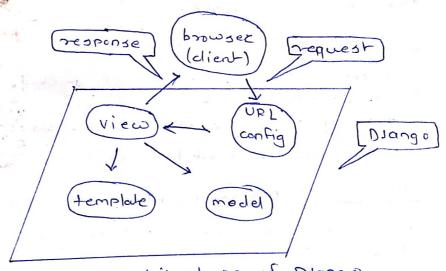
A-chitectute :.

framework.

occess layer. the layer contains any thing & everything about data. How toccess.

2. T for "template". It is presentation layer. This layer contains presentation related decisions. how something should be displayed on use page.

3. V stands for "view" the business logic large. This large contain logic that access model & detext to appropriate template.



Architecture of Dlango

Drango was built using python, an object oriented apply development language which combines power of system language, such as c/c++, lava. with ease & rapid development of scripting language, such as ruby & visual basic

template :-

- · Diango template is a string of text
 that is intended to seprete the
 presentation of document from its data
- · template definer placeholder & vocious bits of basic logic.
- The easiert way to create template object is to instantiate it directly. The template class liver in "diango template" module.

AWS uch services, outo scaling & advantages & functions of Amazon

Ecz.

- · AWS is collection of remote computing sexuice that together make up a cloud computing platform, offered over internet.
- · The aws cloud infrastructure is built around regions & availability zoner(Azis)
- . A region is physical location on the world where we have multiple AZS.
- These Azs offer you the ability to operate production appl & databaser that are more highly available

*auto scaling :-

- · it is a service offered by amazon web servicer that helps customer automatically adjust their amazon Ecz capacity according to current load.
- · autoscaling can be used for auto scaling IoT appl & IoT platforms deployed on amozon EC2.
- , auto scaling consist four component:
- Le tells auto scaling how to configure the Ecz instancer it launcher.
- it definer where FC2 instancer described in Ic will run, what the minimum no of instancer.

3. Auto scaling policy (ASP): define how on Asor should be changed whether increase or decrease 4. scheduled Action (JA) it is an action that is friggered at specific time to decrease or increase no of Ecz instance running in Asca · functions & advantager of Amazon Ecz 1. local vorsely of 03 2. install custom appl? 3. manage network access permission A . run image using many few system. Adventager: 1. usee have complete control of Amazon Ecz 2. support flexible cloud hosting service 3. it enabler you to increase or decrease copacity within minuter. Rospberry PI - " · A raspberry pi is credit -cord sized computer originally designed for education, inspired by 1981 BBC micro. · creator eben upton's good was to create low-cost device that would improve device that would improve programming skills & h/w. · n-aspherry pi is slower than modern computer & temptop but 3 hill complete linux computer & can provide all 1503 expected abilitier.

Jon ponents of Rospherry
naspherry pi doer not have seprale
CPO, RAM, Or CAPO.
· raspbezzy pi is open \$10 with exception
of its primary chip.
Processor: raspherry pi user ARM
Processor which also installed
have co-processor
Memory: . model B rospbecty pi has
512 MB SDRAM (Synch ronout dynamic pam)
· it store program that one currently
USB Ports: Bootds has two USB
port, usB port can provide a
cuecent upto 100 mA.
HOMI output: high destriction
high-quality digital video & audio
through single cable.
composite video olp: it support
emposite video of p with Red Jack 8 also support PAL
Audio of audio of Jape 13
This sauc is used to a audio Up
CIPIO PINS: newer Rospherey pi adds
8 more CAPIO pins in a new header

Cloud storage & advantager IoT

- · cloud computing refer to a variety of servicer available over the internet that deliver compute functionality on the
- service provider intrastructure.

 using internet for communication &
 transport provider 41 w & stw & networking
 service to clients.
- Cloud storage delivert virtualized storage, on demand, over a network based on a request for given gos.
- There is no need to purchase storage
- rou only pay for amount of storage que data is actually consuming.
- cloud storage seevice may be accessed through a web seevice API.
- several large web companier (omazon & google) are now exploiting the fact that they have data storage capacity that can be hired out to other.

 This approach known as cloud storage allows data stored remotely to be temporarily cached on destrop.

- Advantager of cloud

- · companier do not need to install physical storage they actually use devicer in their own data center.
- organizations need only pay for storage they actually use as it is also possible for companies by willizing actual virtual storage.
- cloud storage provides useer with immediate access to broad range of resource & applications hosted in infrastructure

per like os such as whenty Linux.

I outputs its screen to HDMI enabled To or monitor via the built HDMI interface.

- it is specially targeted for the fast se growing demands from open source community.
- e ar monitor via the built.

 Advantages:
 - 1. Affordability, size, power consumption 2. Alexibility with display.
- d 3. compatibility Buith arduing.

Beaglebone board:

- · it is low-cost, open source, community supported development platform for ARM.
 - The BB how platform is well suited to acting as a probe trying platform & leozning tool for android Ds.
- ical symbian os.

characteristics:

- . support USB 2-0 host port
- e · lover power consumption
 - · it support 1 GHZ superscalar
 ARM contex AB.
 - · new micro-HDMI andbo / visual of.
 - · beagle bon biffers flexible language system where you can use sovoscript, c/c++, python, pell.

cubie board.

- · it is single-booked computer, made in zhuhar, guangdong, china.
- . it can run Android, ubuntu, fedora

How specification:

- · cpu, 100 2 correr cpu optional
- · 1 GB DDR 3 , 20/30 GPU
- · 4 CIR Mand flosh , 2160 P. HD video

o 50 frwate	specification	707	
· Preinstal	android 4.X		
· support	1 ubunto 12.04	I whento 12.04 desk top	
· support	Fedora 18, Debi	Codorale Debico linux,	
		kali linux.	
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