

TEAM LEAD VERSION (Backend Sprint-2 Week-1)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

5m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work

5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions

15m

1. Which one is the reason of the using virtual environment?

- A. Resolve dependency issuesby allowing you to use different versions of a package for different projects. For example, you could use Package A v2.7 for Project X and PackageA v1.3 for Project Y.
- B. Make your projectself-containedandreproducibleby capturing all package dependencies in a requirements file
- C. Install packages on a host on which you do not have admin privileges
- D. All of them**

2. Which architectural design pattern does django use?

- A. Model-view-presenter(MVP)
- B. Hierarchical model-view-controller(HMVC)
- C. Model – View – Template (MVT)**
- D. Model – Viewer – Controller (MVC)

3. Which command is the create django project?

- A.Django-admin createproject -projectName-
- B. Django-admin addProject -projectName-
- C. py manage.py createproject -projectName-
- D. django-admin startproject -projectName-**

4. Which one is not default file in project folder?

- A. Urls.py
- B. Settings.py
- C. init.py
- D. Models.py

5. is a place where we put the "logic" of our application. It will request information from the you created before

- A. Url-View
- B. Model-View
- B. View-Url
- B. View-Model

6. After installation DRF package with PIP, do we need to add DRF to installed apps? If so with which name?

- A. True
- B. False

7. When we call data from database, response data type is QUERYSET. To translate this queryset data, what do we need to use?

- A. Authenticaion
- B. Serializers
- C. Permission
- D. Model

8. What is request.META in request object?

- A. It is a python dictionary.
- B. It contains all the HTTP Headers associated with a particular request.
- C. It contains the user's IP address and machine specifications.
- D. All of the above

9. Which of the following Password Validators are not provided by default in Django?

- A. NumericPasswordValidator
- B. CommonPasswordValidator
- C. MinimumLengthValidator
- D. MaximumLengthValidator

10. You should use the http method ____ to read data and ____ to create data?

- A. READ; WRITE
- B. GET; POST**
- C. POST; GET
- D. GET; PATCH

11. What would variable m output?

```
from post.models import Post
m = Post.objects.filter(post_heading='post1')
```

- A. It will print the first object which matched with heading 'post1' in argument
- B. t will print all objects.
- C. It will print all the objects which match the heading 'post1'.**
- D. It will return None

Django is based on MVT (Model-View-Template) architecture. MVT is a software design pattern for developing a web application

Interview Questions
Model: The model is going to act as the interface of your data. It is responsible for maintaining data. It is the logical data structure behind the entire application and is represented by a database (generally relational databases such as MySQL, Postgres). 15m

View: The View is the user interface — what you see in your browser when you render a website. It is represented by HTML/CSS/Javascript and Jinja files.

Template: A template consists of static parts of the desired HTML output as well as some special syntax describing how dynamic content will be inserted.

2. Explain the django project directory structure?
manage.py – This file is used to interact with your project via the command line(start the server, sync the database... etc)
init.py – It is a python package. It is invoked when the package or a module in the package is imported.

settings.py – As the name indicates it contains all the website settings

urls.py – In this file, we store all links of the project and functions to call.

wsgi.py – This file is used in deploying the project in WSGI.

3. What are models in Django?

Django modeli, Django'nun tablolar, alanlar ve çeitli snrlndrmalar olutmak için kulland yerleik özelliktir. Ksacas Django modelleri, Django ile kullanılan Database One SQL'dir. SQL (yaplandırılmış Sorgu Dili) karmaktr ve veritabanı ile ilgili oluturma, silme, güncelleme veya dier bilgiler için birçok farklı sorgu içerir. Django modelleri görevleri basitletirir ve tablolar modeller halinde düzenler. Genel olarak, her model tek bir veritabanı tablosuna elenir.

4. What is the Django Rest Framework?

Django REST Framework (DRF), Web API'leri olutmak için güçlü ve esnek bir araç setidir. Temel avantaj seriletime ilemini çok daha kolay hale getirmesidir. Django REST çerçevesi, Django'nun snf tabanlı görülerine dayanyor, bu nedenle Django'yu tanyorsanz mükemmel bir seçenek. Snf tabanlı görünümler, formlar, model dorulayc, QuerySet ve daha fazlası gibi uygulamalar benimser

5. What is Django ORM?

ORM, Nesne likisel Eleyici anlamına gelir. ORM'nin temel amacı, bir uygulamadaki bir veritabanı ile modeller arasında veri göndermektir. Veritabanı ve bir model arasındaki ilişkiyi haritalar

6. What is the difference between CharField and TextField in Django?

CharField maksimum 255 karakter uzunluundayken, TextField 255'ten fazla karakter tutabilir.

Coding Challenge

35m

-There is no code challenge in this week

Coffee Break

10m



Video of the Week

10m

- [What is Django Capable of? | Companies That Use It](#)

Retro Meeting on a personal and team level

5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

Case study/Project

0m

Django Serializers

- [Django Serializers Workshop](#)

Closing

5m

-Next week's plan

-QA Session
