Introduction to the Back-End

Django Bootcamp

- Welcome to the back-end half of the course!
- Before we begin, let's get a brief overview of what to expect for this half!
- Also congratulate yourself, you've already learned a lot!

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- To use Django and Python effectively a basic level of understanding the command line is necessary.
- These commands are sometimes slightly different for Windows users versus MacOS and Linux users.

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- Refer to the notes for full examples and reference commands, we will only need to know a few to get started.
- The next lecture will have a quick overview of them for you!

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- In order to use Django we need to have a pretty good understanding of Python.
- We will need to learn Python up to the point of Object Oriented Programming.
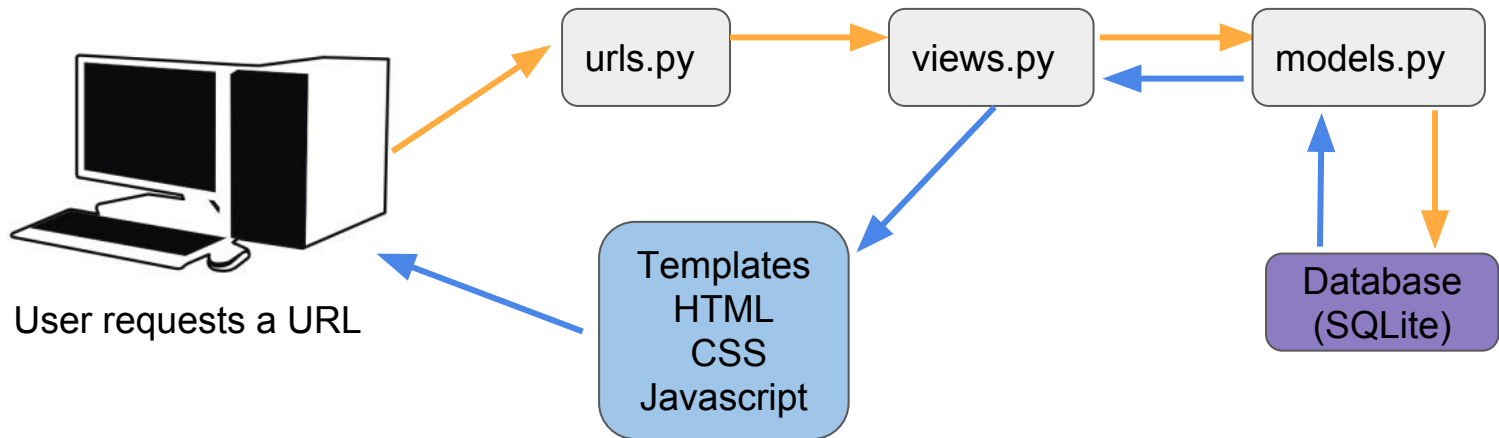- If you have previous experience with Python, feel free to skip lectures!

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- Once we've learned enough Python we can begin to use the Django web framework to create websites!
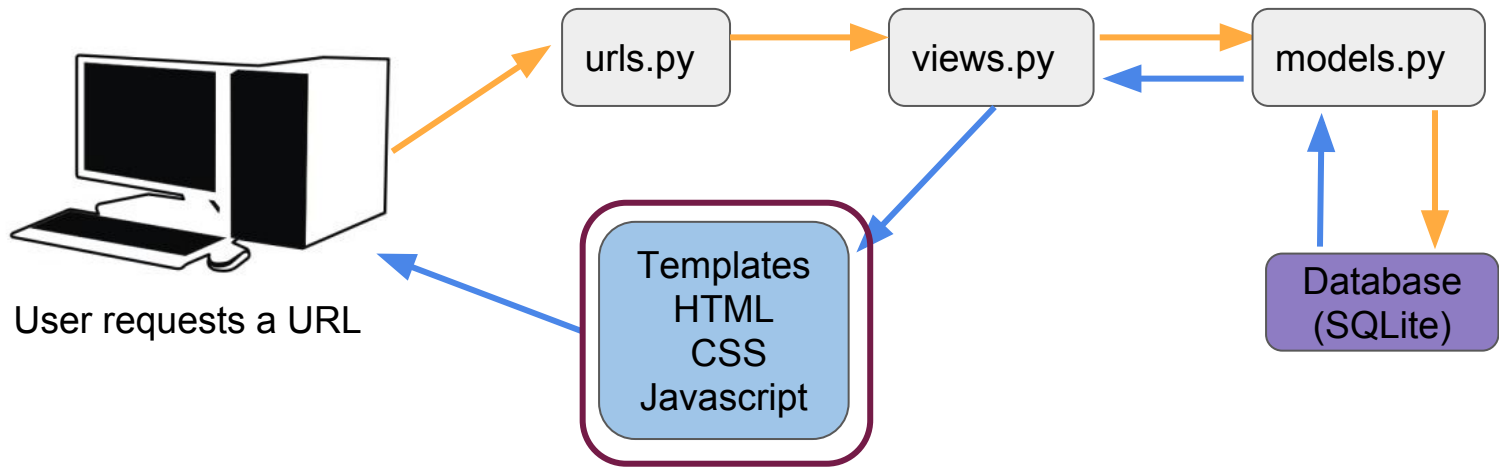- Let's go over a very high level overview of how Django works!

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(Very) High Level Overview of Django

User requests a URL

urls.py → views.py → models.py

Templates
HTML
CSS
Javascript

Database
(SQLite)

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We now know the Front-End technologies

Django

- It is now time to learn enough Python to successfully use the Django Framework we just described!
- As we go through the back-end make sure to visit the documentation (it is really well written!)

Django

- Many Django tutorials dive straight into a "clone" project. Where you are guided through a clone of a popular website (e.g. Twitter, Reddit,etc.)
- This course takes a split approach, create a simple site first, then clones.

Django

- We will first develop a very simple website.
- The website will just be a simple registry of user-provided link with some basic user interactivity.

Django

- The reason we don't do a clone at first is because this doesn't provide the best learning experience for the fundamental concepts.
- With the simpler website approach we can give clear explanations.

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Django

- This approach also allows us to add in exercises that you can try out independently!
- Once we've gotten the main concepts down with the simple website, then we can tackle clone projects.

Django

- The later sections of this course will then utilize the clone projects to introduce more advanced concepts, like social logins, authorization, deployment, etc.
- Clones are a great way to introduce those topics in a fun and interesting way!

Django

- Get ready to learn a lot!
- This half of the course is where you get to build all the cool stuff!

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