

PYTHON FOR WEB

DJANGO EXPLAINED

An Overview



problem solution approach

Presented
By

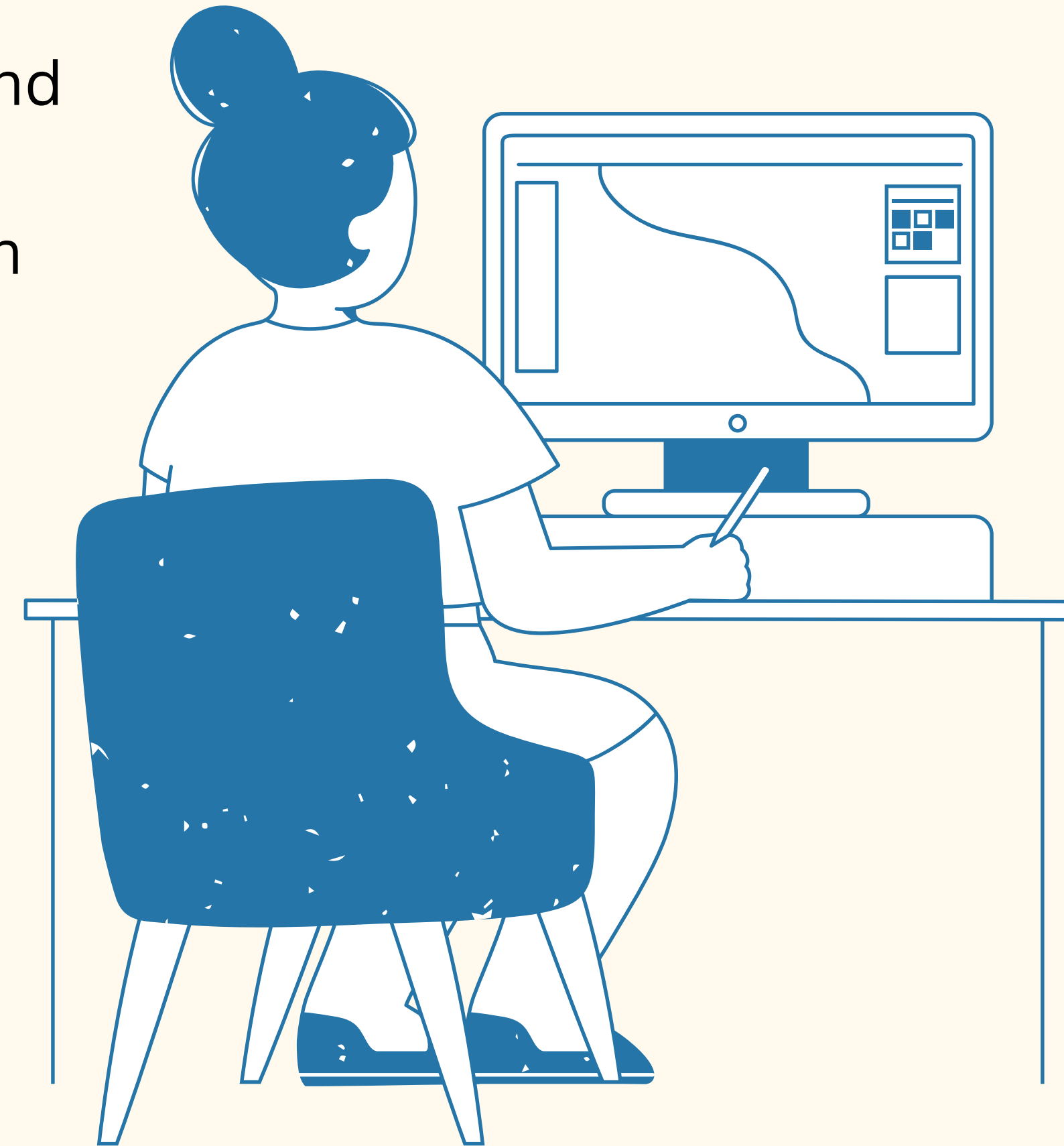
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INSIGHT BUILDER

WHY DJANGO?

1. Get your project setup with a single command
2. Create a Demo of your new Idea
3. Build a Demo that can move to Minimal Prdn
4. Integrate AI
5. Populate HTML pages via code
6. Write Less Code & use DRY
7. Let Models abstract Database integration
8. Build URLs using references
9. Integrate Data & Text editors

... and much more reasons



WHAT IT IS MADE OF?

Django Project - 1

VIEWS URLs TEMPLATES MODELS

MANAGE.PY

App-1

VIEWS

central decision maker

URLS

Action trigger

TEMPLATES

Frontend Interface

MODELS

BackEnd Interface

App-2

VIEWS

central decision maker

URLS

Action trigger

TEMPLATES

Frontend Interface

MODELS

BackEnd Interface

App-3

VIEWS

central decision maker

URLS

Action trigger

TEMPLATES

Frontend Interface

MODELS

BackEnd Interface

Django Virtual Environment



Django Project - 2

VIEWS URLs TEMPLATES MODELS

MANAGE.PY

App-1

VIEWS

central decision maker

URLS

Action trigger

TEMPLATES

Frontend Interface

MODELS

BackEnd Interface

App-2

VIEWS

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App-3

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MODELS

BackEnd Interface



STEPS TO DJANGO MASTERY

1. Create python virtual environment
2. Install Django & its dependencies
3. Create a git-hub repo (optional)
4. Start a Django Project
5. Render first page from project (Multiple steps)
6. Start a Django App
7. Add Django App to Project
8. Render first page from App (Multiple steps)
9. Understand Django Template Language
10. Understand Templates Inheritance
11. Create Models & Register
12. Work with Site-Admin page



Start Building Real Sites

COMMANDS TO BEGIN

- `django-admin startproject 'project_name'`
- `django-admin startapp 'app_name'`

Inside the project

- `python manage.py createsuperuser`
- `python manage.py makemigrations 'app_name'`
- `python manage.py migrate`
- `python manage.py runserver`



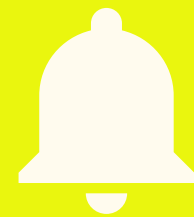
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