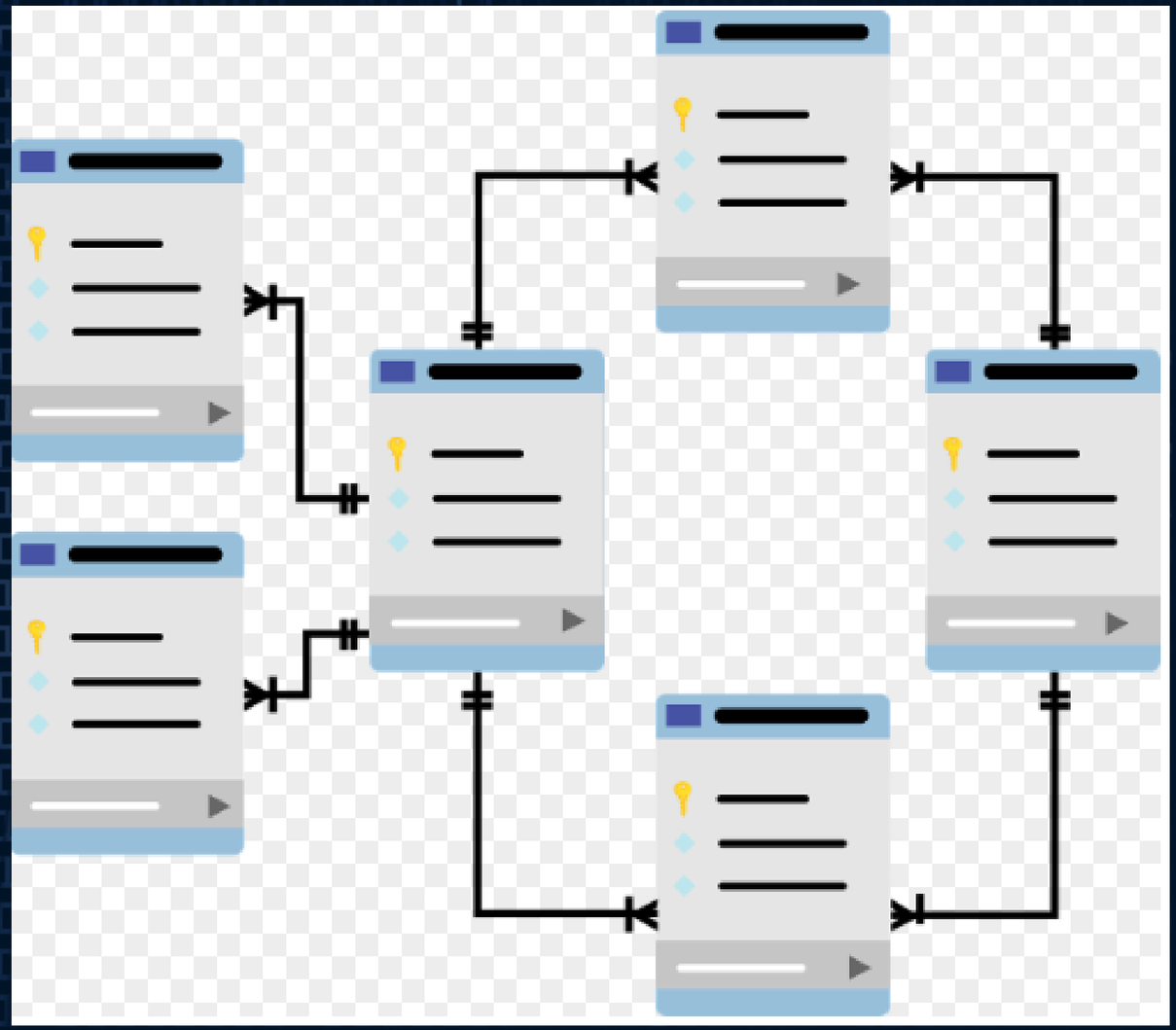
PYTHON FOR WEB

Integrating Django Backend to Gallery

process intro



WHY?

- LEARN TO BUILD DATABASE MODELS FOR USEFUL APPLICATIONS
- USING THE RUNSCRIPT COMMAND FROM THE DJANGO EXTENSIONS TO LOAD DATA
- UNDERSTAND HOW SEARCH WORKS IN DJANGO
- AUTOMATE THE HTML ELEMENT CREATION USING DJANGO TAGS & VARIABLES

HOW?

WE WILL LOOK AT BUILDING THE BACK-END OF THE GALLERY

- CURATE THE VIDEO-ID, URL AND DESCRIPTION INTO LIST OF DICTIONARY
- COLLECT THE PICTURES TO BE USED AS THUMBNAIL FOR EACH VIDEO
- WRITE DATAMODELS, MIGRATE THEM AND LOAD THE CURATED DATA INTO DATABASE
- QUERY THE CURATED DATA USING MODELS.PY AND POPULATE ON THE GALLERY

WHAT IT TAKES?

- THINKING ABOUT THE WEBSITE IMPLEMENTATION STEPS
- UNDERSTANDING OF THE DJANGO MODELS VARIABLE TYPES
- USING THE DTL TAGS & VARIABLES FOR REPLICATING HTML

DIVING INTO REQUIREMENTS

WEB SITE HOME

FULL GALLERY

SEARCH PAGE

PLAYLIST PAGE

FILTERED GALLERY

FILTERED GALLERY

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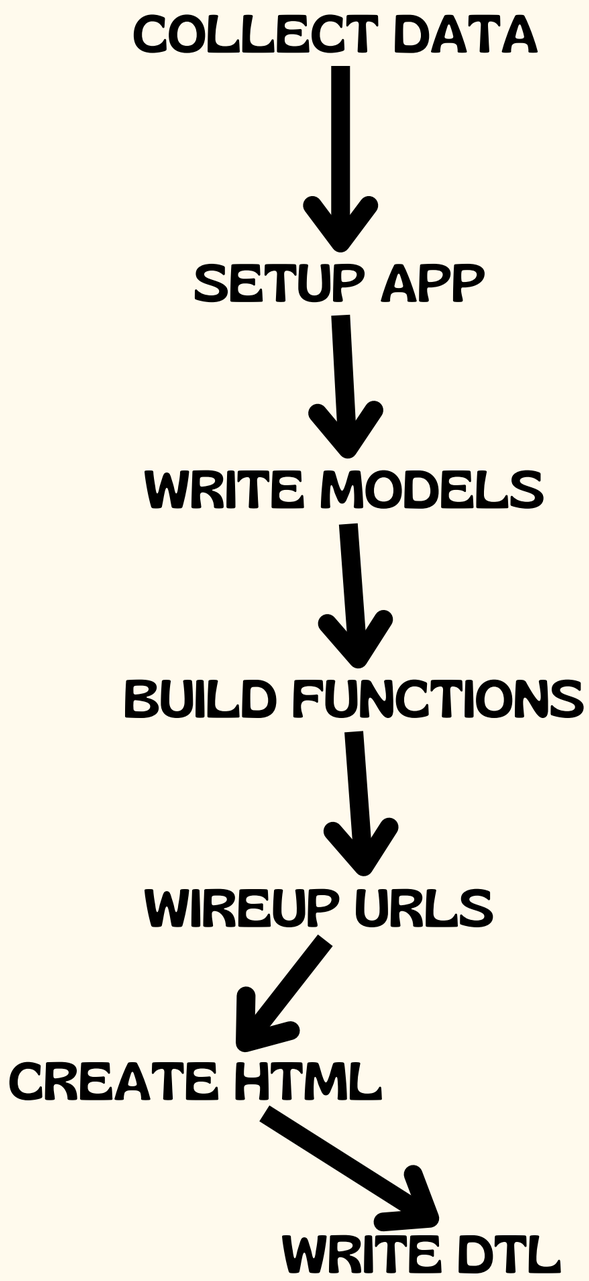
ACTIVITIES TO DO

- GET THE VIDEO DETAILS, THUMBNAIL PICTURES & DESCRIPTIONS
- WORK ON DJANGO GALLERY APP AND ITS PROJECT SETTING
- BUILD THE DATABASE MODELS IN MODELS.PY. ENSURE THE SLUG FIELDS ARE CREATED FOR VIDEOS / CATEGORIES
- WIRE UP FUNCTION IN VIEWS TO GET DATA FROM THE MODELS
- LINK THE FUNCTIONS TO APP URLS AND TEST THE DATA
- INCLUDE GALLERY APP URLS INTO PROJECT URLS CONFIG
- CREATE THE BASE HTML FOR THE GALLERY, EXTEND IT FOR FULL & FILTERED GALLERY PAGES
- WRITE THE DTL ON THE HTML PAGE TO SHOW THE DATA RETURNED BY THE VIEWS FUNCTION



THANKS FOR WATCHING

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