



PHOTOGRAPHY COURSE

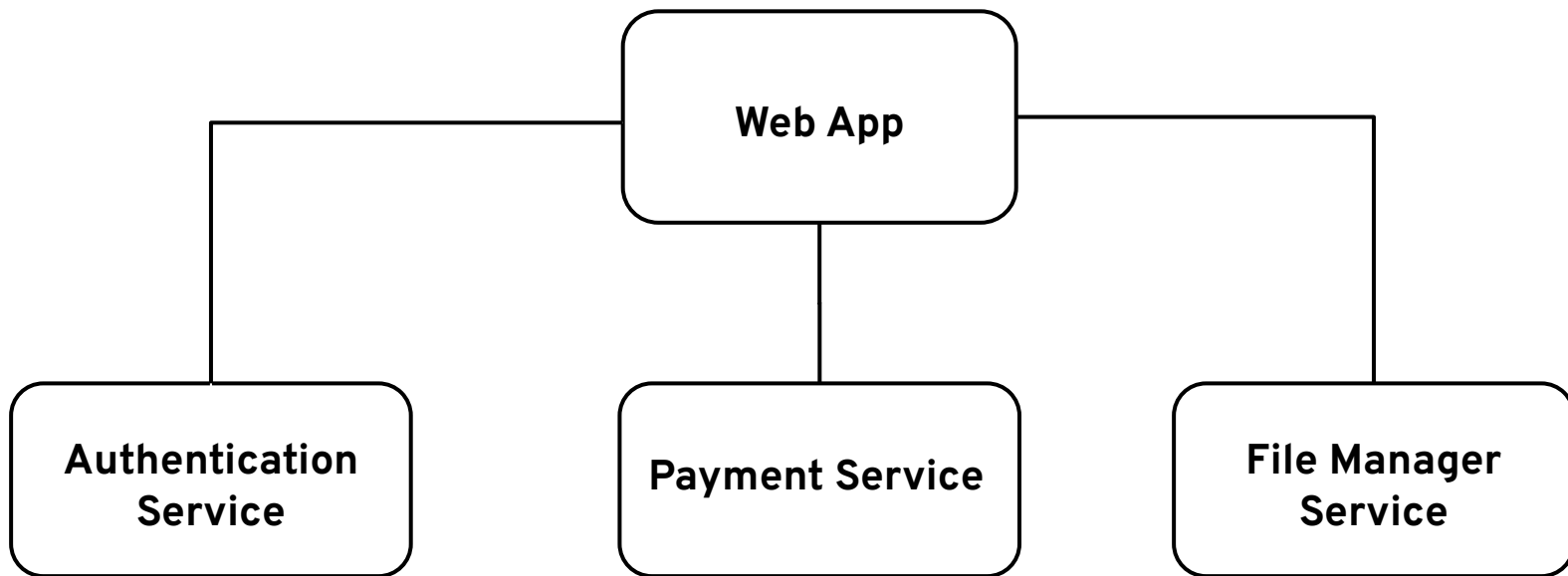
APPLICATION

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CONCEPT

- Courses with videos about photography.
- Paid service where these videos on photography techniques are provided updated by professionals in the field.
- Authentication service where the type of account will be distinct from student to teacher.
- Teachers will have the option to upload video.

ARCHITECTURE



AUTHENTICATION SERVICE



Flask



POST **/user** Create user

POST **/user/login** Logs user into the system

POST **/user/logout** Logs out current logged in user session

POST **/user/status/{token}** Check if a user is logged in

GET **/user/{token}** Verify if token is valid

Features:

- User registration
- User authentication
- User logout
- Validate authentication
- Validate token

PAYMENT SERVICE



GET /payment/{order_id} get payment information

POST /payment/{order_id}/{method_id} confirm payment

POST /payment/{token} complete transaction

Features:

- Proceed to payment
- Summary of the purchase

Interaction:

- Authentication Service

FILE MANAGER SERVICE



POST /upload upload file

GET /files/{id} download file

GET /files get files from database

Features:

- Upload of file
- Download file
- Get files from database

Interaction:

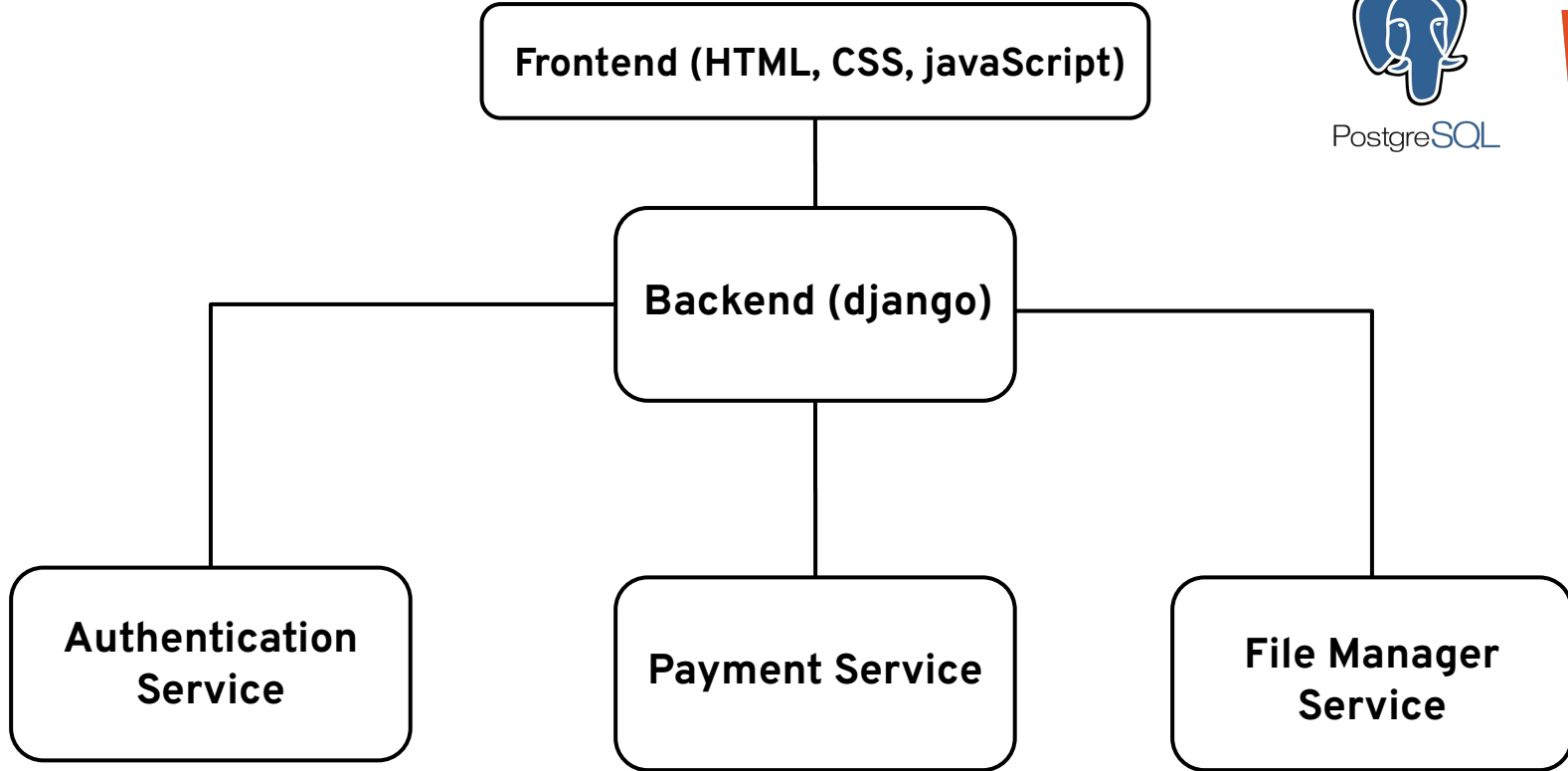
- Authentication Service

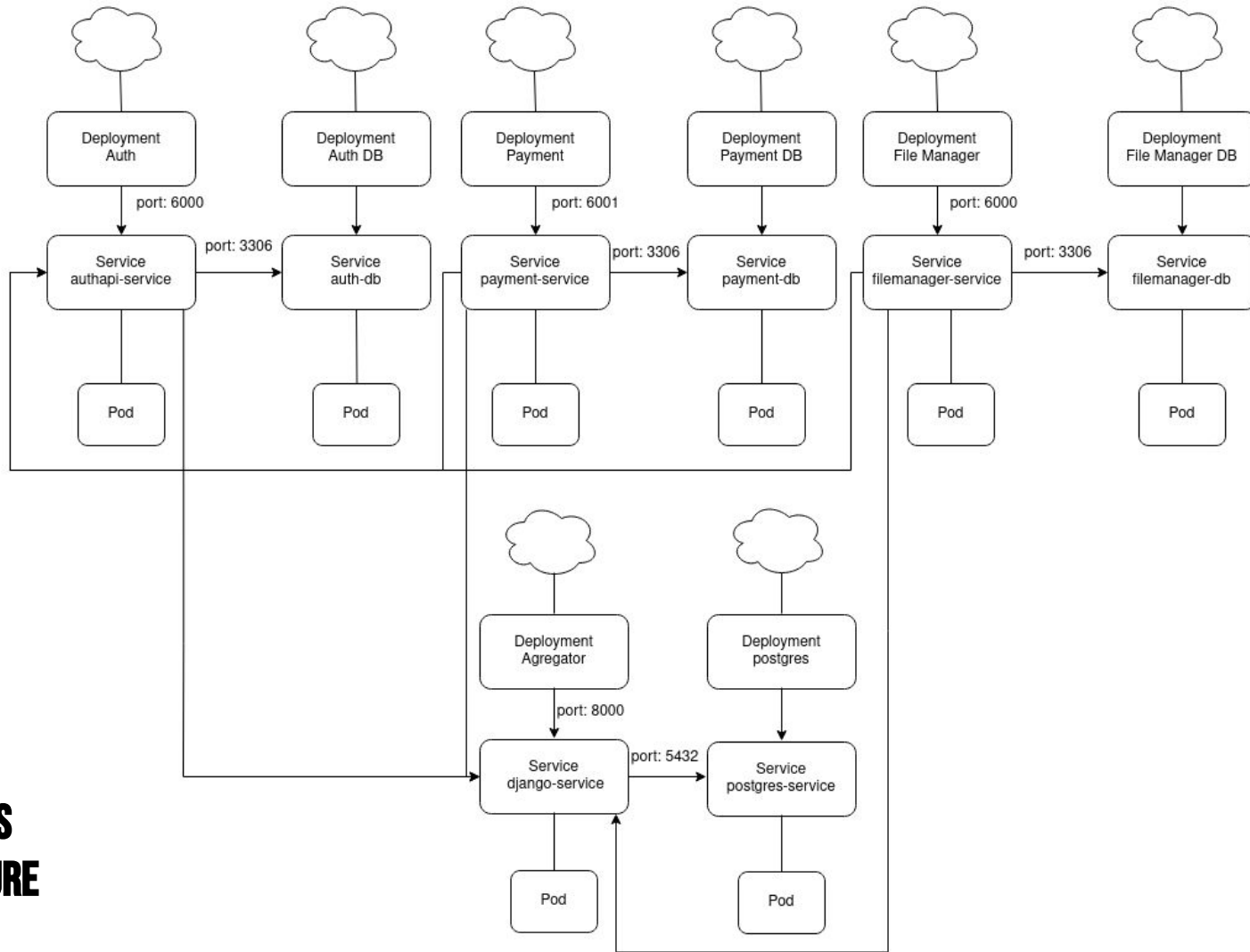
BACKEND AND FRONTEND

django



PostgreSQL





KUBERNETES ARCHITECTURE