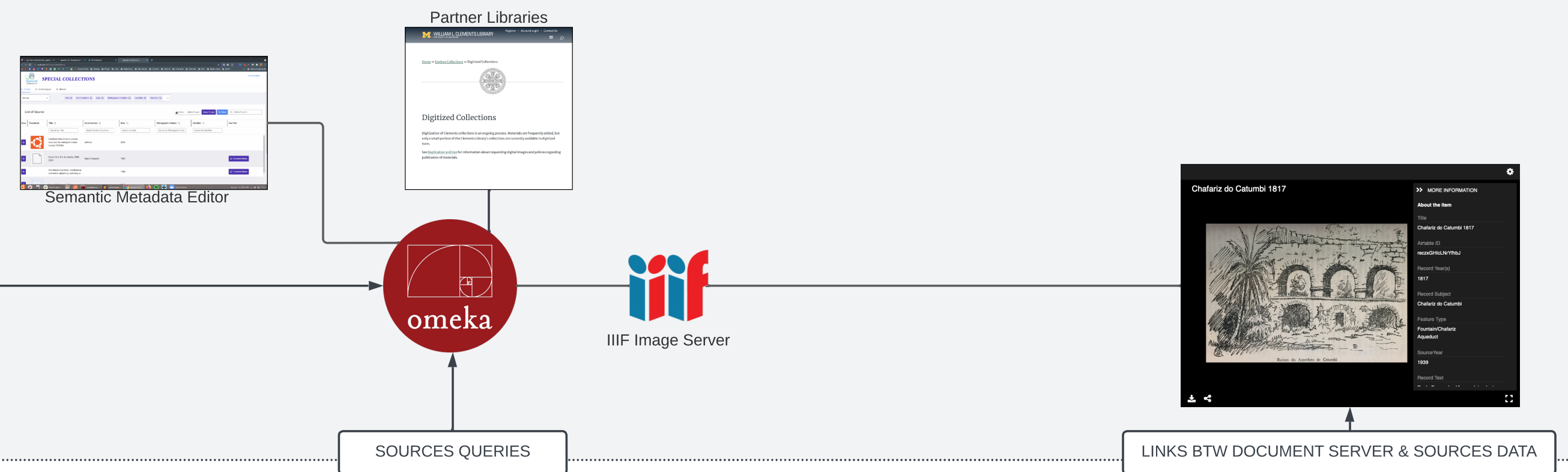
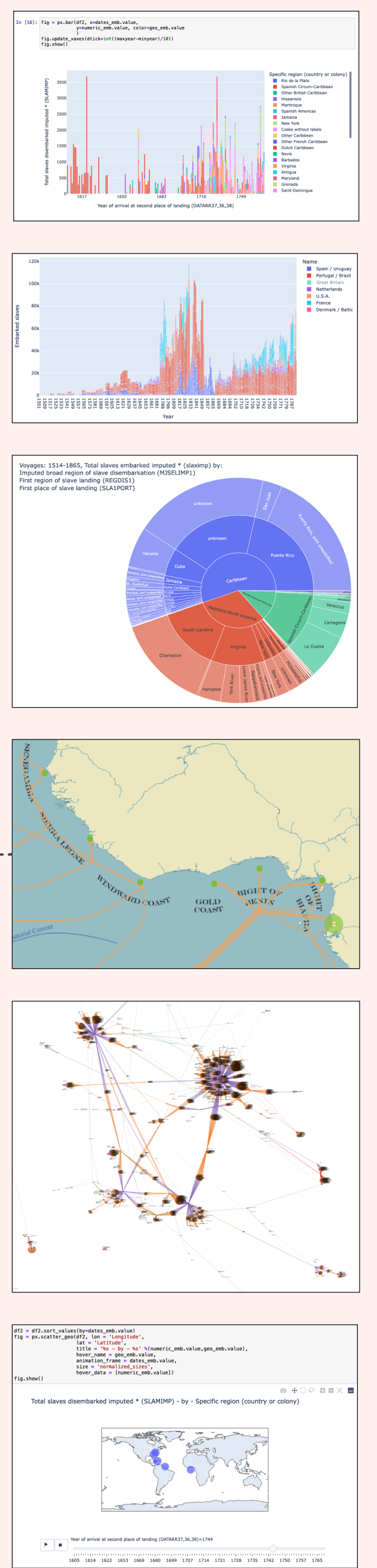
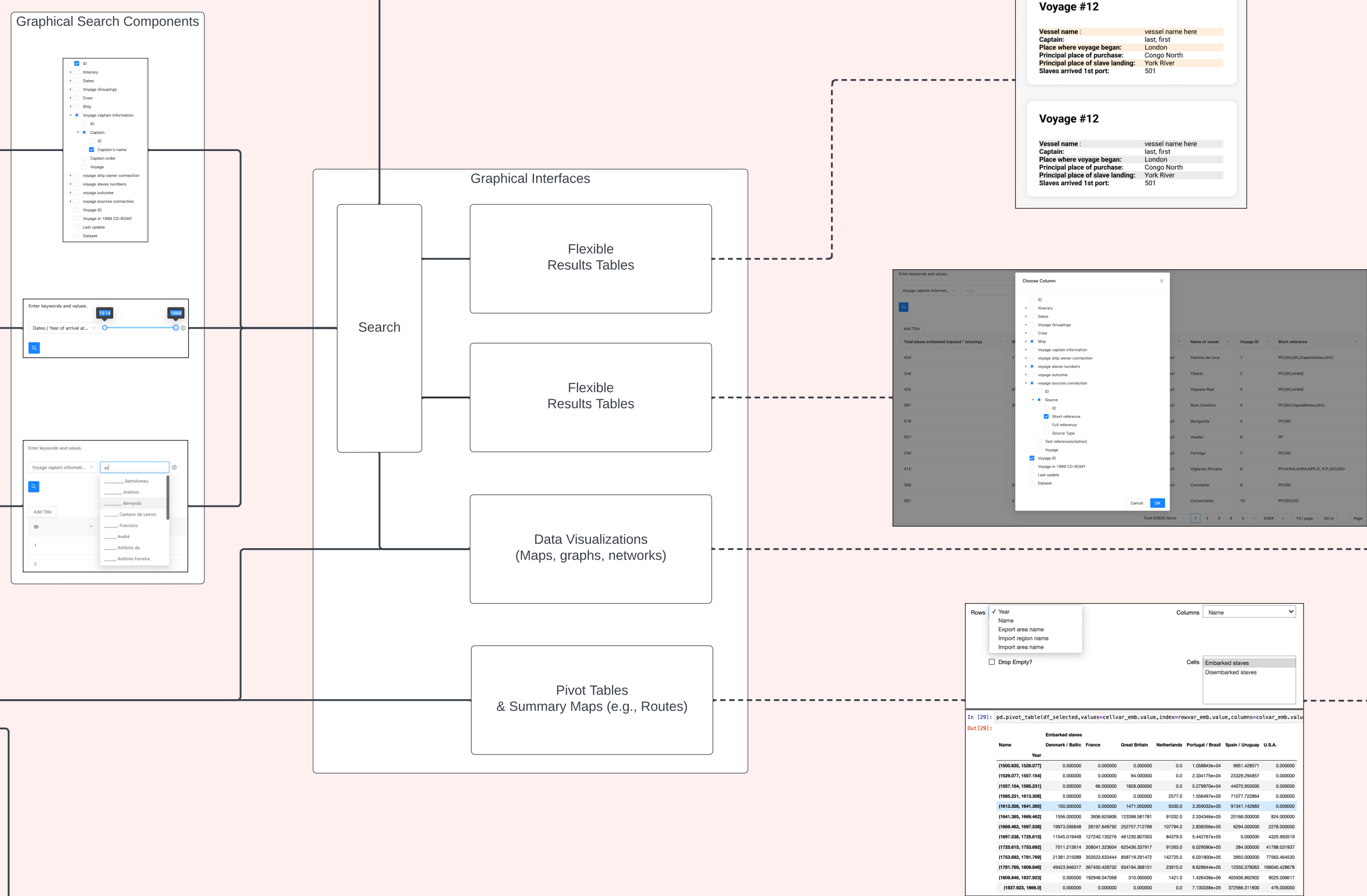


# Voyages Future State (Based on JCM's API)

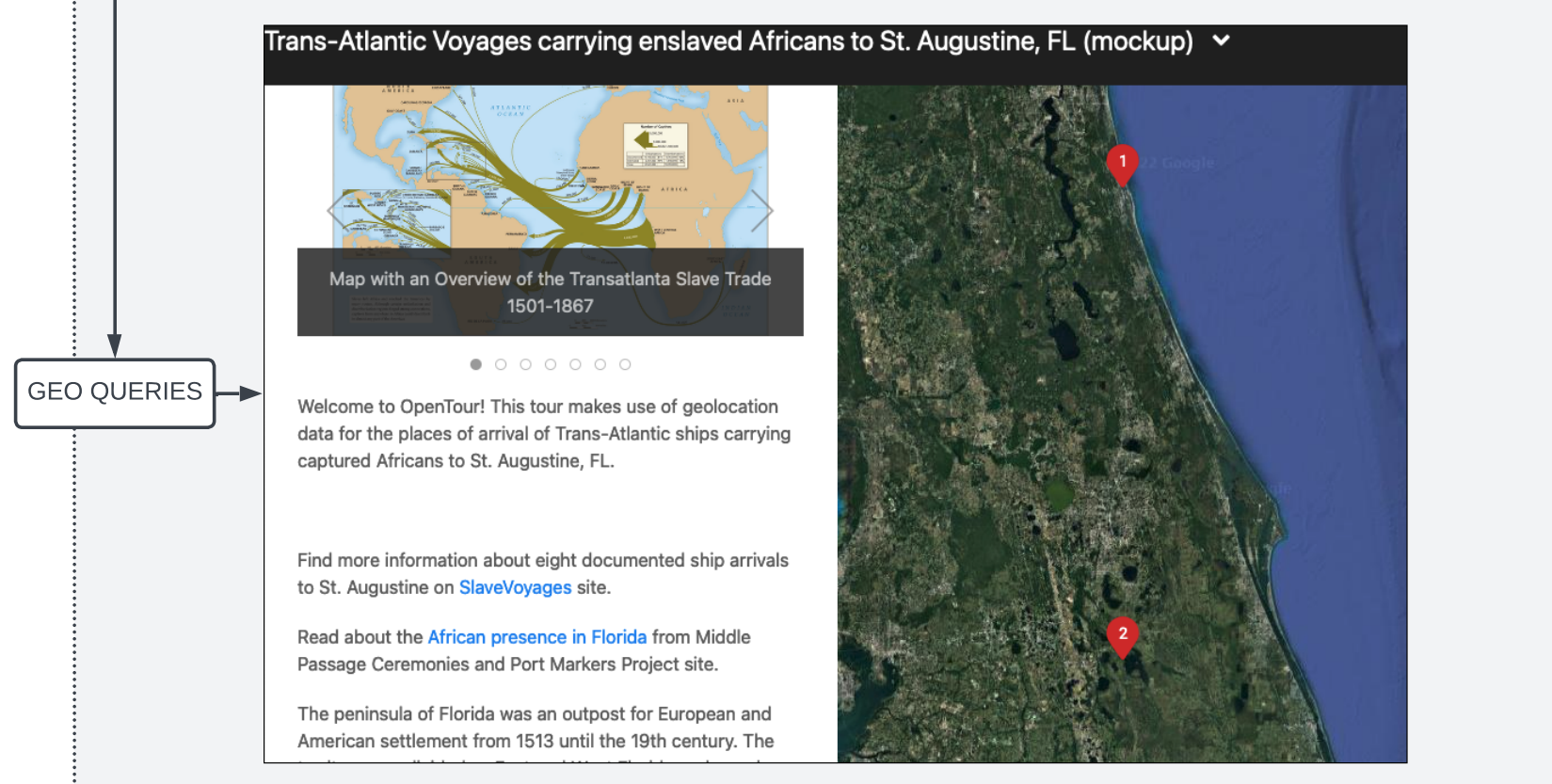
## EXTERNAL SERVICE EXAMPLE #1: DOCUMENTS SERVER (NEH/AHRC GRANT)



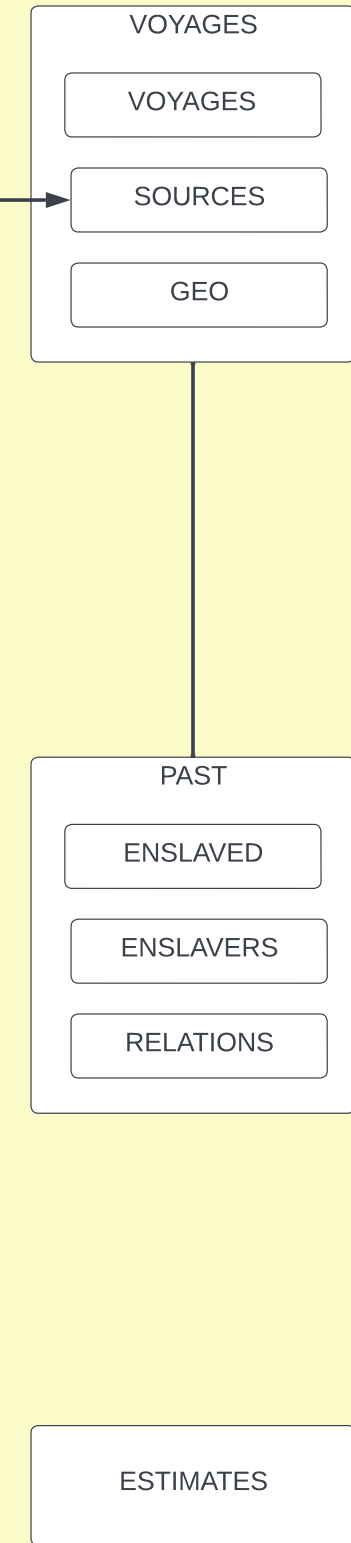
## FRONT-END WEB APP LAYER



## EXTERNAL SERVICE EXAMPLE #2: STORYMAPS



## DATABASE LAYER



## DJANGO API LAYER



## PYTHON FLASK

GROUPING FUNCTIONS  
LOADS INDEXED ITEMS INTO PANDAS DATAFRAMES & PERFORMS COMPLEX STATISTICAL OPERATIONS (VERY FAST -- e.g., the sums of people transported from every port to every other port for all years < 1s)

ALL FUNCTIONS WORK ON ALL ENDPOINTS