Part 1 Assignment Report

Group Name: Promise
Group Members: Ze Yu, Lijia Liu, Kaihang Zhu

Member	Main Task	Other Contributions
Ze Yu	Member 1: socket.io, nodeJS server, the chat/annotation interface	Router configuration, Dynamically news display, Logic service design.
Kaihang Zhu	Member 2: service worker, MongoDB	
Lijia Liu	Member 3: IndexedDb, Axios communication, Swagger documentation	

GitHub Repository: https://github.com/Maxyz123/promise

=Features by Member 1 Ze Yu=

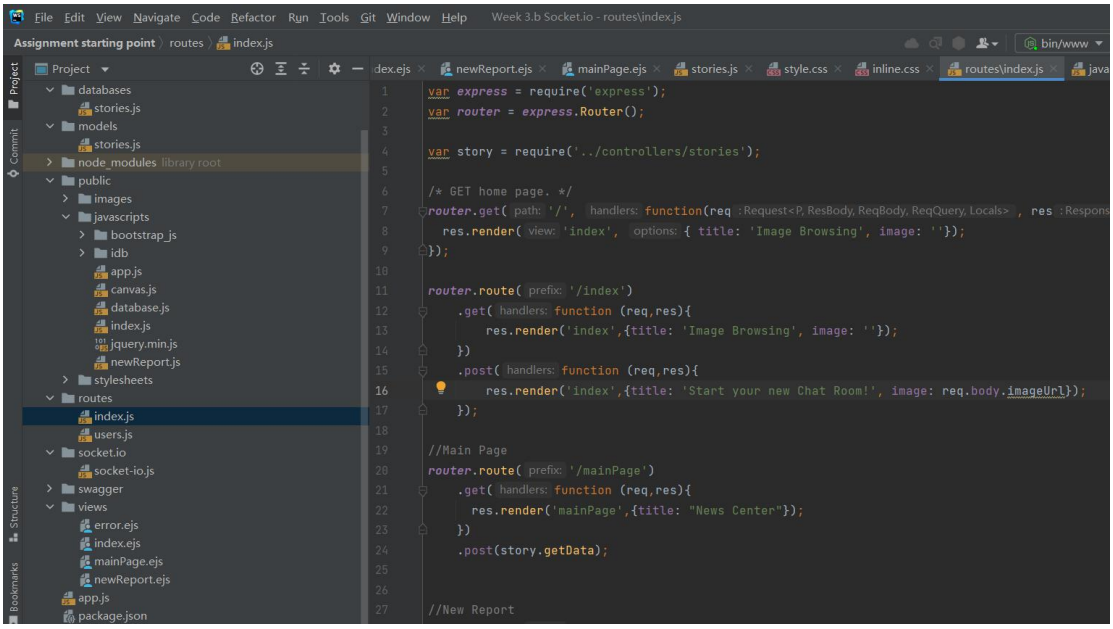
1. Socket.io

Chat Room Socket

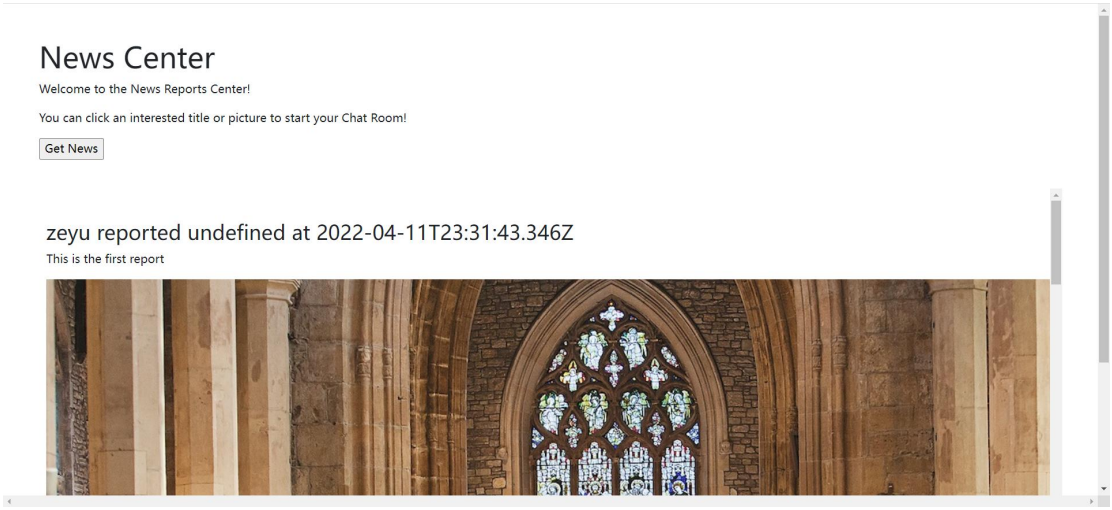
Sync Annotation socket

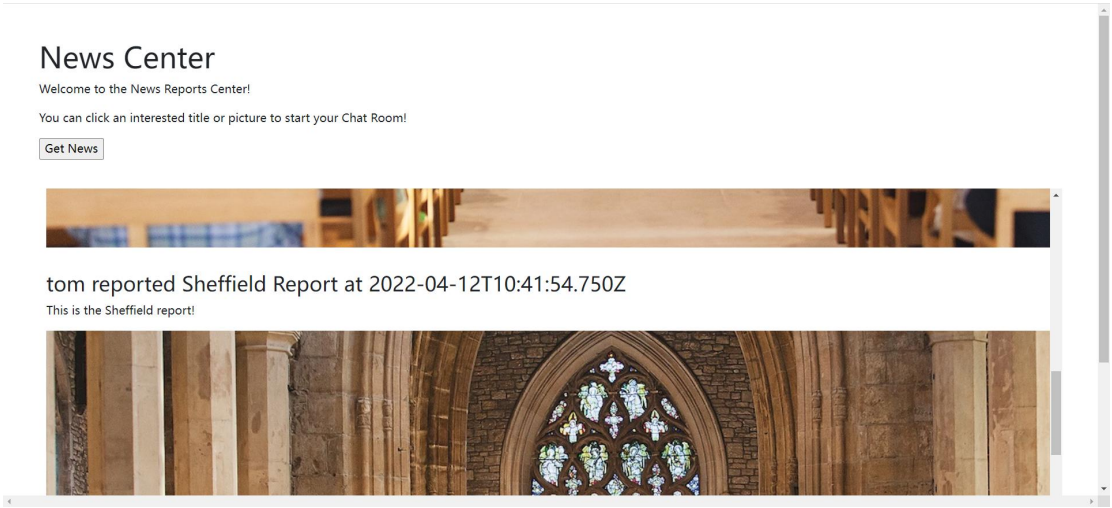
Searching result sync through socket

2. Node JS Server

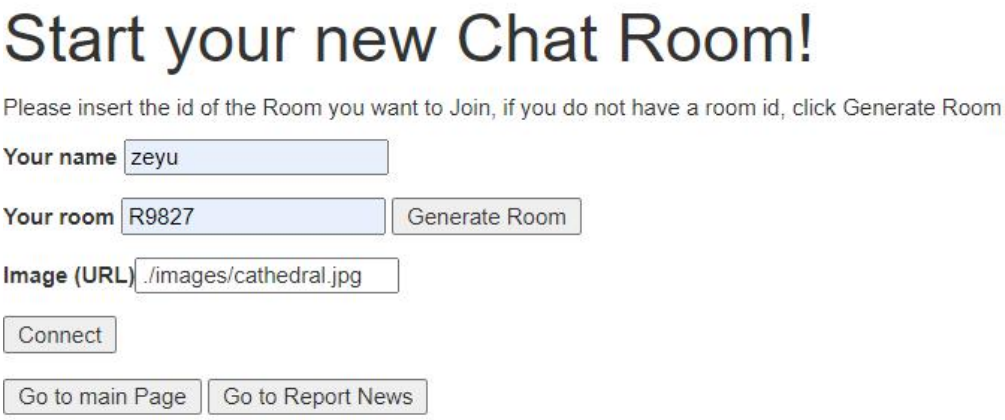


Router Configuration



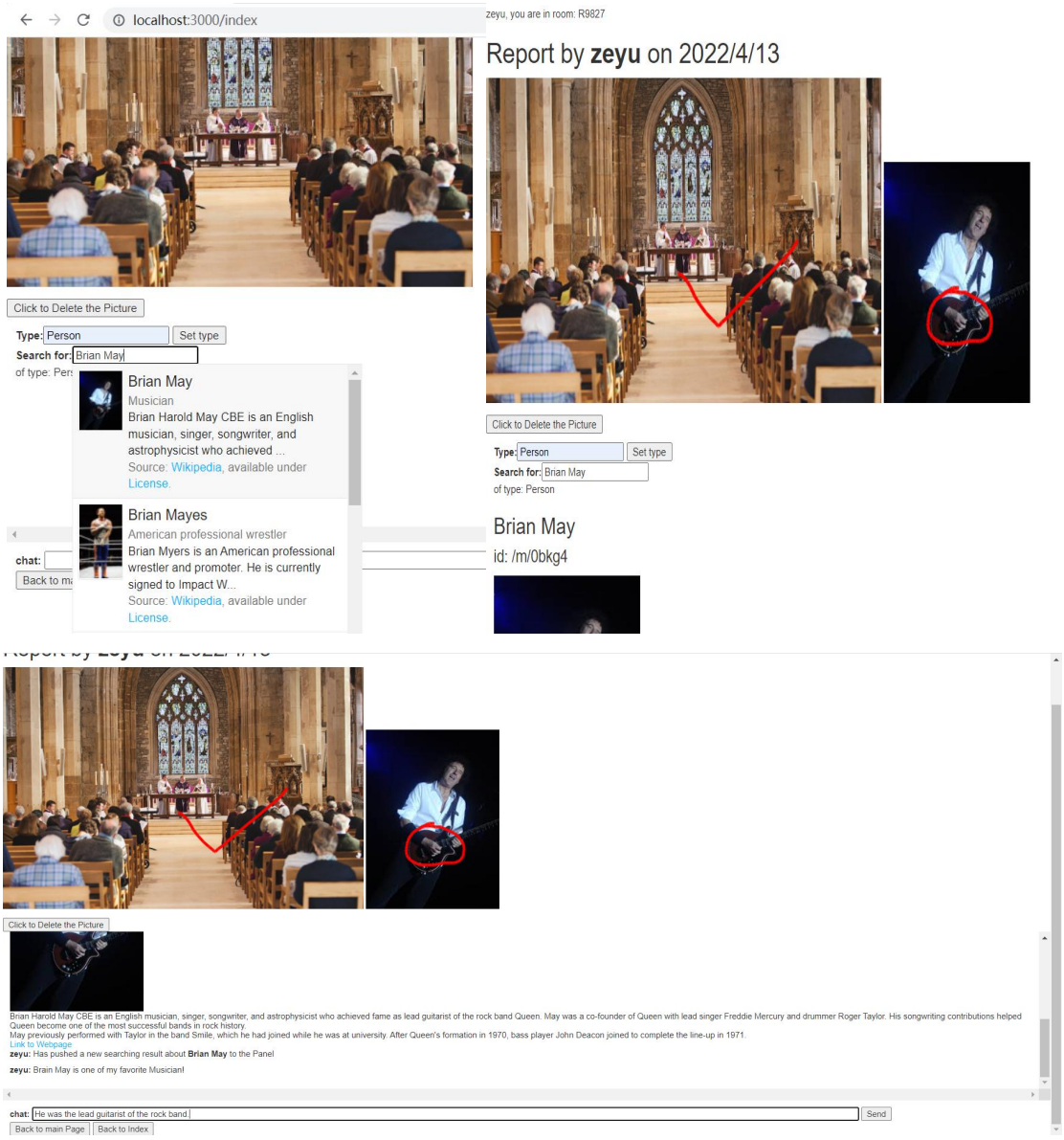


Dynamically Get new Reports



Pass the parameters between Pages for convenience

3. Chat/Annotation Interface and Knowledge Graph

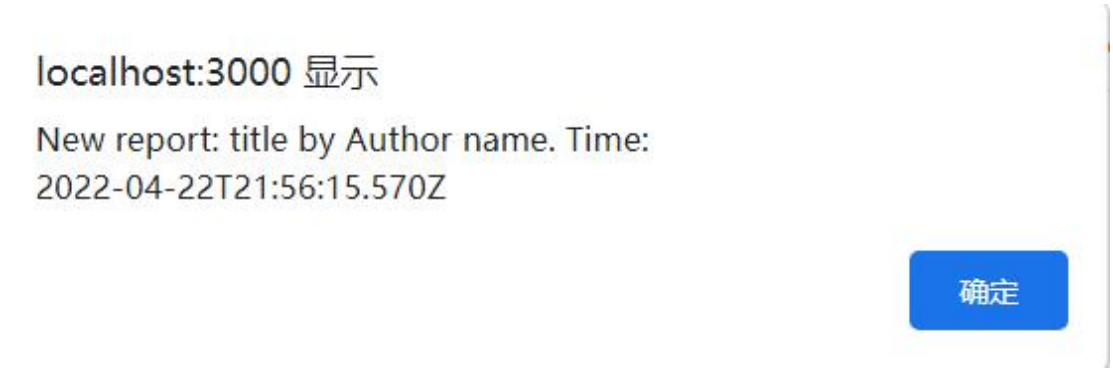


Screen shot of the Chat Room and Utilization of the Knowledge Graph

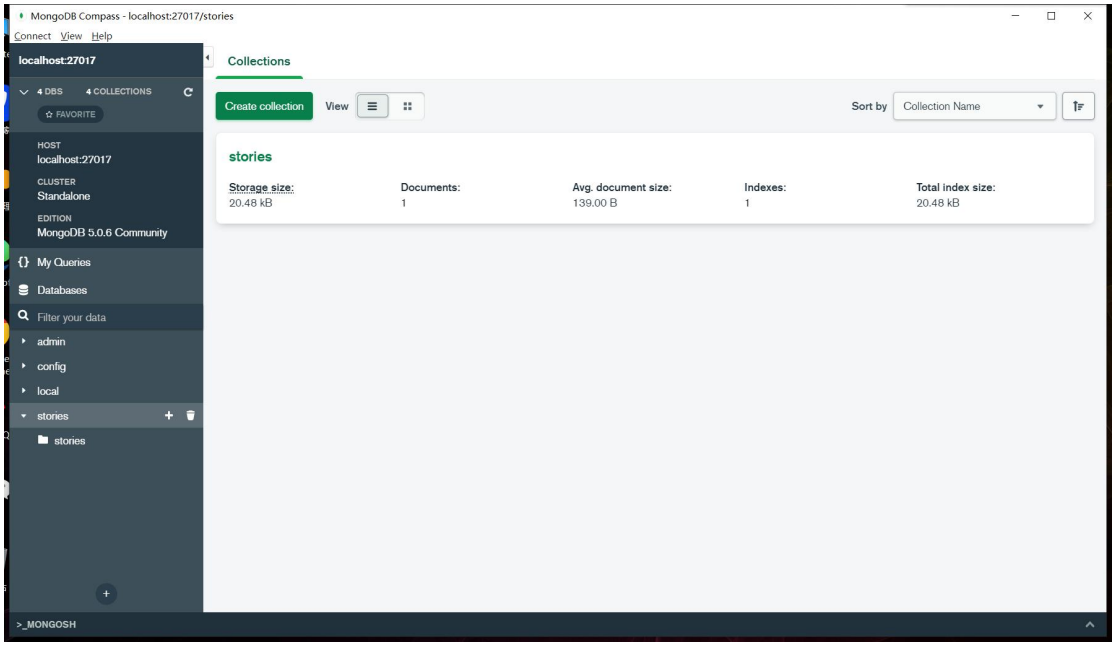
=Features by Member 2 Kaihang Zhu=

MongoDB

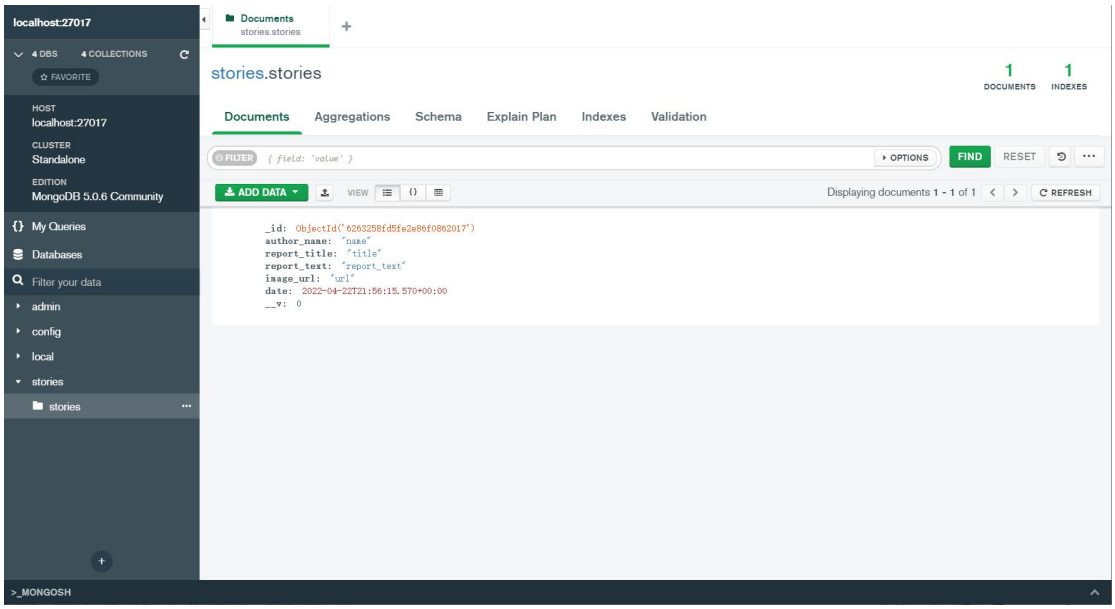
Store new story information into MongoDB database



Notice of upload data successfully



A database named stories will be created if there is none

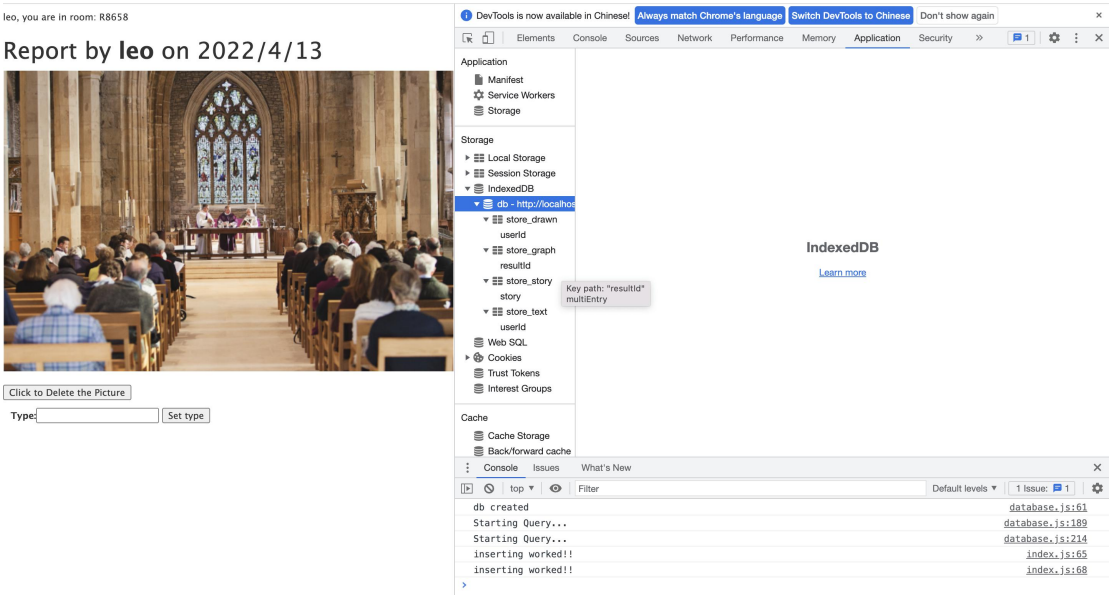


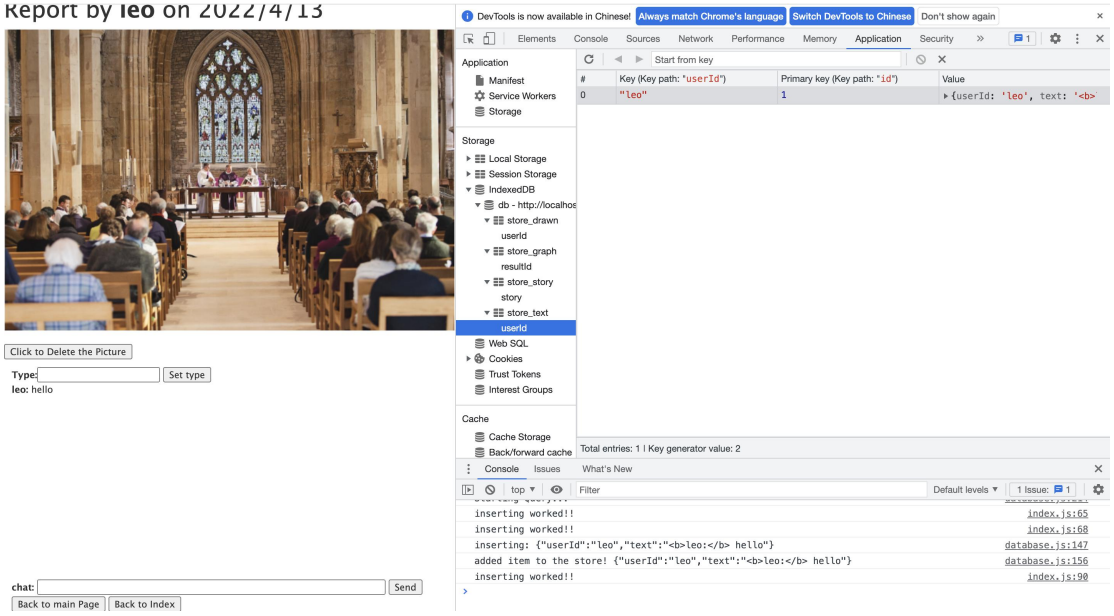
The data added into the database

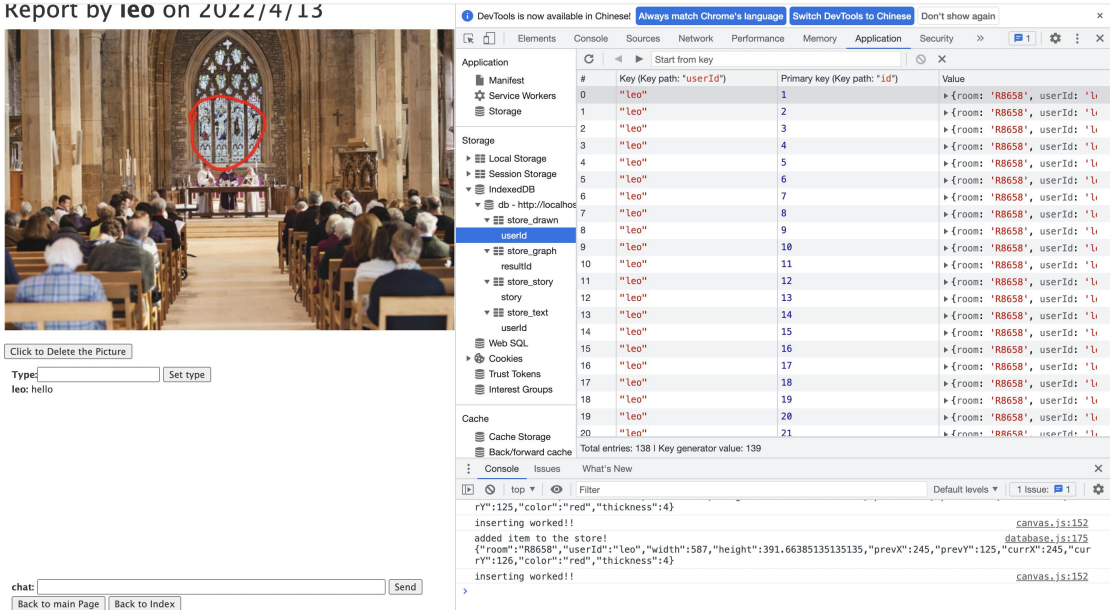
Press “Get News” button to get stories

=Features by Member 3 Lijia Liu=

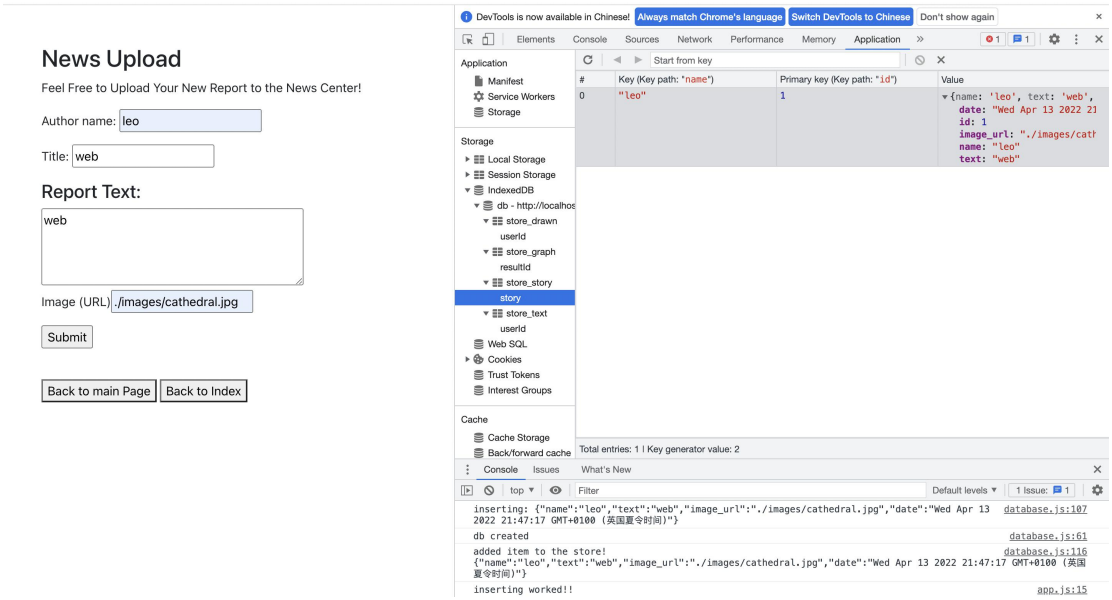
IndexedDB



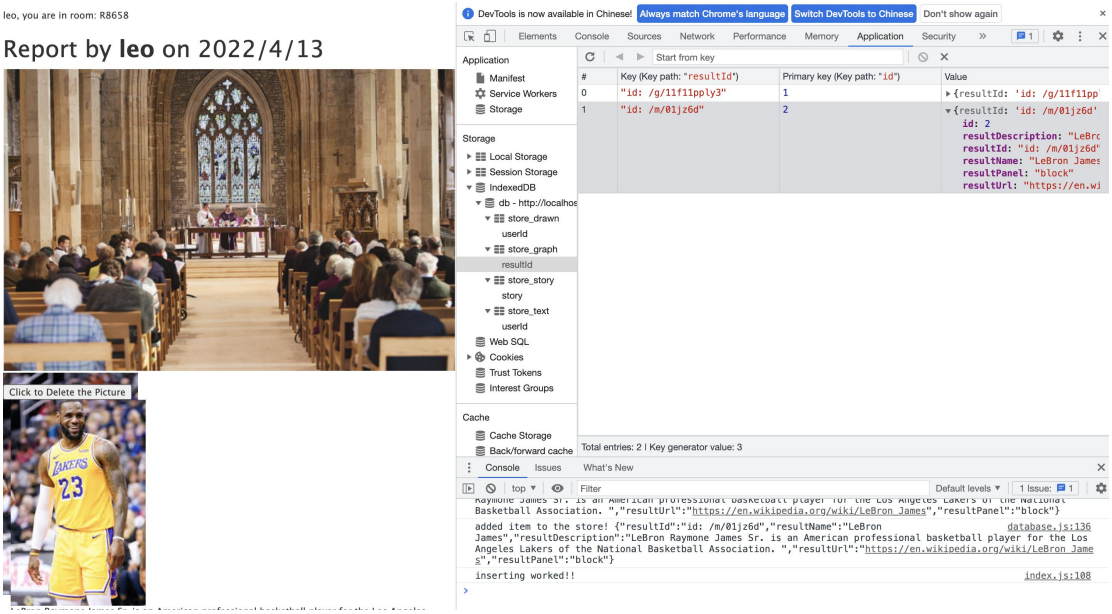




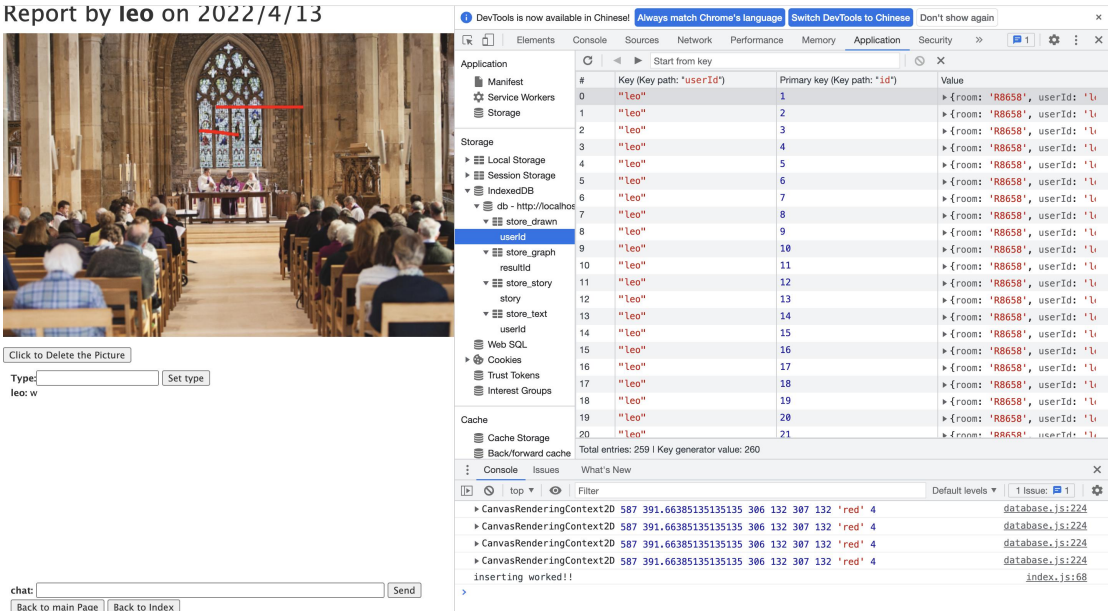
The annotations have been cached



The whole story inclusive of image, text, title, etc have been cached



The Knowledge Graph have been cached



When the user comes back to a story they have annotated, all the information above will be shown from the cache.