

WikiMedia Stream Monitor Project

Tiffany Cheng

Things done


- Show basic info and some details per entry
- Pagenation
- Filter stream by various aspects
 - o Preserve filter control with marks
- Mark seen

Future Improvement

1. UI could change to using Real Stream with Observable, Subscribe and Rxjs
 - a. Currently, using python in the backend to fetch 100 records at a time and take down the last_id for future requests.
 - b. If change to user the live streaming directly from <https://stream.wikimedia.org/v2/stream/recentchange> backend might not be required.
2. In order to track the changes offline, I will change the backend DB from json file into PostgreSQL DB and use the Python Flask with SQLAlchemy as ODBC. This proper API server could improve the performance and IO with UI for reading and marking entries easily. Also, a separate microservice can keep running in the backend as a listener to the latest changes upstream. In current implementation, the UI does not require many changes, because it's reading and calling the backend API at the moment. A refresh button could be implemented for UI to request a new batch of entries.
3. The scaling issue is mainly on fetching of the recent changes from the stream.wikimedia API. Need to be careful about the rate limit and retries.
4. For the seen/dealt mark,
 - a. If it's for personal usage, it's better to save it further into cookies.
 - b. If it's sharing between multiple admins/users, we could add as additional attribute in the backend DB to track if someone else has dealt with it.
5. Build docker image to avoid local node and Angular dependencies.
6. Integrated the data with other APIs liftwing and mediawiki.
7. Download the detail of entry as a JSON text file.

Table view of the entry

- ID, Title, User, Domain, Comment, Timestamp, Go to Page button (Title_url)

Id	Title	User	Domain	Viewed
2299808780	Q40399341	Renamerr	www.wikidata.org	
comment: /* wbssetDescription-add:1 uk */ дослідник, [[:tools:quickstatements/#/batch/236566 batch #236566]]				@ 8/22/24, 12:04 AM Go To Page
2299808782	Q54042562	Cewbot	www.wikidata.org	https://www.wikidata.org/wiki/Q40399341

Marked Viewed onClick

Filter fr				
Id	Title	User	Domain	Viewed
55168121	Catégorie:italien	Âncilu bot	fr.wiktionary.org	<input checked="" type="checkbox"/>
2300366216	Q129587691	Mr.Ibrahembot	www.wikidata.org	<input checked="" type="checkbox"/>
55168121	Catégorie:italien	Âncilu bot	fr.wiktionary.org	<input type="checkbox"/>
2300366216	Q129587691	Mr.Ibrahembot	www.wikidata.org	<input type="checkbox"/>
55168121	Catégorie:italien	Âncilu bot	fr.wiktionary.org	<input type="checkbox"/>
Items per page: 5 6 - 10 of 14 < >				

Preserving the filter on pagination

Filter fr				
Id	Title	User	Domain	Viewed
55168121	Catégorie:italien	Âncilu bot	fr.wiktionary.org	<input checked="" type="checkbox"/>
2300366216	Q129587691	Mr.Ibrahembot	www.wikidata.org	<input checked="" type="checkbox"/>
55168121	Catégorie:italien	Âncilu bot	fr.wiktionary.org	<input type="checkbox"/>
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Items per page: 5 11 - 14 of 14 < >				

Change of Tab Icon

