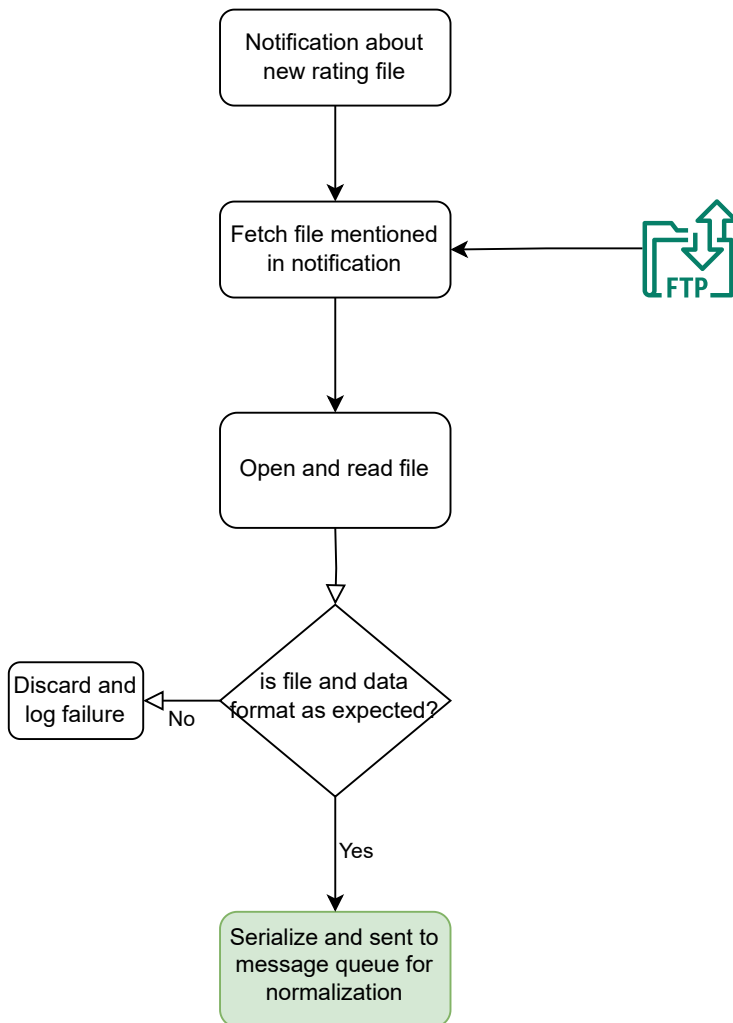


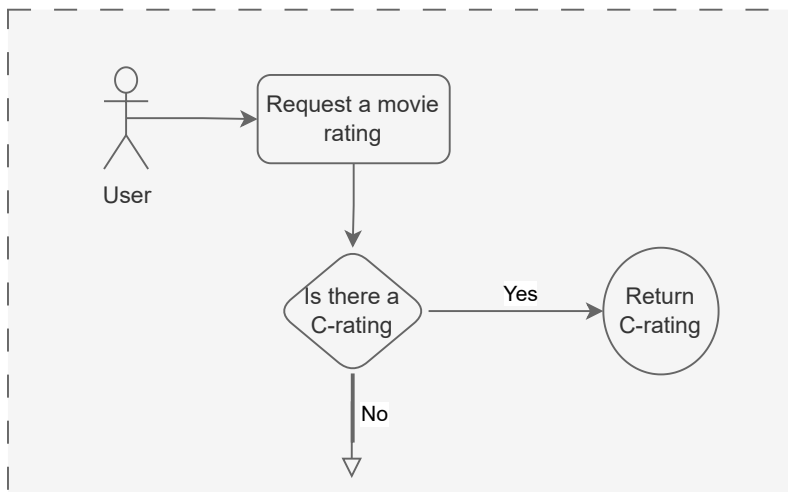
## Periodic Data Fetching from Offline Feed

A cron job is triggering the fetching from the FTP server. This could also be the source of the first data population of our system.



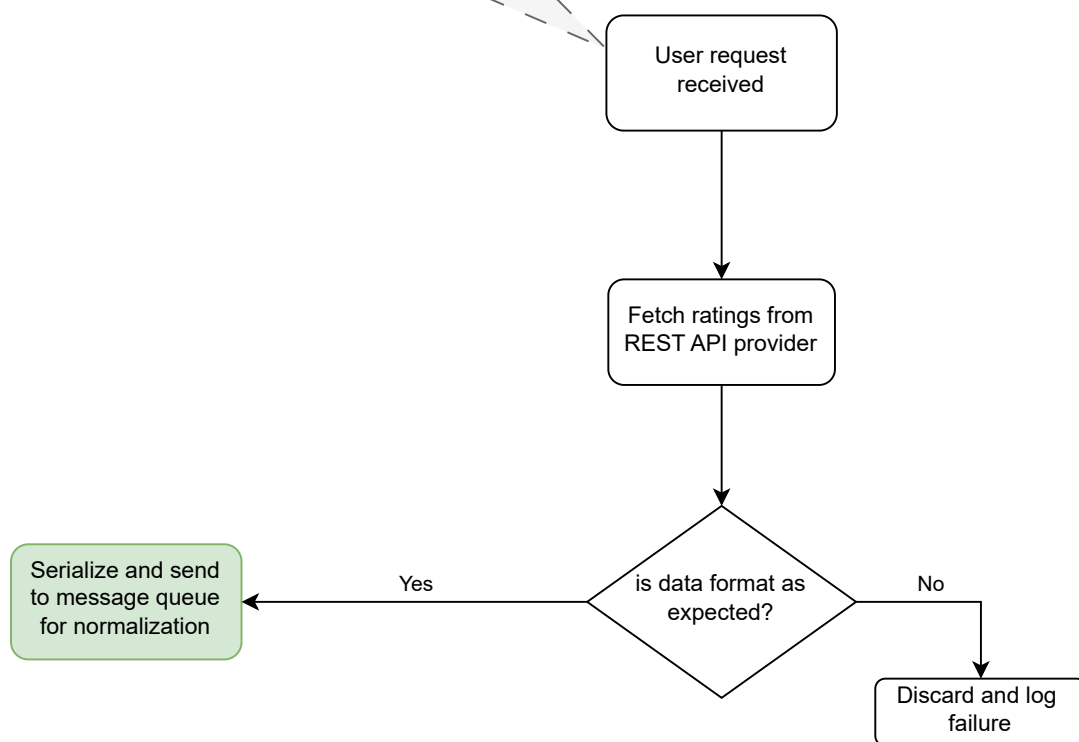
## Online feed

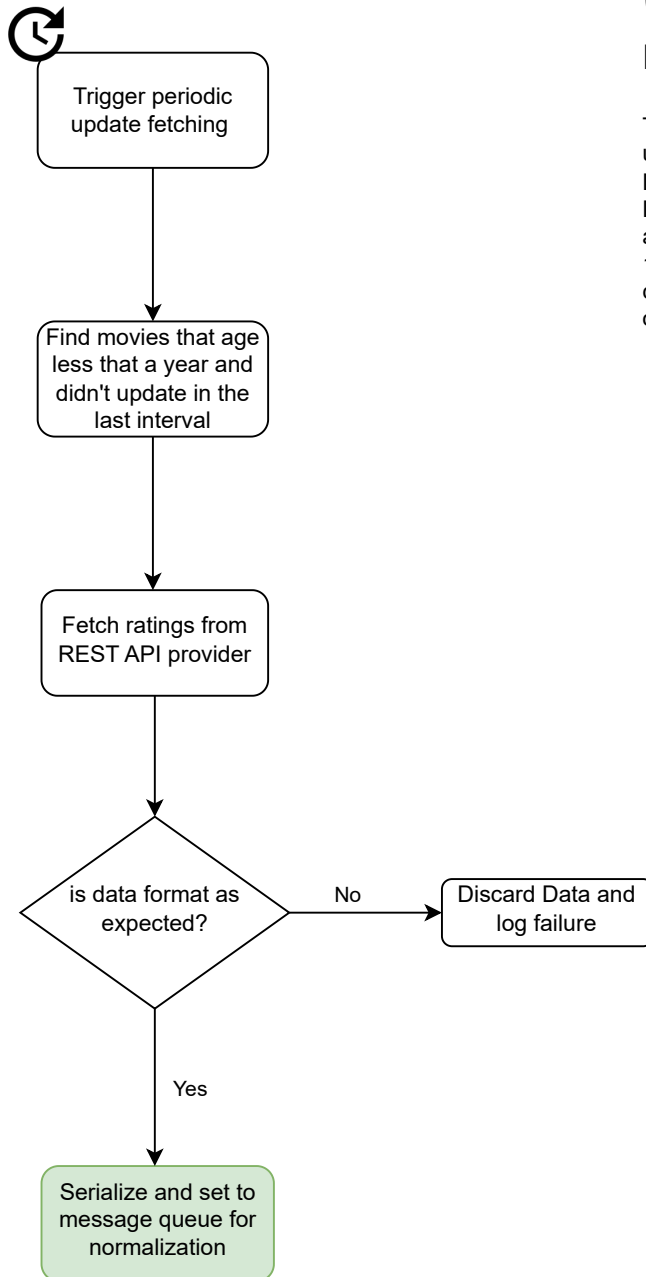
The fetching here is based on an RSS feed (or equivalent) and is based on an assumption that our system will be notified upon updates.



## Fetch upon user request

In order to generate more value, user requests for movies that haven't been processed yet will be taken into concentration. The request will be processed asynchronously and the user will be informed that their request is pending.





## Updates of new movies.

This is a periodic fetching of updates of existing movies in the DB. It requires interaction with the DB and is based on the assumption that new movies (< 1year old) will have their ratings change radically within the course of on year.

## Populate Normalized DB

To populate the DB with the data from the providers, we must first normalize the data, as well as deduplicate and provide a common movie id. When a new entry is confirmed, we can also check for missing providers of the same movie and trigger API requests.

