



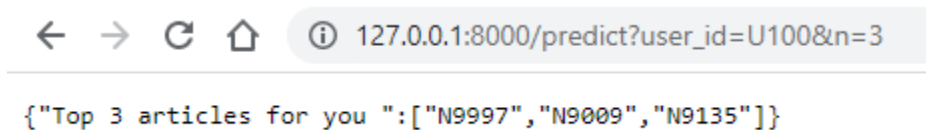
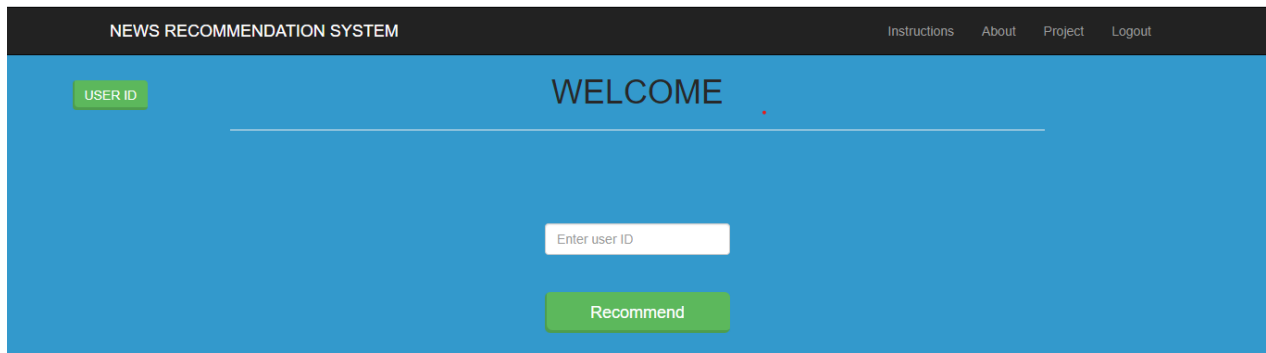
ITI AI PRO Graduation Project

New Feed Summarization and Recommendation Report

December 12th, 2021

1. Initial design and flow of the web portal:

- Concerning the recommender system, we will be dealing with 2 libraries: Matrix Factorization library and Surprise library.
- The user insert his id and then he will be redirected to the top n-recommended articles according to his preferences and history of interest.
- We will be dealing with 2 modes : recommending articles or sub-categories whereby he can show more articles under such sub-category. This will be achieved using a dropdown list.



- The user can select any of these articles and will be directed to the article URL.

API	HTTP Request method	FUNCTION
IP:PORT_NO/	GET	Welcoming Page
IP:PORT_NO/status	GET	Gives info about model
IP:PORT_NO/predict	GET	Get top n-recommended items

2. GIT repository link :

https://github.com/karimhenry/New_feed_Summarization_Recommendation

3. Presentation link :

<https://docs.google.com/presentation/d/1536WLXjunobkA0Jt83VhAaOTKIWGRsUg/edit?usp=sharing&ouid=114999608387157692062&rtpof=true&sd=true>