



thesocialcomment

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This document and the test in it are provided in confidence for the sole purpose to explain the test-task to the Assignee for the sole purpose of testing skills it is between the disclosing party & the receiving party, and should not be disclosed to any third party or used for any other purpose without the express written permission of the disclosing party.

thesocialcomment: Machine Learning Test.

Test Assigner: Mr. Nivesh Singh Chauhan.

Test Assignee: Internshala Aspirants.

Submission Instructions –

1. The tenure of the test is from 2-06-2020 to 5-06-2020. Submit your test on 5-06-2020 by 9:00am.
2. For task, send python notebook link of any of the one Google Colab or Azure Notebook.

Task as Follows:

You have to build a Recommendation System, recommending the items based on the following.

1. Content Based Filtering
2. Collaborative Filtering

End result should be a system that.

- Recommend posts for the given user
- Recommend similar posts for the given post

Dataset Details

There are 3 files.

users.csv	<i>Users dataset containing user's details like name, id, gender etc.</i>
posts.csv	<i>Post dataset containing posts details like title category etc.</i>
views.csv	<i>Views dataset contains the mapping which user views which post(s)</i>

Users

- `_id`: a unique alphanumeric id of the user (string)
- `name`: Name of user (string)
- `gender`: Gender of user (male | female)
- `academics`: Education of the use (undergraduate | graduate)

Posts

- `_id`: a unique alphanumeric id of the post (string)
- `title`: Title of the post (string)
- `category`: Category of the post (string)
- `post_type`: Type of the post (blog | artwork | skill | project)

Views

- user_id : a unique alphanumeric id of the user (string)
- post_id : a unique alphanumeric id of the post (string)
- time stamp: timestamp of when user viewed the post (ISO time format)

We are excited to see your performance.

**Do you test properly and if you need any clarification you can Whatsapp us at:
Akshay Mishra – 9898820379.**

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