UCD Final Year Project

Project Name: ACME - Aspect Model Explainerfor Top N Recommendation Student Name: Liu Qihui Student Number: 16206519 Supervisor: Neil Hurley

How to run the program

- 1. You have to start local MongoDB instance 2. Go to the project express-demo directory
- \$ cd FYP-explainableAI/code/express-demo \$ npm install \$ npm run start

3. Visit address http://localhost:3000

1. Create a mongo database called movie in the localhost

4. Upload corresponding csv files located in folder 'data' in sequence:

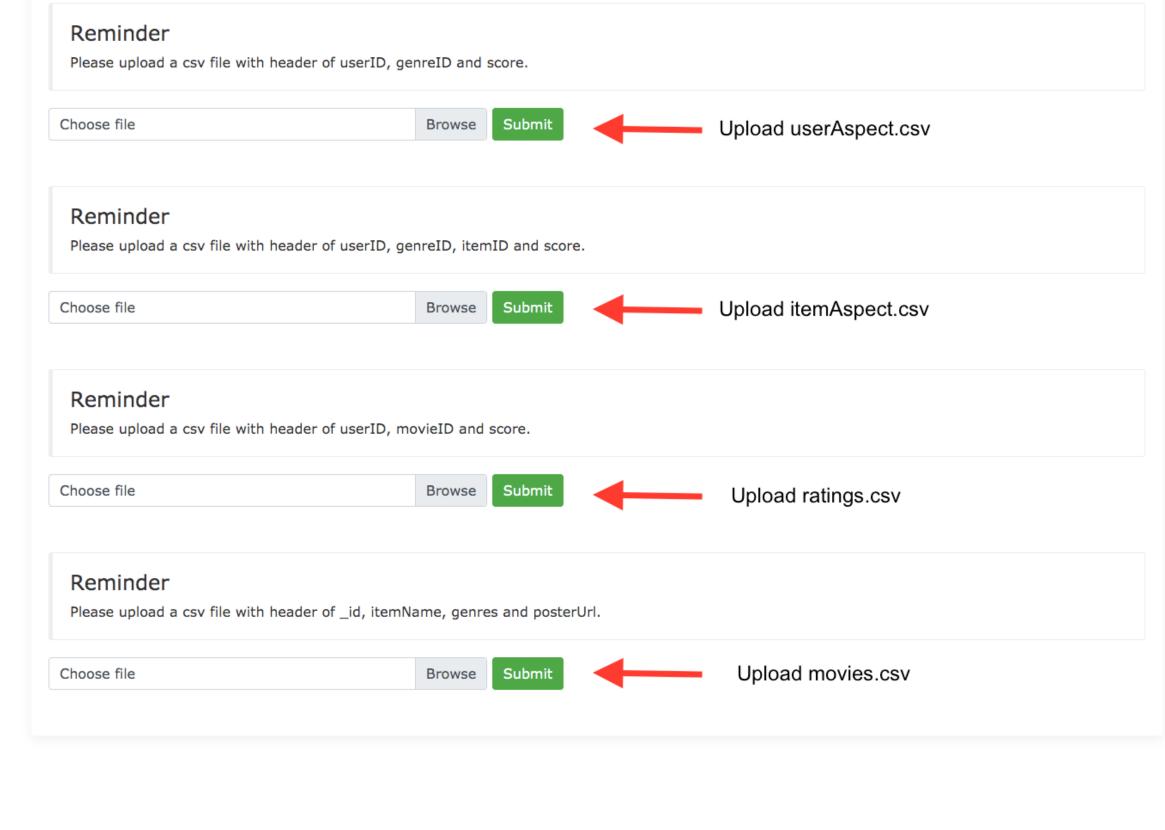
How to build up the database

- 2. Visit address http://localhost:3000
- 3. Click Administration

Administration Survey Explainable AI Submit Please input user ID: from 1 to 943

You may need to wait several minitues to upload the second file. Explainable AI Administration Survey

Click Browse then select corresponding file then click Submit. Wait until an alert box displaying 'success' appears, upload the next file.



How to generate recommendations

Explainable AI

Please input user ID:

1. Visit address http://localhost:3000

User Menu

Enter User ID then click Submit. Explainable AI

Administration Survey Submit Please input user ID: from 1 to 943 2. Click 'Generate my recommendation!" in the right up corner.

Submit

Features Administration Survey

Generate my recommendation! *

generate again!

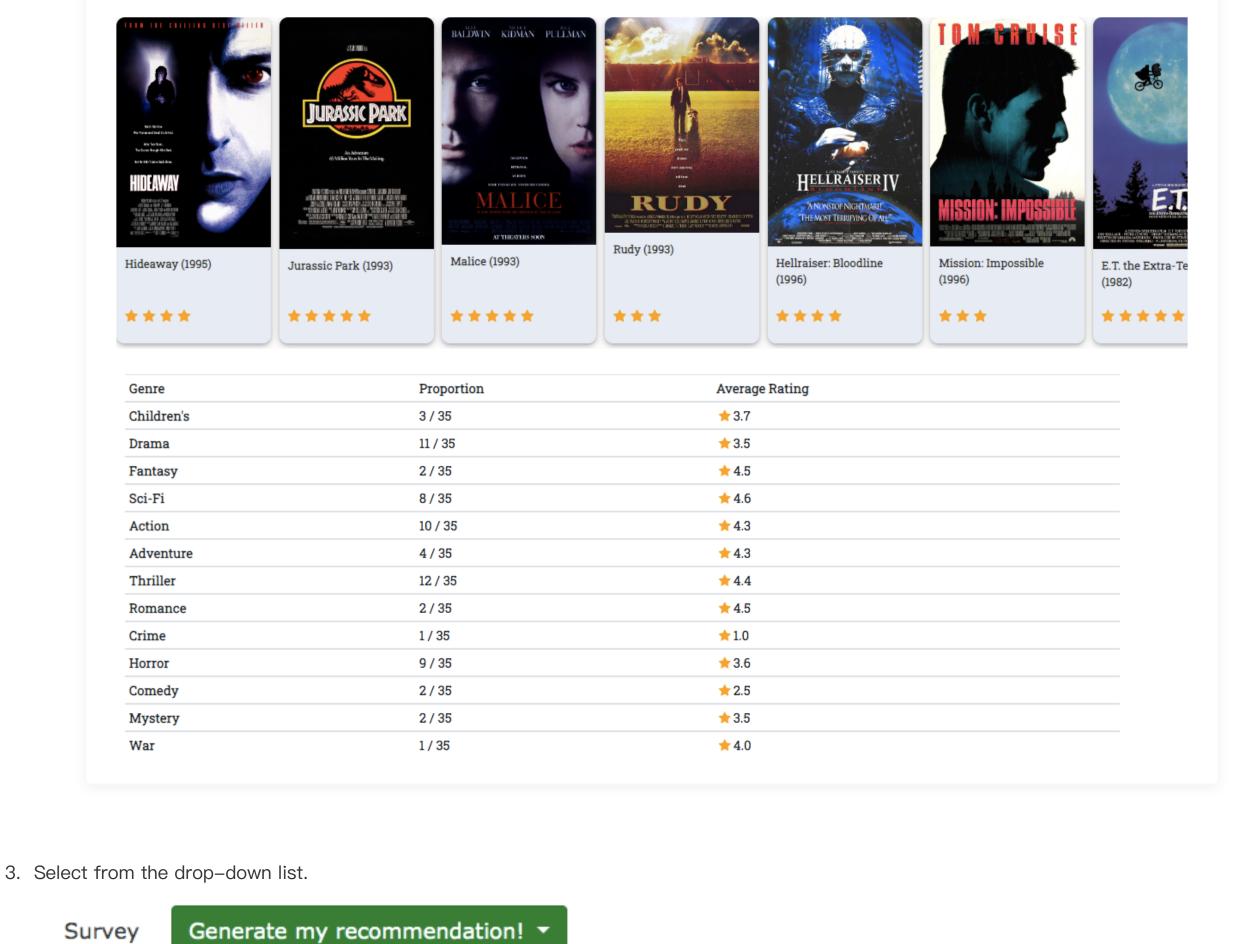
Administration Survey

Administration Survey

Features Enterprise Survey

Action

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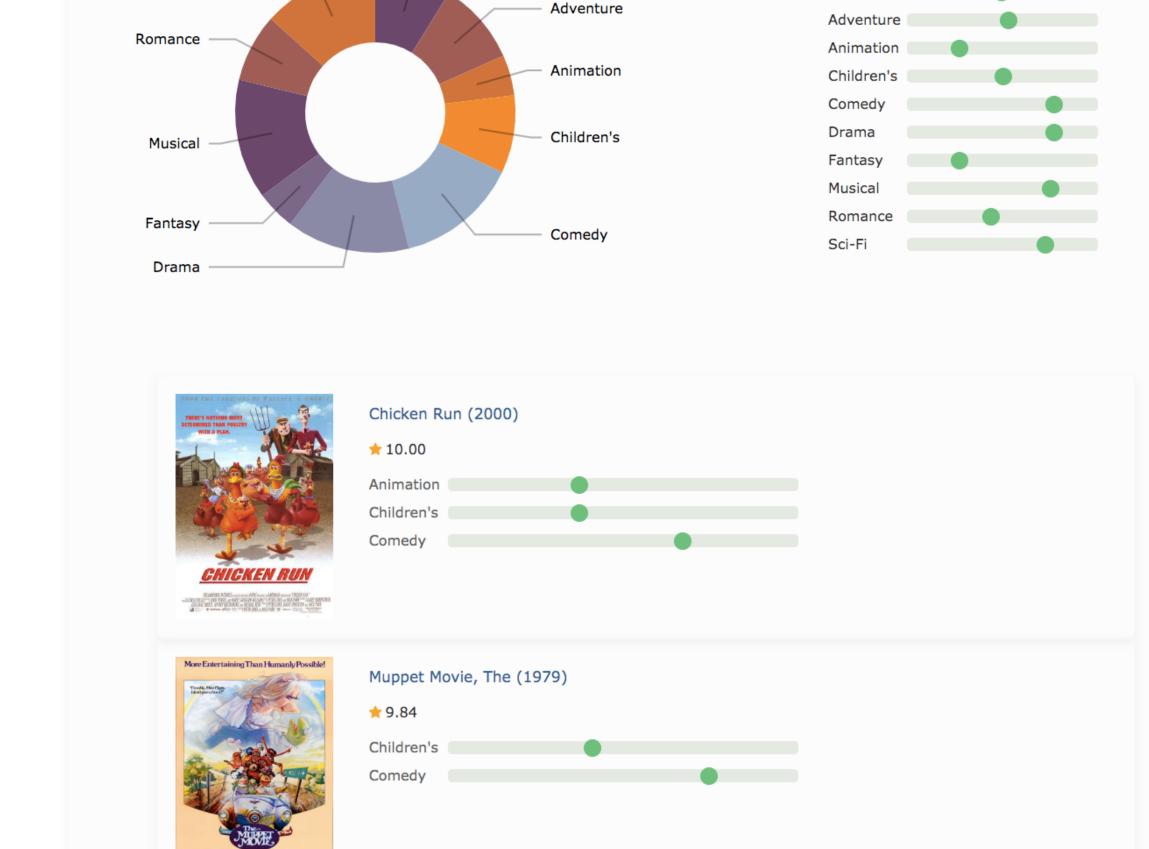
Recommendation with slider explanation 4. The recommendations will be shown.

Sci-Fi

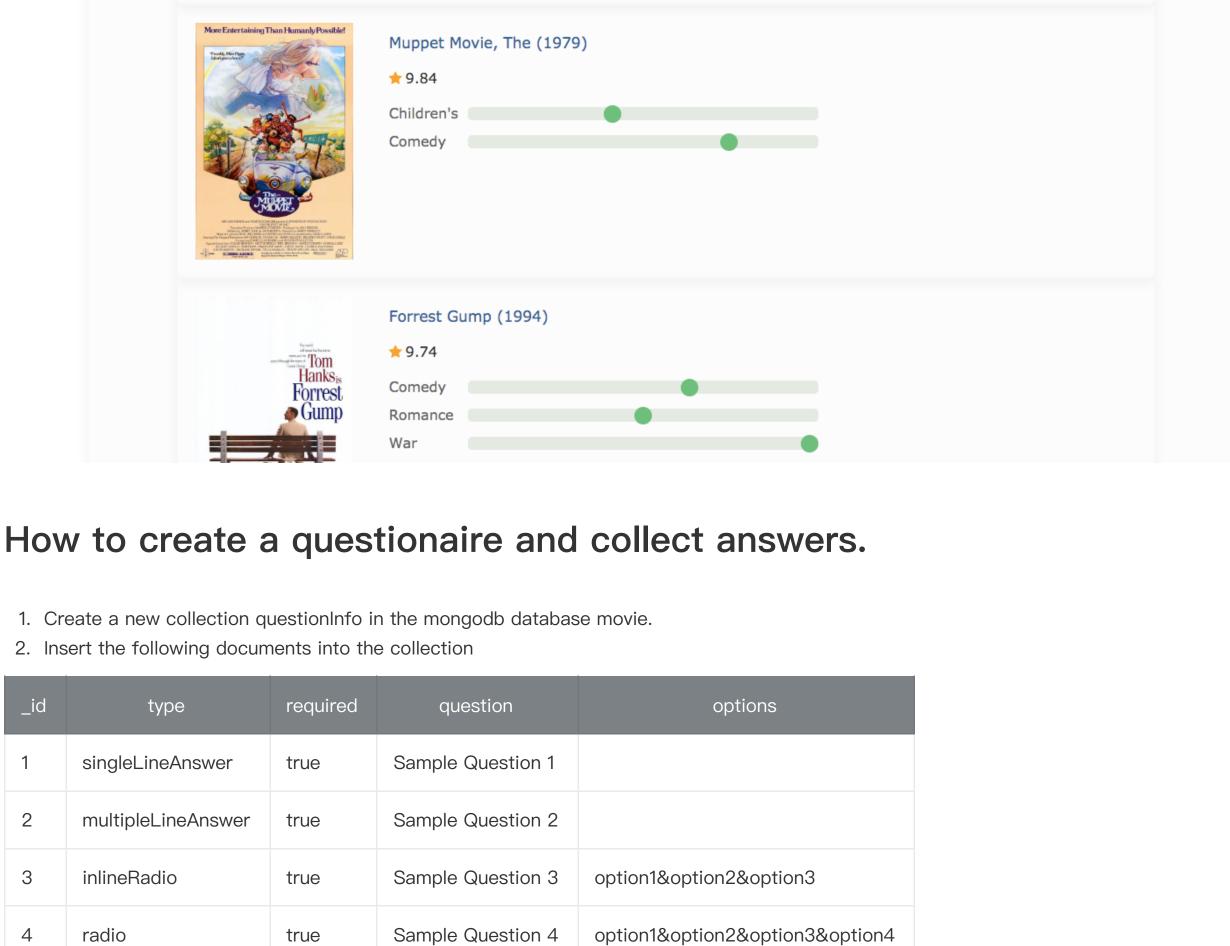
Explainable AI

Recommendation without any explanation

Recommendation with textual explanation



Action



Sample Question 4 4 Sample Question 5 option1&option2&option3&option4 5 radio true



Sample Question 1		
Sample Question 2		
Sample Question 3	○ option1 ○ option2 ○ option3	
Sample Question 4	<pre>option1 option2 option3 haha</pre>	
Sample Question 5	<pre>option1 option2 option3</pre>	

5. After finish the questionaire, click Submit. The answers will be stored in a collection called answerInfo

option4

Submit