

Progress Report – CS 410, Fall 2021

Team Name – RS4

Team Members –

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Project Topic – Free Topic – IntelliReco (An intelligent recommendation system)

1. Progress made thus far
 - **Identified the data source to be used – Amazon Marketplace.**
 - **Crawling of some of the consumer product end URLs was done and text data was extracted from the source.**
 - **Designed the schema for storing data.**
 - **Text data stored in SQLite database to be used for different types of analysis and recommendations which are consumed from our front-end user interface.**
 - **We are in the process of building a single page React application to enable easy user interaction with the system.**
2. Remaining Tasks
 - We plan to complete crawling of 3 Categories of consumer products, viz. Computers and Accessories, TV and Video, and Photography and Videography.
 - We plan to include the first 50 Most Popular items in each Category.
 - If time permits, we might add more categories of consumer products and related items.
 - We are also planning to include Walmart online consumer product data.
 - Perform Data Cleaning steps, if necessary.
 - Recommendations based on search criteria.
 - Perform analysis using the Concepts read in the Classroom videos (Text mining, topic extraction, ranking, cosine similarity, classifiers, etc.) and perform efficient recommendations based on user-entered criteria.
 - To properly display search results.
 - Integration and Bootstrap of all the functionalities for a finished end-user product.
3. Any challenges/issues being faced
 - None.