Task 3: Interface Implementation for User Study

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1 Introduction

This document describes the interface implemented for the user study, accessible via a landing page, facilitating interaction with the cold-start recommender system.

2 Interface Overview

The interface consists of a landing page ('study$_l$anding.html')andthemainstudypage('cold$_s$tart.html').

2.1 Landing Page

The landing page provides: - A link to download PDFs for Task 1 and Task 2. - A "Start Study" button redirecting to the study interface, initiating group assignment via 'start$_s$tudy'.

2.2 Study Interface

- **Cold-Start Page**: Displays 10 initial movies with rating stars (0.5-5). For the experimental group, explanations are shown (e.g., genre-based feedback). - **Progress**: A progress bar tracks ratings (minimum 5 required). - **Recommendations**: After 5 ratings, recommendations appear automatically in non-study mode or via a button in study mode. - **Navigation**: "Load More Movies" fetches additional sets; study mode includes "Get Recommendations and Continue" to proceed to the survey.

3 Technical Implementation

Built using Django, with HTML/CSS/JavaScript for the front end. The backend uses NMF for recommendations, with data managed via pandas and served through JSON responses.

4 User Flow

1. Access landing page. 2. Start study, assigned to experimental or control group. 3. Rate movies, view recommendations, and (if study) complete a survey.