Bee-Roll
Group 35's Project Charter

Team Members:

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2. Artemii Akhunov
3. Denis Kilseev
4. Sreekar Tiruchunapally

Problem Statement:

In the realm of social media, a dedicated platform for movie enthusiasts seeking to share their thoughts doesn't exist. We aim to create a space where users can share their viewing experiences, while offering typical features of social media (engagement through comments, reactions, follows, and suggestions). Unlike general platforms, our service employs an AI model to recommend similar content based on users' watch history and watchlists, enhancing the users overall experience. This unique combination of user interaction, specialized content sharing, and personalized recommendations positions us as the go to social hub for movie enthusiasts, filling a current void in the current social media landscape.

Project Objectives:

1. Create a "Social Network"-like website where people could post about movies they have watched.
2. We are dedicated to creating a solution where people can interact on a more personal level through comments, likes, follows etc. over the media they all engage in.
3. While we build a social networking site to bring people together, we also provide personalized recommendations for each person that engages with this site based on their watch history and watchlists.
4. Public movie watchlists can be created which can be shared with other people on our platform.
5. Overall, our platform creates a safe interactive environment with an advanced recommendation model while providing a multitude of features making this website stand apart from the several existing platforms of similar objectives.

Stakeholders:

(a) Users: People who want a platform that can be used in order to find and share movies that they enjoy
(b) Developers: Aarna Maheshwari, Artemii Akhunov, Denis Kilseev, Sreekar Tiruchunapally
(c) Project Manager: Yash Narain Agarwal, Project Coordinator
(d) Project Owners: Aarna Maheshwari, Artemii Akhunov, Denis Kilseev, Sreekar Tiruchunapally

Deliverables:

(a) Social network website based on ReactJS for the user interface and utilizes Express.js to implement the RESTful APIs.
(b) Recommendation system based on Python and appropriate ML libraries like Pandas, NumPy, Sklearn, PyTorch, Faiss.
(c) Stable CI/CD pipeline using Jenkins/Git and AWS EC2.
(d) ACID/CRUD transactions on Neo4j, MongoDB, and/or MySQL databases.