



SOFE 3650U: Software Design & Architecture

Project Proposal

Group 10

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Project Title: Movie Knight

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Overview:

This proposal is for the “Movie Knight” software project being completed for the Data Management Systems final project. “Movie Knight” is a program designed to allow users to manage their library of movies, and provides them with useful information related to each title.

Functional Requirements:

The functional requirements that are to be focused on in the design of this project include:

- The program will provide a movie database for personal use
- The user will have the ability to sort a library of downloaded movies through a filter system
- The user will be provided with recommendations based off of a movie title
- Access and manage the movie library at any point of time
- Forward and backward tracking for newly added movies & movies that are removed
- Create statistical chart that displays things such as number of movies, number of movies per genre, etc, in the user’s library
- Update database based on user input and store the associated metadata

Non-Functional Requirements:

The non-functional requirements that are to be focused on in the design of this project include:

- Movie Knight should have the ability to host a large number of user without its performance taking a toll
- Movie Knight should be able to scrape information from online databases
- The database should be responsive and load quickly upon launch
- The database should only provide information that is useful to the user at any given time
- Movie Knight should be able to run on a variety of different operating systems
- Movie Knight must be visually appealing to the user while being simple to navigate