The purpose of the Movie Database:

- Help users to find interesting movies easier
 - ··Allow the user to search movies by typing in the key word of the movie
 - ··Allow the user to search movies by typing in the name of director
 - ··Allow the user to search movies by typing in the name of an actor.
 - ··Allow the user to search movies by typing in the movie's name

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- Help inform the user about popular movies
 - .. Show the rating for each movie.
 - ··Offer a brief description of each movie.
- Simplify existing sites like IMDB and Rotten Tomatoes
- Movies in the database will be movies that we feel would be worth watching(college demographic.)

Movie Database Files college students' need:

Although, there are some movie database online, most of them are not specific to university students. College students are not interested in many movies on those databases and their ratings do not offer much help to college students when choosing movies. Our movie database full-fills this need of college students. Since all of our project's developers are college students, we know what college students would like to watch . Most of the rating is done by college students, so we can give helpful suggestions to college students when they choose a movie.

Useful opportunities:

- Date with friends at home or dorm.
- Spend leisure time with family
- Be used for teaching purposes in class
- Learn foreign language by watching movies

Other benefits:

Show film stills to make the user interface more beautiful and attract user's attention.

Domain Analysis

Domain overview:

The general use of this movie database will be for leisure. It will be tailored to college students who have an interest in movies and will be intended for use in a casual setting. The general user is assumed to have an interest in a wide variety of movies including comedy, drama, independent, horror, along with many others. This site will be an excellent resource for movie aficionados, but it was also serve as a good resource for people who want to find a good movie to watch or who are just looking to kill some time. The movie rankings will be from the creators' (Team 2) point of view, but the user will be allowed to leave reviews/comments on the

movies, actors, and directors, allowing them to share their opinions and collaborate with other users.

Glossary of domain-specific terms:

- Director- Generally considered the most important person on a set. The director usually, but not always, has the clearest vision of the final product, is in charge of the actors and technicians, and often has a say in both the pre- and post-production aspects of filmmaking.
- **Editor-** In motion picture production, the person responsible for editing a film. The editor mainly works behind the scenes of a film, Although the success or failure of the production is largely due to the quality of the editor's work.
- **Independent-** A professional film production resulting in a feature film that is produced mostly or completely outside of the major film studio system.
- **POV-** Stands for "point of view". A camera technique where the camera man using a hand-held camera is in the middle of the scene filming from the point of view of one of the characters. This technique highlights the first person feel of a film.
- **Producer-** The person exercising overall control over the production of a motion picture and holding ultimate responsibility for its success or failure.
- **Script-** A written work made by screenwriters. Scripts can be original works or adaptations from existing pieces of writing. In them, the movement, actions, expression, and dialogues of the characters are also narrated.
- **Sequence-** A number of scenes linked together by time, location, or narrative continuity to form a unified episode in a motion picture.
- Shot- A single continuous take, filmed in a single session from one camera setup.

Users within the domain:

Users of this movie database will have an interest in movies. A typical user will be a college student looking to explore different types of movies and also looking to collaborate and share their opinion with other users.

Customers within the domain:

Although our database will not offer any product for sale, many users of the database will become customers of the movie industry. The general purpose of the website will be to promote movies we find interesting. By sparking the user's interest, we are indirectly encouraging the user to purchase the movies we share.

Domain environment:

Our domain will mainly reside in a social environment. Our website will encourage people to collaborate and share their opinions with each other. Allowing for debate, criticism, and analysis. In that sense, it will also partly reside in a cultural environment. In order to understand the domain, users will need to be familiar with a variety of movies and different techniques used by production teams to produce successful movies.

Tasks and procedures performed within the environment:

- Communicating or collaborating with other users
- Ability to share opinions and provide feedback

- Expression of taste through detailed analysis
- Thoughtful discussion

Requirements

Functional Requirements:

Index.xhtml

The index page will have:

- Web site Title in the header
- Text box for entering the search words
- Search button

The <u>text box</u> will be where users input the text that will be searched for. The search will be constrained by what is chosen in the combo box. The input text box will accept movies, directors, actors, and keywords.

The user will choose a constraint in the combo box. Once this is done they will input text into the text box. If no text is put in the text box and the search button is pushed all of the movies, directors and actors will show up for the user to choose.

The <u>search button</u> will be the button users press when a search is to be done. If text is in the text box the button will execute an action method. The action method will search the database for data in the form of movies, actors, or directors that relate to the text.

Search.xhtml

The search results page will have:

- Title header
- Search results

The <u>search results</u> will be shown below the title header. These results will relate to what the user input on the index page. The results will depend on what the user searches for. When the user chooses to input a keyword multiple actors, directors, or movies will show up depending on relatedness to the keyword. If no results were found the user will be informed that no results have been found in the database. If results are found they will be shown in the form of links. The links, when clicked, will direct the user to the page corresponding to the link. If the link pertains to a movie and the link is clicked a page for that specific movie will be shown. If the link pertains to an actor or director the user will be directed to the person page.

MovieDetails.xhtml

The movie details page will have:

- Title header
- Picture of movie
- Synopsis of movie
- MPAA rating
- Website rating
- Awards

- List of Actors
- Director
- Duration
- Genre
- Submit button

When a movie link is chosen for a movie the movie details page will be displayed. The <u>website</u> rating will be chosen by the implementors of the page. A <u>list of actors and a director</u> will be shown as links that directs to that specific actor or director page.

MovieIndex.xhtml

The movie index page will have:

- Movie stills
- Movie names
- Star rating

When a user clicks the Browse movie button the movie index page will be shown. It will contain stills of the movies which are links to the movie details page

ActorIndex.xhtml

The actor index page will have:

- Actor pictures
- Actor names

When the user clicks the Browse Actor button the actor index page will be shown. It will contain pictures of the actors which are also links to the person page.

DirectorIndex.xhtml

The director index page will have:

- Director pictures
- Director names

When the user clicks the Browse Director button the director index page will be shown. It will contain pictures of the directors which are also links to the person page.

Person.xhtml

The actor/director detail page will have:

- Title Header
- Name of actor/director
- Picture
- Biography
- Awards
- List of Movies acted in or directed

When an actor or director link is chosen from the search results page or movie details page it will direct to the person page.

• The list of movies acted in and/or directed will be links that the user will click to navigate to other movie detail pages.

Platform Requirements

The hardware being used is the Netbeans IDE using the Java Server Faces framework. Subversion will be used as the repository for the project. There will be no constraints on what operating system will be used and the program will run on Mozilla Firefox web browser.

Process Requirements

The development methodology being used will be in this order:

- Create Database
- Set up simple index page that will display search results from the database
- Actor/director and movie detail pages will be created
- Database will be connected to detail pages
- Links from search pages and detail pages will be connected for navigation

The delivery date will be Friday, 14 December 2012.

There will be no cost involved in the creating of this project unless time is considered a cost.

Quality Requirements

The software being created will be of use to users who would like to search for movies that pertain to a college audience. This differs from traditional movie databases like IMDB and Rotten Tomatoes as the web application is for a niche market. College students looking for a movie to watch and people who would like to find out about particular movies. This will also be of value for people trying to look up a certain actor or director as the user will be able to see a biography and what the actor/director has acted in or directed.

Use Cases

Use Cases:

Use Case(1): Search a movie title

- 1. On our Index page user enters desired movie title into text area, select 'movie' in drop down box.
 - program brings you to our search results page.
- 2. Once user has located correct movie, click the movie link.
 - program brings you to movie details page.
- 3. Movie details has all necessary movie information including directors, actors, and a synopsis. from movie details page, you can click on any link to relevant directors and actors for their personal page.

Use Case(2): Search a person

1. On Index page user enters actor or director name into text area, select actor or director in drop down box.

program brings you to our search results page.

2. Once user finds correct actor or director, click on corresponding link.

program brings you to person details page.

3. Person page contains a short bio of actor/director and relevant movies with links to corresponding movie details pages.

from actor/director page user can click on links to any movies the actor/director has been a part of and will take you to movie details page.