**VidFlixClub Database Project Proposal**

Genesis Taylor

Management Information Systems

Auburn University

**Table of Contents**

Executive Summary 3

Background 4

Problem 4

Solution 4

Technological Details 5

Users Involved In Or Affected By The Project 5

Risk 5

Budget 6

Tentative Schedule 6

# Executive Summary

VidFlixClub is a movie club that originated on Twitter where members discuss movies from streaming sites such as Netflix and Amazon. VidFlixClub would pick a time to tweet about the movies, and while many participated, it became hard for the group to continue. VidFlixClub realized that they needed another platform for their group to thrive. A website dedicated to this group with a backend database and forum has been proposed. The budget needed for this project is nonexistent, as the student will cover all expenses. It has a projected deadline of April 1, 2015.

# Background

VidFlixClub is a movie club that originated on Twitter. It started from many tweeters looking for recommendations for movies on Netflix to watch during downtime. The club grew into a group of people suggesting movies to watch weekly. This group would then discuss and rate those movies. VidFlixClub grew to include Amazon Prime Movies along with Netflix movies as Amazon Prime Movies gained popularity with the group.

# Problem

VidFlixClub would pick a time to tweet about the movies and while many participated, it became hard for the group to continue. It was not a loss of interest that caused them to stop discussing and rating the movies, but the difficulty in doing so became a burden for the group. Tweets would often get lost among the other tweets on each member’s Twitter feed. They attempted to use a hashtag but that did not work because people would get distracted.

Also the timing became an issue for some. It conflicted with the schedules of many tweeters and some simply forgot about it. While those that were present continued on, others were left out of the conversation. There was never a time where the entire group could have a proper discussion of the movies.

Many members lost track of which movies were to be watched. A list was tweeted and some added it to their favorites list and other did not. There were also those who wanted to re-watch past movies that had gotten great reviewss, and those who joined the group late, that wanted to watch the same movies. Neither could be done since there was no permanent list of the movies.

# Solution

What VidFlixClub needed was something that could meet all of their needs in one place. A website where they could access the same discussion without real-time comments suffocating them. VidFlixClub also needed a site that would house a list of past, present, and future movies for the club to watch. They wanted a site that could separate their movies by the week, genre, and streaming service.

What is proposed here is a website that can meet these needs. The website will host a forum for the club members to discuss the movies and it will also host a database to house the lists that the club requires. The lists will be structured in a way so that the users of the site can view the movies by streaming service, which will include Netflix and Amazon, week it was suggested, genre, or rating, which would be pulled from forum polling.

# Technological Details

The website will include a number of technologies used to make it a streamline, simple and easy to use destination for the VidFlixClub community. The immediate needs would be a computer, website, database and Internet connection. All of these things will be at the project designer's expense. The website's UI design will be created with HTML and CSS. The back-end of the website will be powered by PHP or JavaScript and Java (if needed). It will also use either Oracle or MySQL for its database management system and an Apache web server. The code for this website will be maintained and managed in a source code management system to ensure version control and issue tracking.

# Users Involved In Or Affected By The Project

The users involved in this project are as follows:

* Club members: Their suggestions, wants, and needs are taken into account when designing this website.
* Stakeholder Diane Hall: Approval of this project is up to the stakeholder. Any requirements will be evaluated and carried out in the best way possible.
* Site designer (self): I, Genesis Taylor, will be responsible for the programming and design of the website.

# Risk

The risks involved in this project are low. The amount of personal information that the users would have to share is minimal. They would be required to create a login using their email address to post on the forum. That does run a risk. It runs the same risk that the entire website would run. The website runs the risk of being hacked or attacked by an outside source. The information used to login to the forum may be at risk of being exposed. It would be suggested that each user use strong passwords that are not related to any other password that they use.

The database on the website will be controlled by discretionary access control measures. Users will be able to access information on the database but the ability to edit any information on the database will only be available to the database administrator. The database administrator runs the risk of their information being susceptible to the same attacks as the users on the forum. Strong and frequently changed passwords will be used and suggested to help prevent such threats.

If the site encountered these attacks, there would be a recovery plan set to restore the website. Backups of all data will be stored in a safe location and alerts would be sent out, prompting users to change their passwords, if any personal information is leaked.

# Budget

This project will use already acquired equipment. The only out of pocket expenditures that may occur is the purchasing of a website if the Auburn University provided website or other free website is not used.

# Tentative Schedule

The following is a tentative schedule for the project. It is the goal to stay as close to this schedule as possible and to finish the project before April 1, 2015.

|  |  |
| --- | --- |
| **Objective** | **Deadline** |
| Project Proposal | October 25, 2014 |
| Acquiring Website | November 04, 2014 |
| Acquiring Database Space | November 04, 2014 |
| Acquire Forum\* | November 04, 2014 |
| Gathering Information | January 07, 2015 |
| Database Blueprint | January 20, 2015 |
| Database Building | February 10, 2015 |
| Website Blueprint | February 20, 2015 |
| PHP Programming | February 27, 2015 |
| HTML programming | March 05, 2015 |
| Website Building | March 08, 2015 |
| Testing | March 10, 2015 |
| Maintenance | March 15, 2015 |
| Record Presentation | March 20, 2015 |
| Edit Presentation | March 20, 2015 |
| Documentation | March 22, 2015 |
| Submission | April 01, 2015 |