***Limelight Movie Database Purpose & Functionality***

The Limelight Movie Vehicle Database Web Application was designed to provide users access to information concerning famous or unique vehicles that were used in movies. Limelight also provides the user access to information about events that their favorite movie vehicle are involved with. In addition to event information Limelight was also designed to allow registered users at a certain level view reviews that other users that have seen the vehicle have posted.

The functionality included with the Limelight Movie Vehicle includes features that fall into four categories: Vehicles, Events, Reviews, and Admin.

The functionality that is centered on vehicle information includes:

* View full list of vehicles in the database.
* Search the full vehicle list by: the movie title the vehicle appeared in, the vehicle’s name, and who created the vehicle
* View details and photo(s) of the different vehicles of any of the vehicles in the database
* The ability to post a review of the vehicle

The functionality that is centered on event information includes:

* View full list of Events in the database.
* Search the full Event list by: Event Title, Event City, Event State.
* View detailed information about each event.

The functionality that is centered on review information includes:

* View full list of Reviews
* Search the full Reviews list by: Review title and Vehicle Name
* View detailed information about review if the user is registered with the sited and has a role of “Subscriber” or “Admin”.

The functionality that is centered the Administrator includes:

* CRUD operations for vehicle information.
* Upload vehicle photos.
* CRUD operations for Event information.
* CRUD operations for user reviews.
* CRUD operations for users.
* Change user roles.

***Application Strengths***

One strength of the Limelight Web App is the use of roles to restrict access users have to various functionality of the app like being able to post a review(Subscriber) or delete an event’s information (Administrator). Another element of strength is the search feature for the vehicle, event, and review information. The search fields for each type of information allows the user easier and more flexibe access to the information about vehicles, events, and reviews.

***Application Weaknesses***

One element of weakness with the Limelight Web App is the page layout for pages like the vehicle, event, and review detail pages. The layout for these pages is basic and could be made to be more visually interesting. Another area of weakness in the app is the number of photos used on the vehicle and event detail pages. Including more photos, like with the page layout, would make the app more visually interesting.

***Features for Future Version(s)***

Three features/modifications that would be included in the next version of the Limelight Movie Database would include including more vehicle photos on the vehicle detail page. A feature that would set an event to inactive once the scheduled date has past or a filter that does not allow an event’s information to display if the event’s scheduled date has passed. The third feature to would expand the search capabilities for reviews by adding another search option to search reviews by the date the review was posted.

***The Development Process***

***Unclear Concepts that have become clear*** – Three concepts that have become clear during the course of the class and working on the project are Scaffolding, ViewModels, and Data Annotations.

***Concepts that are still Unclear*** – One concept that has become slightly clearer through the semester, but not totally clear, is Bootstrap themes and the details of how they work within a site.

***Feature(s) that could be/should be included to improve development*** – One feature that could be added to the project that would help streamline the code for the app is a repository to separate the database CRUD operations from the rest of the logic of the app. This would not only consolidate the code for the CRUD operations into one place (simplifying code) but also making the code easier to maintain and/or modify.

***The Project as a Learning Experience***

Working on the Reviewer App project has been very helpful in learning more about how ASP.Net work and what goes into building a web application. Being about to step through the project and work with the code helps, me at least, to understand more about how things like Models and ViewModels interact with Views.