CS/SE 6301.012 Web Programming Languages – Final Project Proposal

1. Team Members

Cong Wang cxw133030

Yingjie Fan yxf140730

Ruili Yao rxy121130

2. Project Title

Online Movie Rating

3. Name for the Website

www.utdallas.edu/~minions

4. Project Description

The www.utdallas.edu/~minions is an online information website that allows users to browse, review, rating and share movies. Users can implement functions such that sign up accounts, login accounts, rate movies, leave comments, post photos or videos and share links to the other websites. Main modules of the websites includes:

a. Navigation Lists

b. Module of movie gallery including movie covers, movie trailers, brief introduction, cast, biographies, details, storylines.

c. User rating system

d. User review system

e. Some other contents such that external links, photos, webisodes etc.

5. Functionalities to be implemented

a. Create user sign up

b. Check whether new register exists using AJAX

c. Check user inputs if all mandatory fields are filled out using Javascript

d. Check if password is strong enough using Javascript

e. Create user login

f. List available movies in the system. User can search by certain filters and display the results based on some criterias which match the requirements. Also user can search a specific movie.

g. User can add reviews for any movies in the user review module.

h. User can see his/her browsing, review and rating histories for any movie.

i. Administrator users are in charge of adding, deleting, updating review and rating records.

6. Database Design

```
CREATE TABLE IF NOT EXISTS MyMovies.movies (
 movieID VARCHAR(10) NOT NULL,
 name VARCHAR(50) NOT NULL,
```

```sql
    cast  VARCHAR(50) NOT NULL,
    year  TIMESTAMP NOT NULL,
    language VARCHAR(50) NOT NULL,
    plot VARCHAR(250) NOT NULL,
    category VARCHAR(10) NOT NULL,
    rating DECIMAL(4,3) ,
    reviewID LONGTEXT ,
    PRIMARY KEY (movieID)
 FOREIGN KEY (reviewID))


CREATE TABLE IF NOT EXISTS MyMovies.users (
user_id   VARCHAR(10) NOT NULL ,
username VARCHAR(50) NOT NULL,
password VARCAHR(50) NOT NULL,
is_admin BOOLEAN,NOT NULL,
reviewID VARCHAR(10),
PRIMARY KEY(user_id)
FOREIGN KEY (reviewID))


CREATE TABLE IF NOT EXISTS MyMovies.reviews (
reviewID VARCHAR(10) NOT NULL,
movieID VARCHAR(10) NOT NULL,
user_id VARCHAR(10) NOT NULL,
comment LONGTEXT ,
```

score INT,

PRIMARY KEY (reviewID)

FOREIGN KEY (movieID,user_id))

7. Language and Tools

Language: HTML, XML, PHP, JavaScript, SQL, Ruby on Rails, Python
Library and Tool: MVC frameworks such as Backbone.js, Angular.js;
graphing library like D3.js; CSS preprocessor (LESS, SASS); CSS
libraries such as Foundation and Bootstrap; Design tools such that
FrontPage, Dream Weaver and Google Web Designer etc.