MovieOn Install and User Guide

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TEAM 13*:*

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Document Revisions

Date	Version Number	Document Changes
12/3/2015	1.0	Initial Draft

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1. Introduction

1.1 Scope and Purpose of the Project

MovieOn is a movie and video recommendation system which is important in our social life due to its effectiveness in providing enhanced entertainment. This system can suggest a set of movies with corresponding videos to users based on the user reviews on older movies and his genre preferences. Although, a set of movie recommendation systems have been proposed, this system uses semantic technologies to retrieve data and present recommendations to the user. we propose a movie recommendation system that has the ability to recommend movies to a new user as well as to others. It mines movie databases to collect all the important information, such as, popularity and genre preferences, required for recommendation.

1.2 Purpose of the Document

The purpose of this document is to describe installation procedure of our software application and to guide user through the steps required to set up and use our software application.

2. Installation Manual

Main components are:

- Prerequisites
- Install procedure
- Application flow

2.1 Pre-requisites

Pre-requisites that must be fulfilled before installation.

- Download Eclipse IDE
  http://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/mars/R/eclipse-jee-mars-R-win32-x86_64.zip
- Download Java SE Development kit (EX: JDK 1.8)
  http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
- Download Apache tomcat (Ex: apache-tomcat-7.0.64-windows-x64)
- Download MongoDB https://www.mongodb.org/dl/win32/x86_64-2008plus-ssl

Knowledge on below Technologies:

- Tom cat server
- Eclipse IDE
- Mongo DB
- Bootstrap
- Spring MVC and security
- Jquery
- AJAX

2.2 Installation Procedure

Once all prerequisite checks are finished, the install process can start.

- Open Eclipse and create a new workspace.
- Go to File Menu -> Import -> Git -> Projects from Git and click on Next
- Select Clone URI -> Next and paste *https://github.com/suprajkolluri/MovieOn.git* into URI text box.
- checkout "master" branch and click on "Next" till "Finish".
- In Eclipse workspace, go to Windows -> Preferences -> Java -> Installed JREs and add JDK path
  - Click on "Add", select "Standard JVM" as JRE Type -> Next -> give Directory path of jdk_1.x (Ex: C:\Program Files\Java\jdk1.xx) and click on "Apply".
  - Installed JREs -> Execution Environment -> select Execution Environment as JavaSE-1.x -> select JDK 1.x and click on OK.
- In Project Explorer, right click on Project -> Properties -> Targeted Runtimes -> select Apache Tomcat v7.0 -> click on Apply and Ok.
- If you see errors, Right click project -> Maven -> Update Project
- Right click project -> Run As -> Maven Build and give command as "clean Install".

2.3 Database

- After the MongoDb installation, go to C:\Program Files\MongoDB\Server\3.0\bin
- Run mongod.exe (This is server)
- Run mongo.exe (This is client)
- Type below in mongo.exe command prompt
  use movieon

2.4 Deployment

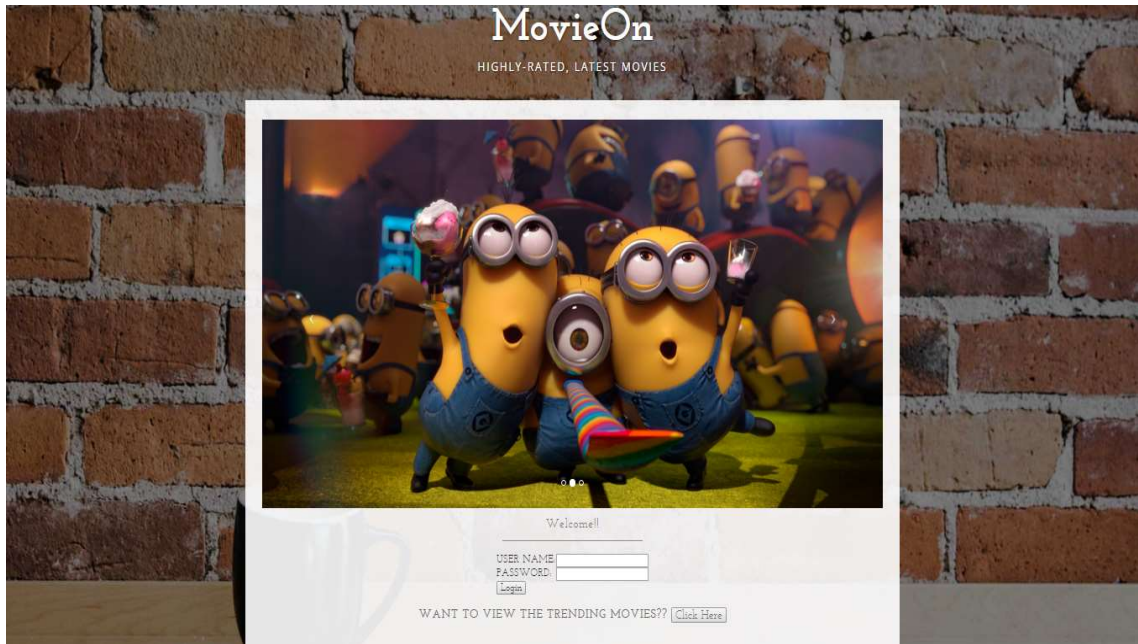- Deploy the generated war onto Tomcat.
- Access the project using the URL - http://localhost:8080/movieon/login.

3. Application workflow

WORKFLOWS:

- User should be able to login
- User will be able to view suggested YouTube videos of popular and latest 5 movies of his favorite genre.
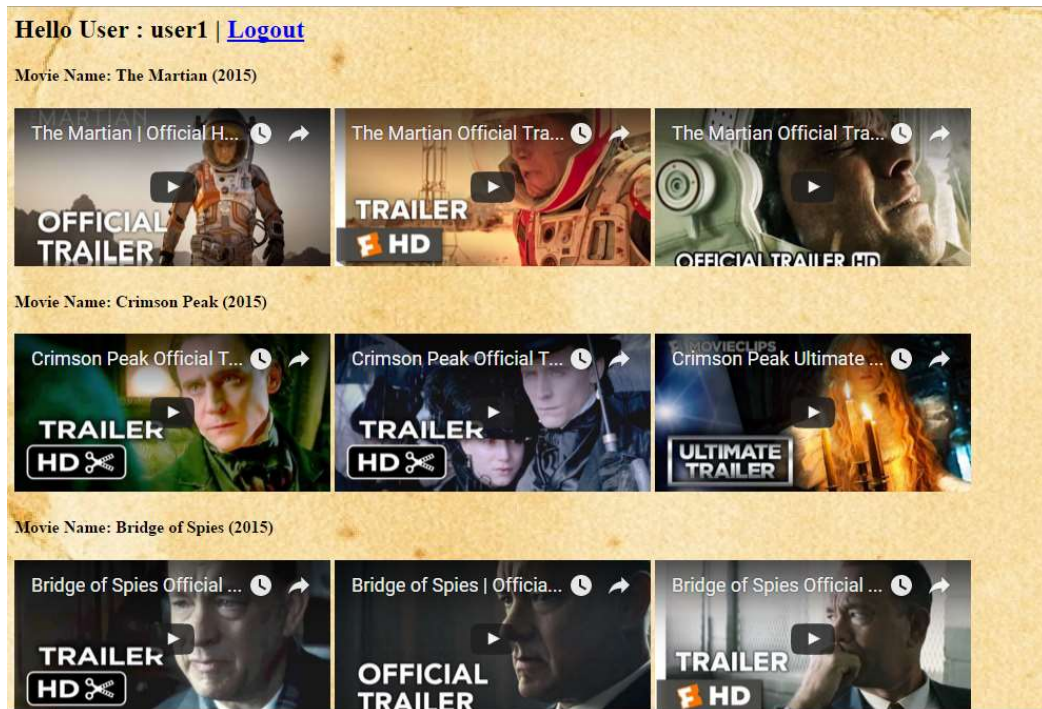- Logout

User login page:

GroupLens user can only login by entering the following details.

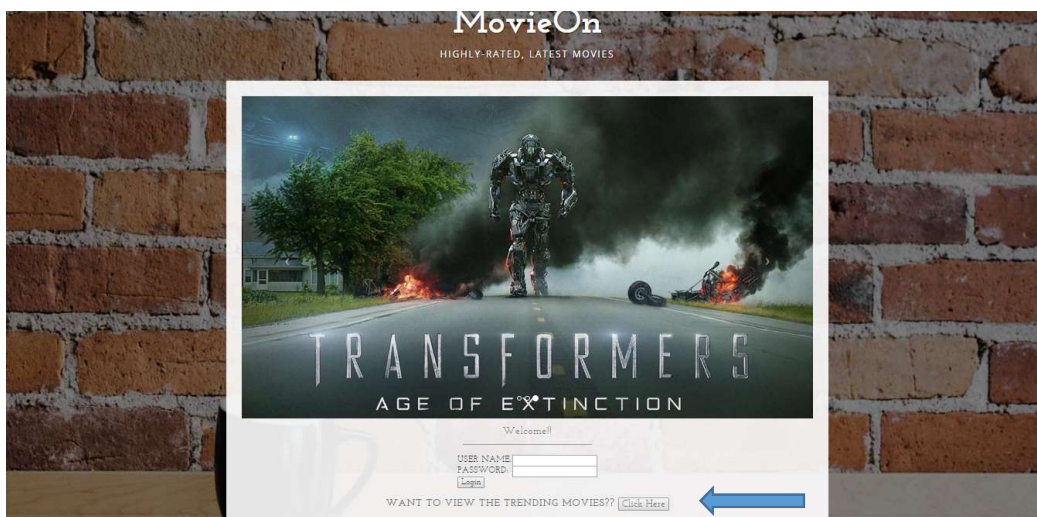- *User Name***: user1**
- *Password: **123***

User can connect to our application by clicking the "Login" button. Upon success, the user will be directed to profile page where top and latest 5 movie names and 3 related YouTube videos of each movie are displayed. Here favourite genre of user1 (calculated by our impact function) is Drama hence videos of genre Drama are displayed.
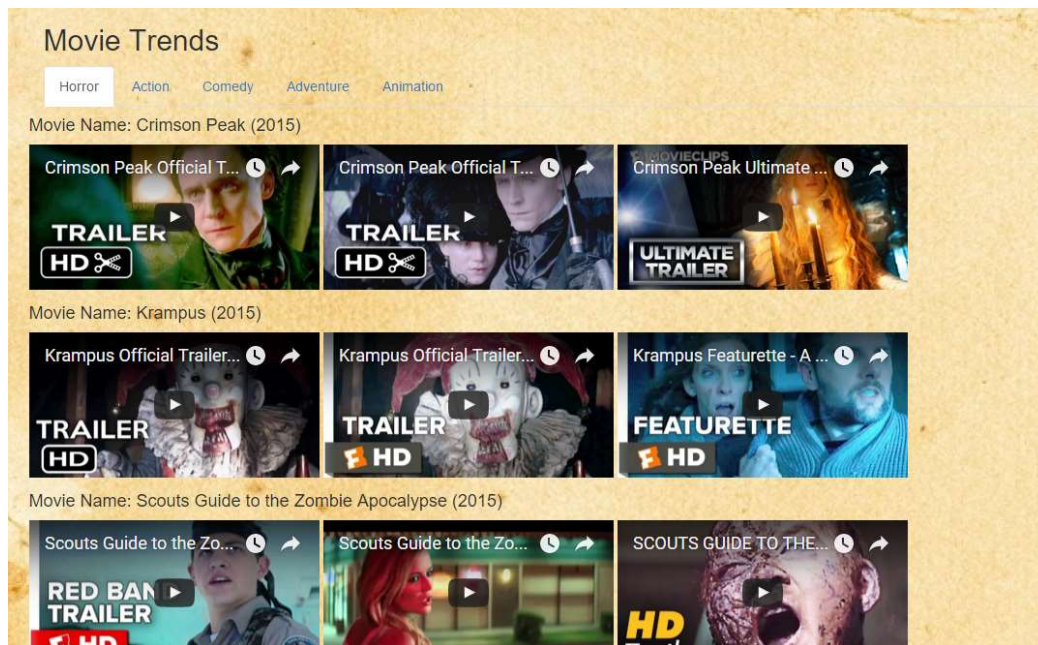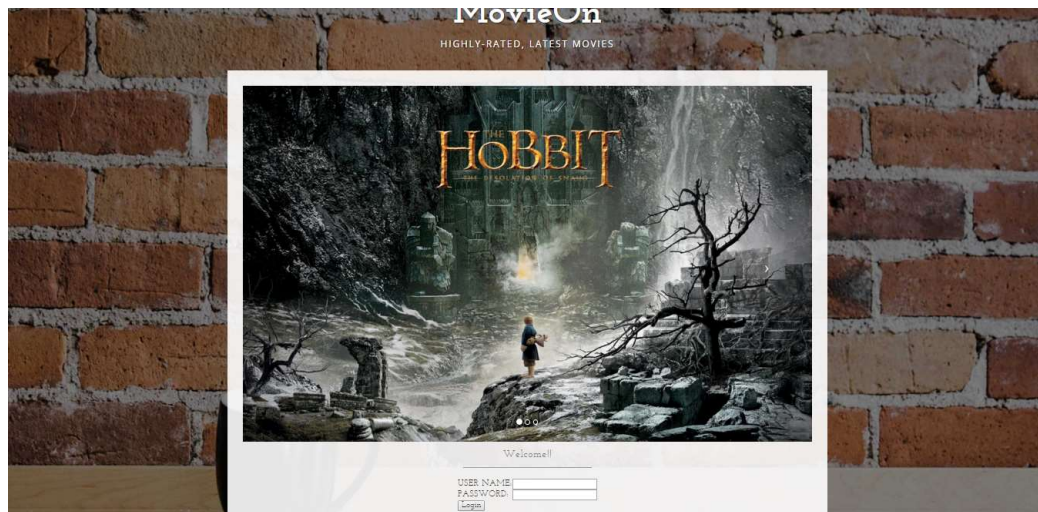
Continued…

3.2 Trending Movies

User can watch latest trending movies without signing into application by just clicking on "Click Here" button.

3.4. Logout

User can logout of the application by clicking on logout.

4. Uninstall or Roll-back

- Delete movieon project
- Delete database movieon