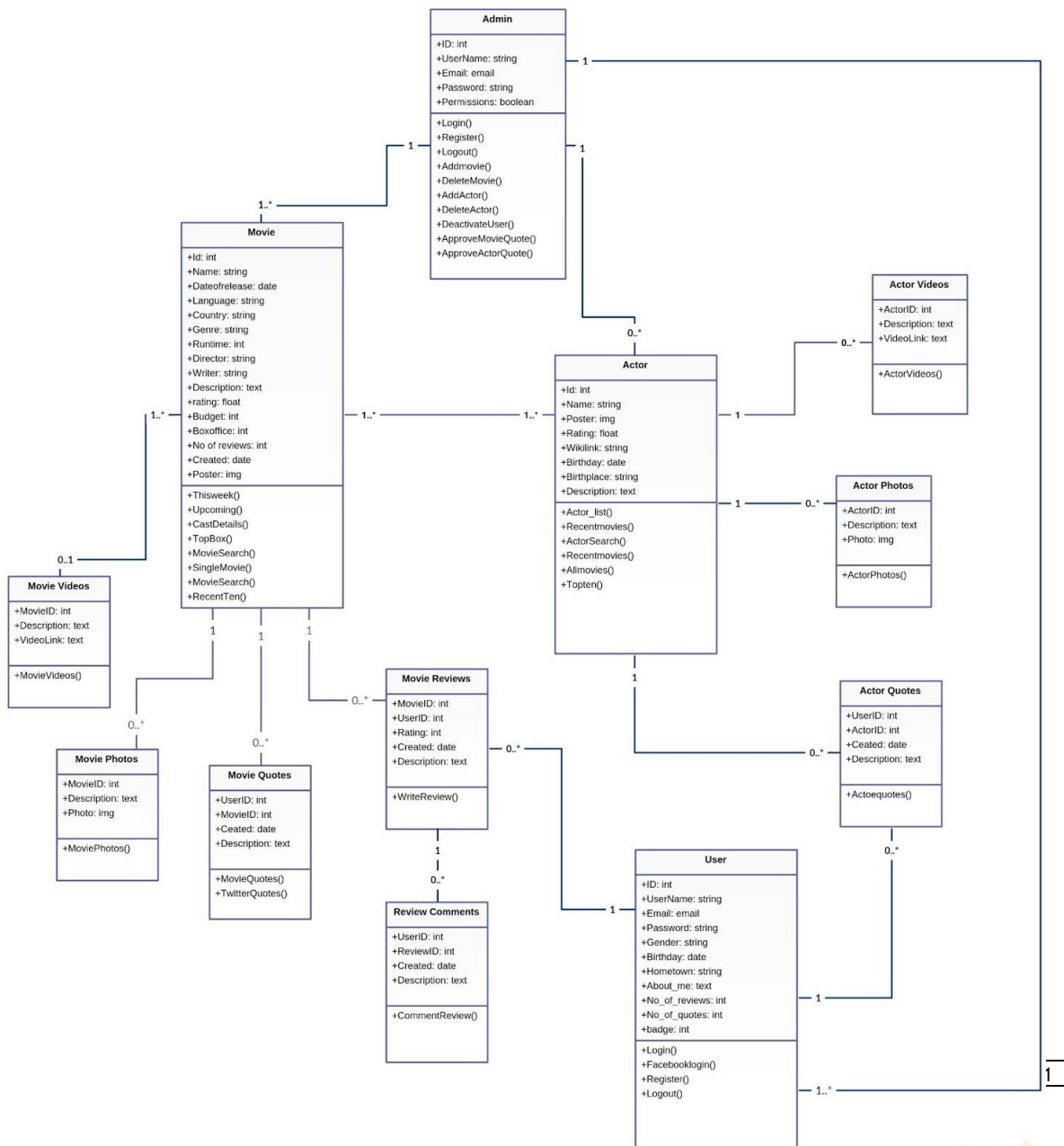# Product Design

Team   SSAD Team 10 - FiniteLoop

Members
- Jaipal Singh Goud
- Umesh Singla
- Varshit Battu
- Punyaslok Pattnaik
- Ram Kumar Reddy

Design Model
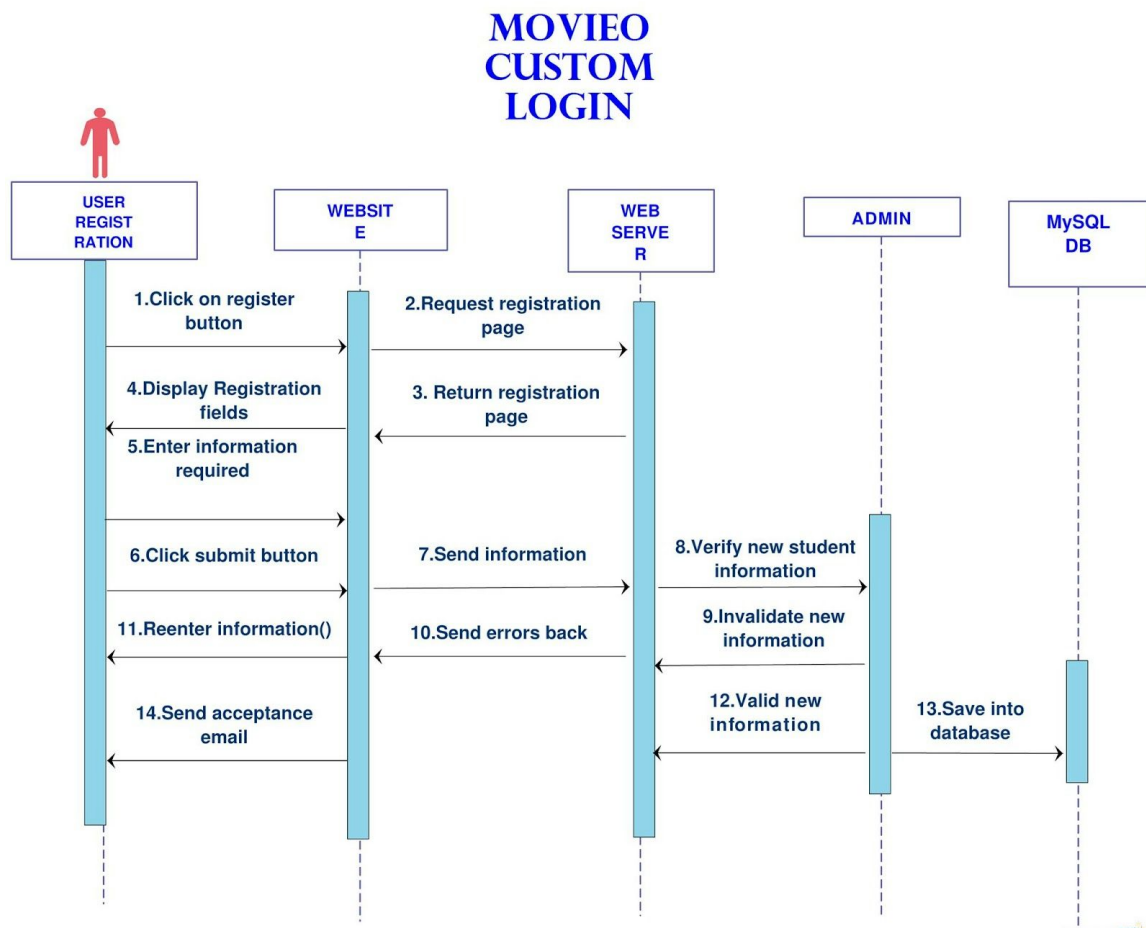
Class No. 1 Movie	**Class state** - Movie ID - Name : Name of the movie - Date of Release : Release date of movie - Language : Language in which the movie is to be released - Country : Country of production - Genre : Genre(s) of the movie - Runtime : Durationof movie - Director : Who directed the movie - Writer : Who wrote the script for movie - Description : Short description of movie - Rating : Current User Rating - Budget : Total Budget spent in making the movie - Box Office : Income generated till now - Number of Reviews : Number of reviews received - Creation Date : Date when it was added to Movieo - Poster : Poster of movie **Class behavior** - Thisweek() : Fetches all movies releasing in the coming week - Upcoming() : Fetches all movies releasing in the future - CastDetails() : Gets all the names of the people involved in making that movie - TopBox() : Fetches the top grossing movies - MovieSearch() : Returns Search results based on query type - RecentTen() : Gets list of the most recently released movies (10)
Class No. 2 Movie Videos	**Class state** - MovieID : The movie which the video belongs to - Description : A short descirption of the video - Videolink : A link for viewing the video if the video is externally hosted **Class behavior** - MovieVideos() : Gets list of all videos associated with that movie
Class No. 3 Movie Photos	**Class state** - MovieID : The movie which the photo belongs to - Description : A short descirption of the photo **Class behavior** - MoviePhotos() : Gets list of all photos associated with that movie
Class No. 4 Movie Quotes	**Class state** - UserID : The user who identified that quote - MovieID : The movie which the quote belongs to - Created : The date when the quote was uploaded - Description : The content of the quote **Class behavior** - MovieQuotes() : Gets list of all quotes associated with that movie - TwitterQuotes() : Gets a list of all popular quotes trending in Twitter
Class No. 5 Movie Reviews	**Class state** - UserID : The user who wrote that review - MovieID : The movie which the review belongs to - Rating : The rating given to the movie by the user - Created : The date when the review was written - Description : The review content **Class behavior**

	● WriteReview() : Saves the review to the DB and updates movie rating and posts the review on the movie page

Class No. 6
 	
Review Comments
	Class state
	   ● UserID : The user who wrote that comment
	   ● ReviewID : The review which the comment belongs to
	   ● Created : The date when the comment was written
	   ● Description : The content of the comment
	Class behavior
	   ● CommentReview() : Saves the comment to the DB and posts the comment on the review page

Class No. 7
 	
Actor
	Class state
	   ● ID
	   ● Name : Actor's name
	   ● Poster : Photo which appears on the Actor's page
	   ● Rating : Current rating given by users
	   ● Wikilink : Link to the actor's Wikipedia page
	   ● Birthday : Actor's Birthday
	   ● Birthplace : Place where actor was born
	   ● Description : Short bio of actor
	Class behavior
	   ● Actor_list() : Returns list of actors based on input parameters
	   ● Recentmovies() : Returns list of recent movies the actor has featured in
	   ● ActorSearch() : Returns list of actors according to search results
	   ● Allmovies() : Returns list of all movies the actor has featured in
	   ● Topten() : Returns the top 10 highest rated Actors

Class No. 8
 	
Actor Videos
	Class state
	   ● ActorID : ID of the actor to which the video belongs
	   ● Description : Short description of the video
	   ● Videolink : A link for viewing the video if the video is externally hosted
	Class behavior
	   ● ActorVideos() : Returns list of all videos of that actor

Class No. 9
 	
Actor Photos
	Class state
	   ● ActorID : The actor which the photo belongs to
	   ● Description : A short descirption of the photo
	   ● Videolink : A link for viewing the photo if the photo is externally hosted
	Class behavior
	   ● ActorPhotos() : Gets list of all photos associated with that actor

Class No. 10
 	
Actor Quotes
	Class state
	   ● UserID : The user who identified that quote
	   ● ActorID : The actor which the quote belongs to
	   ● Created : The date when the quote was uploaded
	   ● Description : The content of the quote
	Class behavior
	   ● ActorQuotes() : Gets list of all quotes associated with that actor

Class No. 11
 	
User
	Class state
	   ● ID
	   ● UserName : Username used to login
	   ● Email : Email address of the user
	   ● Gender : Gender of the user
	   ● Birthday : Date of birth of the user
	   ● Hometown : Place where user resides
	   ● About_me : Short description of the user written by himself
	   ● No_of_reviews : Number of reviews written by the user
	   ● No_of_quotes : Number of quotes identified by the user

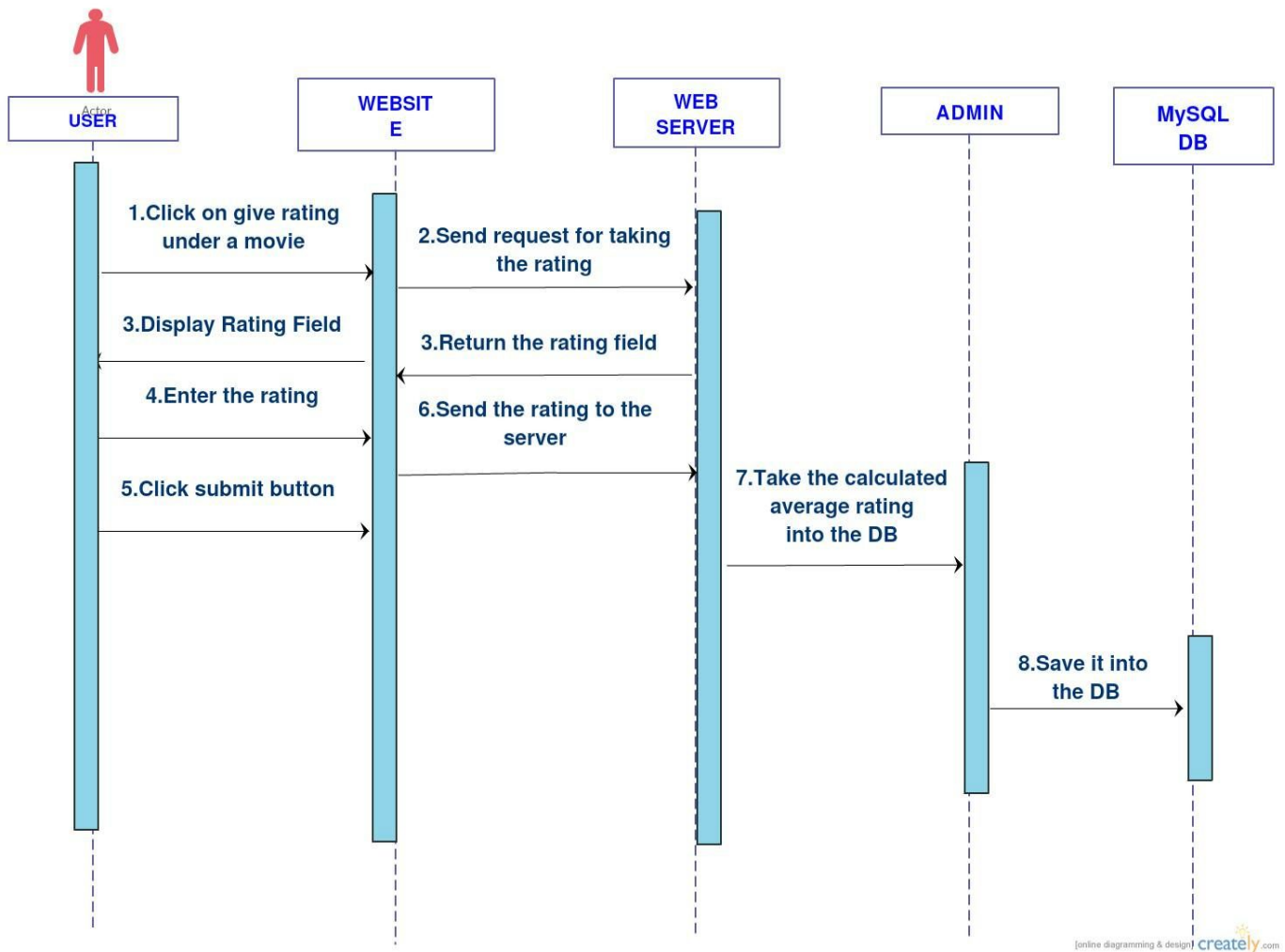|	

	● badge : Current badge that the user holds
	Class behavior
	    ● Login() : Checks credentials and logs in the user
	    ● Facebooklogin() : Executes login through Facebook
	    ● Register() : Initiates new user registration
	    ● Logout() : Logs out the user

Sequence Diagrams:

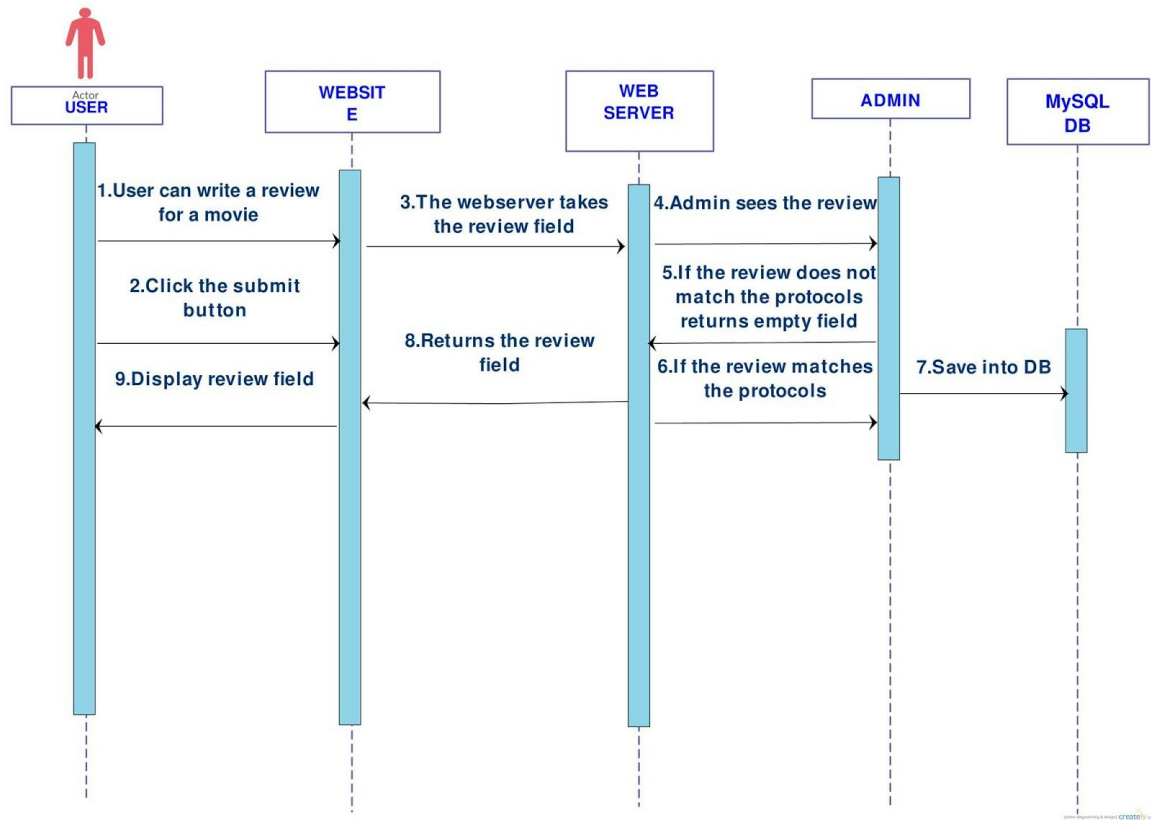1.   Logging into website/application through Email and not Facebook:

2.   Rating of a movie by a User:

USER RATING A MOVIE

3.   Reviewing of a Movie by a User:

USER REVIEW FOR A MOVIE

4. Admin adding the popular/verified tweets from Twitter through Admin Dashboard:

(Here User refers to Admin)

ADMIN ADDING TWEETS FROM TWITTER