Twitter4J:
CS 665 Assignment 5

Package

Twitter4J

DP #1: Singleton

TwitterAPIMonitor

-logger:Logger
-pattern:Pattern
-SINGLETON:TwitterAPIMonitor
-STATISTICS:APIStatistics

+getInstance():TwitterAPIMonitor
+getStatistic():APIStatisticsMBean
methodCalled(String,long,boolean):
void

DP #2: Factory

<<Twitter>>
Interface

timelines():TimelinesResources
tweets():TweetsResources
search():SearchResource
directMessages(): DirectMessageResources
friendsFollowers():
FriendsFollowersResources
users():UsersResources
suggestedUsers():
SuggestedUsersResources
favorites():FavoritesResources
list():ListsResources
savedSearches():
SavedSearchesResources
placesGeo():PlacesGeoResources
trends():TrendsResources
spamReporting(): SpamReportingResource
help():HelpResources

<<TwitterBase>>
Interface

getScreenName():String
getId():long
addRateLimitStatusListener
(RateLimitStatusListener):void
onRateLimitStatus
(Consumer<RateLimitStatusEvent>):
void
onRateLimitReached
(Consumer<RateLimitStatusEvent>):
void
getAuthorization():Authorization
getConfiguration():Configuration

TwitterFactory

-TWITTER_CONSTRUCTOR: Constructor<Twitter>
DEFAULT_AUTHORIZATION: Authorization
-SINGLETON:Twitter
-serialVersionUID:long = -563983536986910054L
-conf:Configuration
APP_ENGINE_TWITTER_IMPL:String = "twitter4j.AppEngineTwitterImpl"
~gaeDetected:boolean
~className:String"

+getInstance():Twitter
+getInstance(AccessToken):Twitter
+getInstance(Authorization):Twitter
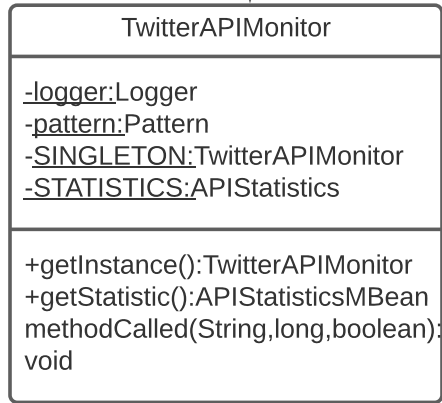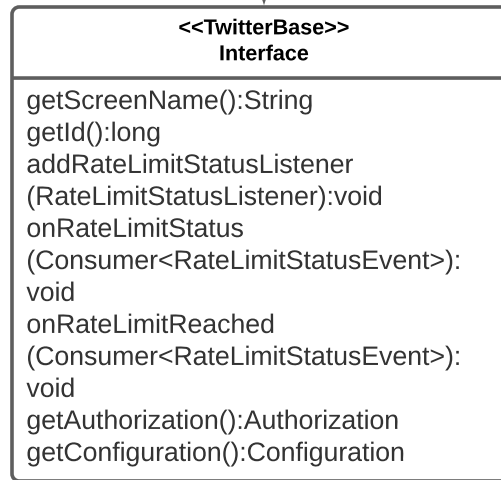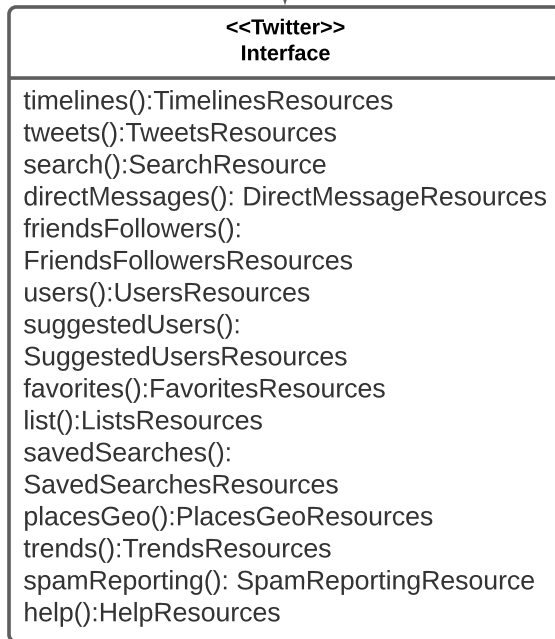+getSingleton():Twitter

TwitterImpl

-serialVersionUID:long = 9170943084096085770L
-logger:Logger
-IMPLICIT_PARAMS_STR:String
-IMPLICIT_PARAMS:HttpParameter[]
-INCLUDE_MY_RETWEET:HttpParameter
-CHUNKED_INIT:String = "INIT"
-CHUNKED_APPEND:String = "APPEND"
-CHUNKED_FINALIZE:String = "FINALIZE"
-CHUNKED_STATUS:String = "STATUS"
-MB:int = 1024*1024
-MAX_VIDEO_SIZE:int = 512*MB
-CHUNK_SIZE:int = 2*MB
-implicitParamsMap: ConcurrentHashMap<Configuration, HttpParamater[]>
-implicitParamsStrMap: ConcurrentHashMap<Configuration, String>

+getMentionsTimeline():ResponseList<Status>
+getMentionsTimeline(Paging):ResponseList<Status>
+getHomeTimeline():ResponseList<Status>
+getHomeTimeline(Paging):ResponseList<Status>
+getRetweetsOfMe():ResponseList<Status>
+getRetweetsOfMe(Paging):ResponseList<Status>
+getUserTimeline(String,Paging):ResponseList<Status>
+getUserTimeline(long,Paging):ResponseList<Status>
+getUserTimeline(String):ResponseList<Status>
+getUserTimeline(long):ResponseList<Status>
+getUserTimeline():ResponseList<Status>
+getUserTimeline(Paging):ResponseList<Status>
+getRetweets(long):ResponseList<Status>
+getRetweeterIds(long,long):IDs
+getRetweeterIds(long,int,long):IDs
+showStatus(long):Status
+destroyStatus(long):Status
+updateStatus(String):Status
+updateStatus(Status):Status
+retweetStatus(long):Status
+unRetweetStatus(long):Status
+getOEmbed(OEmbedRequest):OEmbed
+lookup(long...):ReponseList<Status>
+uploadMedia(File):UploadedMedia
+uploadMedia(String,InputStream):UploadedMedia
+uploadMediaChunked(String,InputStream):UploadedMedia
-uploadMediaChunkedInit(long):UploadedMedia
-uploadMediaChunkedAppend(String,InputStream,int,long):void
-uploadedMediaChunkedFinalize(long):UploadedMedia
-uploadMediaChunkedFinalize0(long):UploadedMedia
-uploadMediaChunkedStatus(long):UploadedMedia
+search(Query):QueryResult
+getDirectMessages(int):DirectMessageList
+getDirectMessages(int,String):DirecteMessageList
+showDirectMessage(long):DirectMessage
+destroyDirectMessage(long):void
+sendDirectMessage(long,String,QuickReply...):DirectMessage
+sendDirectMessage(long,String,String):DirectMessage
-createMessageCreateJsonObject(long,String,long,String,QuickReply...):JSONObject
+sendDirectMessage(long,String,long):DirectMessage
+sendDirectMessage(long,String):DirectMessage
+sendDirectMessage(String,String)
+getDMImageAsStream(String):InputStream
+getNoRetweetsFriendships():IDs
+getFriendsIDs(long):IDs
+getFriendsIDs(long,long):IDs
+getFriendsIDs(long,long,int):IDs
+getFriendsIDs(String,long):IDs
+getFriendsIDs(String,long,int):IDs
+getFollowersIDs(long):IDs

TwitterBaseImpl

-WWW_DETAILS:String = "See http://twitter4j.org/en/configuration.html for details. See and register at http://apps.twitter.com/"
-serialVersionUID:long = -7824361938865528554L
~conf:Configuration
-screenName:String = null
-id:long = 0
http:HttpClient
-rateLimitStatusListeners: List<RateLimitStatusListener>
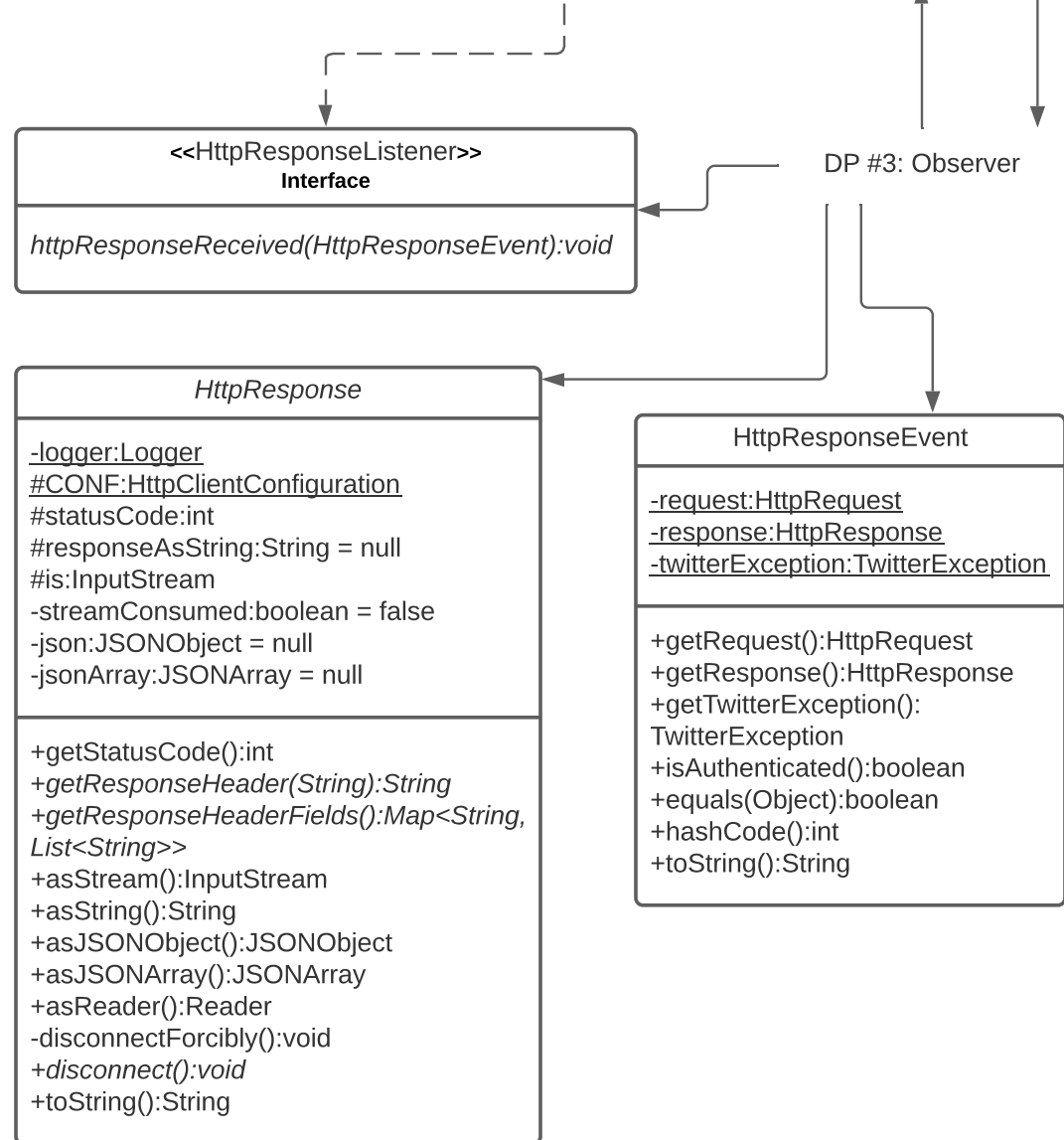~factory:ObjectFactory
~auth:Authorization

-init():void
~setFactory():void
+getScreenName():String
+getId():long
~fillInIDAndScreenName():User
~fillInIDAndScreenName(HttpParameter[]):User
+addRateLimitStatusListener (RateLimitStatusListener):void
+onRateLimitStatus (Consumer<RateLimitStatusEvent>):void
+onRateLimitReached (Consumer<RateLimitStatusEvent>):void
+httpResponseReceived(HttpResponseEvent): void
+getAuthorization():Authorization
+getConfiguration():Configuration
~ensureAuthorizationEnabled():void
~ensureOAuthEnabled():void
-writeObject(ObjectOutputStream):void
-readObject(ObjectInputStream):void
+setOAuthConsumer(String,String):void
+getOAuthRequestToken():RequestToken
+getOAuthRequestToken(String):RequestToken
+getOAuthRequestToken(String,String):RequestToken
+getOAuthRequestToken(String,String,String):RequestToken
+getOAuthAccessToken():AccessToken
+getOAuthAccessToken(String):AccessToken
+getOAuthAccessToken(RequestToken):AccessToken
+getOAuthAccessToken(RequestToken,String):AccessToken
+setOAuthAccessToken(AccessToken):void
+getOAuthAccessToken(String,String):AccessToken
-getOAuth():OAuthSupport
+getOAuth2Token():OAuth2Token
+setOAuth2Token(OAuth2Token):void
+invalidateOAuth2Token():void
-getOAuth2Token():OAuth2Support
+equals(Object):boolean
+hashCode():int
+toString():String

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+getFriendsIDs(long,long,int):IDs
+getFriendsIDs(String,long):IDs
+getFriendsIDs(String,long,int):IDs
+getFollowersIDs(long):IDs
+getFollowersIDs(long,long):IDs
+getFollowersIDs(long,long,int):IDs
+getFollowersIDs(String,long):IDs
+getFollowersIDs(String,long,int):IDs
+lookupFriendships(long...):ResponseList<Friendship>
+lookupFriendships(String...):ResponseList<Friendship>
+getIncomingFriendships(long):IDs
+getOutgoingFriendships(long):IDs
+createFrienship(long):User
+createFriendship(String):User
+createFriendship(long,boolean):User
+deleteFrienship(long):User
+deleteFriendship(String):User
+updateFriendship(long,boolean,boolean):Relationship
+updateFriendship(String,boolean,boolean):Relationship
+showFriendship(long,long):Relationship
+showFriendship(String,String):Relationship
+getFriendsList(long,long):PagableResponseList<User>
+getFriendsList(long,long.int):PagableResponseList<User>
+getFriendsList(String,long):PagableResponseList<User>
+getFriendsList(String,long,int):PagableResponseList<User>
+getFriendsList(long,long,int,boolean):PagableResponseList<User>
+getFriendsList(String,long,int,boolean,boolean):PagableResponseList<User>
+getFollowersList(long,long):PagableResponseList<User>
+getFollowersList(long,long.int):PagableResponseList<User>
+getFollowersList(String,long):PagableResponseList<User>
+getFollowersList(String,long,int):PagableResponseList<User>
+getFollowersList(long,long,int,boolean,boolean):PagableResponseList<User>
+getFollowersList(String,long,int,boolean,boolean):PagableResponseList<User>
+getAccountSettings():AccountSettings
+verifyCredentials():User
+updateAccountSettings(Integer,Boolean,String,String,String,String):AccountSettings
+updateAllowDmsFrom(String):AccountSettings
+updateProfile(String,String,String,String):User
-addParameterToList(List<HttpParameter>,String,String):void
+updateProfileImage(File)
+updateProfileImage(InputStream):User
-checkFileValidity(File):void
+getBlocksList():PagableResponseList<User>
+getBlocksList(long):PagableResponseList<User>
+getBlocksIDs():IDs
+getBlocksIDs(long):IDs
+createBlock(long):User
+createBlock(String):User
+destroyBlock(long):User
+destroyBlock(String):User
+getMutesList(long):PagableResponseList<User>
+getMutesIDs(long)
+createMute(long)
+createMute(String)
+destroyMute(long)
+destroyMute(String)
+lookupUsers(String...):ResponseList<User>
+lookupUsers(long...):ResponseList<User>
+showUser(long):User
+showUser(String):User
+searchUsers(String,int):ResponseList<User>
+getContributes(long):ResponseList<User>
+getContributes(String):ResponseList<User>
+getContributors(long):ResponseList<User>
+getContributors(String):ResponseList<User>
+removeProfileBanner():void
+updateProfileBanner(File):void
+updateProfileBanner(InputStream):void
+getUserSuggestions(String):ResponseList<User>
+getSuggestedUserCategories():ResponseList<Category>
+getMemberSuggestions(String):ResponseList<User>
+getFavorites():ResponseList<Status>
+getFavorites(long):ResponseList<Status>
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<<HttpResponseListener>>
Interface

httpResponseReceived(HttpResponseEvent):void

DP #3: Observer

HttpResponse

-logger:Logger
#CONF:HttpClientConfiguration
#statusCode:int
#responseAsString:String = null
#is:InputStream
-streamConsumed:boolean = false
-json:JSONObject = null
-jsonArray:JSONArray = null

+getStatusCode():int
+*getResponseHeader(String):String*
+*getResponseHeaderFields():Map<String,*
List<String>>
+asStream():InputStream
+asString():String
+asJSONObject():JSONObject
+asJSONArray():JSONArray
+asReader():Reader
-disconnectForcibly():void
+*disconnect():void*
+toString():String

HttpResponseEvent

-request:HttpRequest
-response:HttpResponse
-twitterException:TwitterException

+getRequest():HttpRequest
+getResponse():HttpResponse
+getTwitterException():
TwitterException
+isAuthenticated():boolean
+equals(Object):boolean
+hashCode():int
+toString():String

+getSuggestedUserCategories():ResponseList<Category>
+getMemberSuggestions(String):ResponseList<User>
+getFavorites():ResponseList<Status>
+getFavorites(long):ResponseList<Status>
+getFavorites(String):ResponseList<Status>
+getFavorites(Paging):ResponseList<Status>
+getFavorites(long,Paging):ResponseList<Status>
+getFavorites(String,Paging):ResponseList<Status>
+destroyFavoirte(long):Status
+createFavorite(long):Status
+getUserLists(String):ResponseList<UserList>
+getUserLists(String,boolean):ResponseList<UserList>
+getUserLists(long,boolean):ResponseList<UserList>
+getUserLists(long,Paging):ResponseList<UserList>
+getUserListStatuses(long,Paging):ReponseList<Status>
+getUserListStatuses(long,String,Paging):ReponseList<Status>
+getUserListStatuses(String,String,Paging):ReponseList<Status>
+destroyUserListMember(long,long):UserList
+destroyUserListMember(long,String,long):UserList
+destroyUserListMember(String,String,long):UserList
+destroyUserListMember(long,String):UserList
+destroyUserListMember(long,String[]):UserList
+destroyUserListMember(long,long[]):UserList
+destroyUserListMember(String,String,String[]):UserList
+getUserListMemberships(long):PagableResponseList<UserList>
+getUserListMemberships(int,long):PagableResponseList<UserList>
+getUserListMemberships(String,long):PagableResponseList<UserList>
+getUserListMemberships(String,int,long):PagableResponseList<UserList>
+getUserListMemberships(String,long,boolean):PagableResponseList<UserList>
+getUserListMemberships(String,int,long,boolean):PagableResponseList<UserList>
+getUserListMemberships(long,long):PagableResponseList<UserList>
+getUserListMemberships(long,int,long):PagableResponseList<UserList>
+getUserListMemberships(long,long,boolean):PagableResponseList<UserList>
+getUserListMemberships(long,int,long,boolean):PagableResponseList<User>
+getUserListSubscribers(long,long):PagableResponseList<User>
+getUserListSubscribers(long,int,long):PagableResponseList<User>
+getUserListSubscribers(long,int,long,boolean):PagableResponseList<User>
+getUserListSubscribers(long,String,long):PagableResponseList<User>
+getUserListSubscribers(long,String,int,long):PagableResponseList<User>
+getUserListSubscribers(long,String,int,long,boolean):PagableResponseList<User>
+getUserListSubscribers(String,String,long):PagableResponseList<User>
+getUserListSubscribers(String,String,int,long):PagableResponseList<User>
+getUserListSubscribers(String,String,int,long,boolean):PagableResponseList<User>
+createUserListSubscription(long):UserList
+createUserListSubscription(long,String):UserList
+createUserListSubscription(String,String):UserList
+showUserListSubscription(long,long):User
+showUserListSubscription(long,String,long):User
+showUserListSubscription(String,String,long):User
+destroyUserListSubscription(long):UserList
+destroyUserListSubscription(long,String):UserList
+destroyUserListSubscription(String,String):UserList
+createUserListMembers(long,long...):UserList
+createUserListMembers(long,String,long...):UserList
+createUserListMembers(String,String,long...):UserList
+createUserListMembers(long,String...):UserList
+createUserListMembers(long,String,String...):UserList
+createUserListMembers(String,String,String...):UserList
+showUserListMembership(long,long):User
+showUserListMembership(long,String,long):User
+showUserListMembership(String,String,long):User
+getUserListMembers(long,long):PagableResponse<User>
+getUserListMembers(long,int,long):PagableResponse<User>
+getUserListMembers(long,int,long,boolean):PagableResponse<User>
+getUserListMembers(long,String,long):PagableResponse<User>
+getUserListMembers(long,String,int,long):PagableResponse<User>
+getUserListMembers(long,lString,int,long,boolean):PagableResponse<User>
+getUserListMembers(String,String,long):PagableResponse<User>
+getUserListMembers(String,String,int,long):PagableResponse<User>
+getUserListMembers(String,String,int,long,boolean):PagableResponse<User>
+createUserListMember(long,long):UserList
+createUserListMember(long,String,long):UserList
+createUserListMember(String,String,long):UserList
+destroyUserList(long):UserList

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+createUserListMember(long,long):UserList
+createUserListMember(long,String,long):UserList
+createUserListMember(String,String,long):UserList
+destroyUserList(long):UserList
+destroyUserList(long,String):UserList
+destroyUserList(String,String):UserList
+updateUserList(long,String,boolean,String):UserList
+updateUserList(long,String,String,boolean,String):UserList
+updateUserList(String,String,String,boolean,String):UserList
+updateUserList(String,boolean,String,HttpParameter...):UserList
+createUserList(String,boolean,String):UserList
+showUserList(long):UserList
+showUserList(long,String):UserList
+showUserList(String,String):UserList
+getUserListSubscriptions(String,long):PagableResponseLIst<UserList>
+getUserListSubscriptions(String,int,long):PagableResponseLIst<UserList>
+getUserListSubscriptions(long,long):PagableResponseLIst<UserList>
+getUserListSubscriptions(long,int,long):PagableResponseLIst<UserList>
+getUserListsOwnerships(String,long):PagableResponseList<UserList>
+getUserListsOwnerships(String,int,long):PagableResponseList<UserList>
+getUserListsOwnerships(long,long):PagableResponseList<UserList>
+getUserListsOwnerships(long,int,long):PagableResponseList<UserList>
+getSavedSearches():ResponseList<SavedSeearch>
+showSavedSearch(long):SavedSearch
+createSavedSearch(String):SavedSearch
+destroySavedSearch(long):SavedSearch
+getGeoDetails(String):Place
+reverseGeoCode(GeoQuery):ResponseList<place>
+searchPlaces(GeoQuery):ResponseList<Place>
+getSimilarPlaces(GeoLocation,String,String,String):ResponseList<Place>
+getPlaceTrends(int):Trends
+GetAvailableTrends():ReponseList<Location>
+getClosestTrends(Geolocation):ResponseList<Location>
+reportSpam(long):User
+reportSpam(String):User
+getAPIConfiguration():TwitterAPIConfiguration
+getLanguages():ReponseList<Language>
+getPrivacyPolicy():String
+getTermsofService():String
+getRateLimitStatus():Map<String,RateLimitStatus>
+getRateLimitStatus(String...):Map<String,RateLimitStatus>
+timelines():TimelinesResources
+tweets():TweetsResources
+search():SearchResource
+directMessages():DirectMessagesResources
+firendsFollowers():FriendsFollowersResources
+users():UsersResources
+suggestedUsers():SuggestedUsersResources
+favorites():FavoritesResources
+list():ListResources
+savedSearches():SavedSearchesResources
+placesGeo():PlacesGeoResources
+trends():TrendsResources
+spamReporting():SpamReportingResource
+help():HelpResources
-get(String):HttpResponse
-get(String,HttpParameter...):HttpResponse
-post(String):HttpResponse
-post(String,HttpParameter...):HttpResponse
-post(String,JSONObject):HttpResponse
-mergeParameters(HttpParameter[],HttpParameter[]):HttpParameter[]
-mergeParameters(HttpParameter[],HttpParameter):HttpParameter[]
-mergeImplicitParams(HttpParameter...):HttpParameter[]
-isOk(HttpResponse):boolean
+toString():String
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