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TripAdvisor API

Method Name	HTTP Method	Parameters	Returns	Explanation

/authenticate	Post	Body:
		{
		    "userName" : "adioz",
		    "password": "adi123"
		}
			Token	The server validates login details. POST because login cannot pass in GET.

/signUp	Post	Body:
		
		{
		    "username" : "dagew",
		    "password": "12fff3",
		    "firstname": "david",
		    "lastname": "ros",
		    "city": "beer",
		    "country": "israel",
		    "email": "dddd",
		    "questionsAndAnswersForRetrive":
		"[{\"question\": \"what is your favorite color?\",\"answer\":\"blue\"}, {\"question\": \"what is your favorite food?\",\"answer\":\"pizza\"}]",
		    "categories": "[1,2]"
		}
			Success/Failed	The server validates SignUp details and add new user to db. POST because we added new object.

/questionsForAccountRetrieval/:userName	Get	• Url: userName	return all questions: []	The server returns the user questions from the db. Get because we only need to retrieve value from the db.

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/randomTopAttraction	Get	---	return 'n' top attractions: attractions []	The server returns 3 randomly attractions above rank 3. The number of attractions to return and the limit rank can be change from the server code. Get because we only need to retrieve value from the db.
/reg/users/savedAttractions/: userName	Get	• Token • Url: userName	return user saved attractions: attractions []	The server returns n attractions that the specific user saved. The DB include 'ClientSavedAttractions' table that maintain the map of the saved attractions per user. Get because we only need to retrieve value from the db.
/reg/users/recommendAttract ions/:userName	Get	• Token • Url: userName	return recommend attractions: attractions []	The server returns n attractions most recommend in the favorite categories he choose. Get because we only need to retrieve value from the db.
/reg/users/ saveAttractionsToDB /:userName	Post	• Token • Url: username • Body: [{ "UserName" : "adioz","Attraction_ID": 1, "Order_ID": 1, "Date": "2012-06-18 10:34:09" }, { "UserName" : "adioz","Attraction_ID": 3, "Order_ID": 2, "Date": "2012-06-19 10:34:09" }, { "UserName" : "adioz","Attraction_ID": 5, "Order_ID": 3, "Date": "2012-06-07 10:34:09" }]	Success/Failed	The server saved the attractions of the specific user (by the token) in the db. Post because we update information in the db.

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/reg/categories/	Get	• Token	return all categories: categories:	The server returns the categories suggested in the website. Get because we only need to retrieve value from the db.
/reg/categories/attractions/:category_ID	Get	• Token • Url: category_ID	return all attractions for category: attractions []	The server returns all attractions belongs to the asked category, the category with {Category_ID}. Get because we only need to retrieve value from the db.
/reg/attractions/increaseNumberOfViewers/:attraction_ID	Post	• Token • Url: attraction_ID	Success/Failed	The server increases the number of viewers of the attraction with the given id. Post because we update information in the db.

/reg/attractions/updateReview/:attraction_ID	Post	• Token
		• Url: attraction_ID
		• Body:
		{
		  "reviews": [
		    {
		      "Date":"2012-06-18 10:34:09",
		      "review":"very good!!"
		    }
		  ]
		}
			Success/Failed	The server updates the rank and the reviews of the attraction with the given id. Post because we update information in the db.

/reg/attractions/updateRank/:attraction_ID	Post	• Token
		• Url: attraction_ID
		• Body:
		{
		  "rank": 4.5,
		  "rankersCount": 2,
		}
			Success/Failed	The server updates the rank of the attraction with the given id. Post because we update information in the db.

דברים שהשתנו ב-API:

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- **getCategories עבר ל\categories** כיוון שזו מתודה שאנו רוצים להשתמש בה גם עבור נרשמים לאתר, כשהם בוחרים את הקטגוריות שהם אוהבים.
- **הוספנו מתודה שמחזירה את הסיסמה – password\ (שכחנו לבצע את זה בהתחלה)**
- **הוספנו מתודה שמחזירה אטרקציה לפי id כיוון שבמידה והמשתמש מבצע רענון של הדף בתוך דף האטרקציה שנוכל להביא את האטרקציה עצמה. את האטרקציות אנחנו לא שומרים בזכרון הלוקלי אך את האטרקציות שהמשתמש אהב כן.**

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Collection of Attractions return value example:

```
[
    {
        "ID": 1,
        "Name": "Best of Brooklyn Half-Day Food and Culture Tour",
        "Reviews": "",
        "Category_ID": 1,
        "Description": "On this half-day Brooklyn food and culture tour, you get to see and taste your way through all of Brooklyn's character-filled neighborhoods, without having to worry about
            navigating the subway or finding the right restaurants. Get a taste of pizza, pierogi, cannoli, chocolate, and more of what makes Brooklyn's food noteworthy. A climate-controlled bus
            takes your small group to numerous stops—and generous tastes.",
        "ViewersCount": 0,
        "RankersCount": 2,
        "Attraction_Rank": 4.5,
        "Pictures_ID": "[\"best-of-brooklyn-half-day-food-and-culture-tour1\",\"best-of-brooklyn-half-day-food-and-culture-tour2\",\"best-of-brooklyn-half-day-food-and-culture-tour3\",\"best-of
            -brooklyn-half-day-food-and-culture-tour4\",\"best-of-brooklyn-half-day-food-and-culture-tour5\"]"
    },
    {
        "ID": 3,
        "Name": "Lower East Side Food and Culture Tour",
        "Reviews": "",
        "Category_ID": 1,
        "Description": "Take a deep dive into the culinary culture of Manhattan's Lower East Side during this guided food tour with a small group. Follow your guide to hidden gems that you
            probably wouldn't find on you own for tastes of everything from knishes to Dutch stroopwafels. Along the way, your guide will shed light on the neighborhood's rich, varied food
            culture, which helps you understand NYC as a whole.",
        "ViewersCount": 0,
        "RankersCount": 4,
        "Attraction_Rank": 4,
        "Pictures_ID": "[\"lower-east-side-food-and-culture-tour1\",\"lower-east-side-food-and-culture-tour2\",\"lower-east-side-food-and-culture-tour3\",\"lower-east-side-food-and-culture
            -tour4\",\"lower-east-side-food-and-culture-tour5\"]"
    },
    {
        "ID": 9,
        "Name": "Midtown Comics",
        "Reviews": "",
        "Category_ID": 2,
        "Description": "Midtown Comics' flagship store near Times Square sells an enormous selection of comic books, graphic novels, books, T-shirts, apparel, statues, action figures, and other
            pop-culture collectables.",
        "ViewersCount": 0,
        "RankersCount": 4,
        "Attraction_Rank": 4.8,
        "Pictures_ID": "[\"Midtown Comics-1\",\"Midtown Comics-2\",\"Midtown Comics-3\",\"Midtown Comics-4\",\"Midtown Comics-5\"]"
    }
]
```

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Questions & Answers return value example:

```json
[
    {
        "Question": "What is your favorite food?",
        "Answer": "pizza"
    },
    {
        "Question": "What is your favorite color?",
        "Answer": "pink"
    }
]
```

Categories return values example:

```json
[
    {
        "ID": 1,
        "Name": "Food & Drink"
    },
    {
        "ID": 2,
        "Name": "Shopping"
    },
    {
        "ID": 3,
        "Name": "Nightlife & Tours"
    },
    {
        "ID": 4,
        "Name": "Museums"
    },
    {
        "ID": 5,
        "Name": "Concerts & Shows"
    }
]
```