**Retrieving information functions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Get movies** | | **Quick Information** | |
| Get all movies of all cinemas. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/movie/list | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve the list of all movies. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Movie objects.  Data Type: IEnumerable<Movie>  Values:   * **Id**: define unique object. * **Title**: display name of the movie. * **Director**: director of the movie. * **Duration**: time length of the movie. * **Genre**: type of the movie (action, thriller, …) * **Cast**: actors and actresses of the movie. * **Description**: short described about the movie. * **Var**: define unique miove in order to get the sessiontimes. * **InfoUrl**: just used at the beginning to get the movie info. * **ImageUrl**: link to the image that represent a movie. * **TrailerUrl**: link to watch the official trailer of the movie. * **Is3d**: discribe whether the movie is 3d version or not. * **IsNowShowing**: discribe whether the movie is showing or not. * **Language**: such as Vietnamese without subtitle; … * **Producer**: producer of the movie.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get now showing movies** | | **Quick Information** | |
| Get all now showing movies of all cinemas. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/movie/list/nowshowing | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve the list of all now showing movies. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Movie objects.  Data Type: IEnumerable<Movie>  Values:   * **Id**: define unique object. * **Title**: display name of the movie. * **Director**: director of the movie. * **Duration**: time length of the movie. * **Genre**: type of the movie (action, thriller, …) * **Cast**: actors and actresses of the movie. * **Description**: short described about the movie. * **Var**: define unique miove in order to get the sessiontimes. * **InfoUrl**: just used at the beginning to get the movie info. * **ImageUrl**: link to the image that represent a movie. * **TrailerUrl**: link to watch the official trailer of the movie. * **Is3d**: discribe whether the movie is 3d version or not. * **IsNowShowing**: discribe whether the movie is showing or not. * **Language**: such as Vietnamese without subtitle; … * **Producer**: producer of the movie.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get coming soon movies** | | **Quick Information** | |
| Get all coming soon movies of all cinemas. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/movie/list/comingsoon | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve the list of all coming soon movies. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Movie objects.  Data Type: IEnumerable<Movie>  Values:   * **Id**: define unique object. * **Title**: display name of the movie. * **Director**: director of the movie. * **Duration**: time length of the movie. * **Genre**: type of the movie (action, thriller, …) * **Cast**: actors and actresses of the movie. * **Description**: short described about the movie. * **Var**: define unique miove in order to get the sessiontimes. * **InfoUrl**: just used at the beginning to get the movie info. * **ImageUrl**: link to the image that represent a movie. * **TrailerUrl**: link to watch the official trailer of the movie. * **Is3d**: discribe whether the movie is 3d version or not. * **IsNowShowing**: discribe whether the movie is showing or not. * **Language**: such as Vietnamese without subtitle; … * **Producer**: producer of the movie.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get movie info** | | **Quick Information** | |
| Get the information of particular movie such as : title, director, cast, … , trailer , … | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/movie/getmovie/{id} | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve the information of the movie. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Movie object.  Data Type: Movie  Values:   * **Id**: define unique object. * **Title**: display name of the movie. * **Director**: director of the movie. * **Duration**: time length of the movie. * **Genre**: type of the movie (action, thriller, …) * **Cast**: actors and actresses of the movie. * **Description**: short described about the movie. * **Var**: define unique miove in order to get the sessiontimes. * **InfoUrl**: just used at the beginning to get the movie info. * **ImageUrl**: link to the image that represent the movie. * **TrailerUrl**: link to watch the official trailer of the movie. * **Is3d**: discribe whether the movie is 3d version or not. * **IsNowShowing**: discribe whether the movie is showing or not. * **Language**: such as Vietnamese without subtitle; … * **Producer**: producer of the movie.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get movies of a cinema** | | **Quick Information** | |
| Get all movies of a specified cinema. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/movie/cinema/{CinemaId} | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve all movies shown in the cinema. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Movie objects.  Data Type: Ienumerable<Movie>  Values:   * **Id**: define unique object. * **Title**: display name of the movie. * **Director**: director of the movie. * **Duration**: time length of the movie. * **Genre**: type of the movie (action, thriller, …) * **Cast**: actors and actresses of the movie. * **Description**: short described about the movie. * **Var**: define unique miove in order to get the sessiontimes. * **InfoUrl**: just used at the beginning to get the movie info. * **ImageUrl**: link to the image that represent the movie. * **TrailerUrl**: link to watch the official trailer of the movie. * **Is3d**: discribe whether the movie is 3d version or not. * **IsNowShowing**: discribe whether the movie is showing or not. * **Language**: such as Vietnamese without subtitle; … * **Producer**: producer of the movie.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get cinemas** | | **Quick Information** | |
| Get all cinemas. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/cinema/list | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve all cinemas. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Cinema objects.  Data Type: IEnumerable<Cinema>  Values:   * **Id**: define unique object and used to get sessiontimes. * **Name**: name of the cinema. * **DisplayName**: name for displaying of the cinema. * **Address:** address of the cinema. * **Phone**: phone to contact with the cinema. * **ImageUrl**: link to the image that represent the cinema. * **Latitude**: locate the cinema in google map. * **Longitude**: locate the cinema in google map.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get cinemas that show a movie** | | **Quick Information** | |
| Get all cinemas that showing or be going to show a specified movie. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/cinema/movie/{MovieId} | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve all cinemas that show a specified movie. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of Movie objects.  Data Type: IEnumerable<Cinema>  Values:   * **Id**: define unique object and used to get sessiontimes. * **Name**: name of the cinema. * **DisplayName**: name for displaying of the cinema. * **Address:** address of the cinema. * **Phone**: phone to contact with the cinema. * **ImageUrl**: link to the image that represent the cinema. * **Latitude**: locate the cinema in google map. * **Longitude**: locate the cinema in google map.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get session times** | | **Quick Information** | |
| Get all session times. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/session/list | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve all session times. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of SessionTime objects.  Data Type: IEnumerable<SessionTime>  Values:   * **Id**: define unique object. * **CinemaId**: reference to a cinema object. * **MovieId**: reference to a movie object. * **Date:** date the movie is shown. * **Time**: time the movie is shown.   Example: | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Get session times base on a combo of {movie,cinema}** | | **Quick Information** | |
| Get all session times base on a combination of a movie and a cinema. | | Requires Authentication | NO |
| Http method | GET |
| Request format | Json |
| Response format | json |
| **Url** | domain/session/list/{CinemaId}&{MovieId} domain/session/list/{MovieId}&{CinemaId} | | |
| **Headers** | | | |
| Content-Type | Value: application/json, charset=utf-8  Example: Content-Type: application/json, charset=utf-8 | | |
| **Request Parameters** | | | |
| **Response Parameters** | | | |
| Status | Result of the call.  Data Type: String  Values:   * **Success**: Successfully retrieve all session times base on a movie and a cinema. * **Failed**: Something is wrong, check the Message propety for exact information.   Example: Success | | |
| Message | Detail description of what went wrong or a success message.  Data Type: String  Example: Timed out connection to server. | | |
| Data | Enumeration of SessionTime objects.  Data Type: IEnumerable<SessionTime>  Values:   * **Id**: define unique object. * **CinemaId**: reference to a cinema object. * **MovieId**: reference to a movie object. * **Date:** date the movie is shown. * **Time**: time the movie is shown.   Example: | | |