Hợp Âm Chuẩn API

* Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| Term | Definition |
| Version | An Version object indentify the current song list available on website. |

* You Will Need
* **Public key**: to send with your POST request. This key is used to indentify who you are.
* **Private key**: this key is used to create **Signature**
* **Signature:** this string is created by hashing **Private Key** and **Data**
* Your URL to send request will be like this

[http://hopamchuan.com/api/{function\_name}](http://hopamchuan.com/api/%7Bfunction_name%7D) + publicKey + signature + jsondata

Example:

<http://hopamchuan.com/api/ver?publicKey=DFHRna346sDt52C&signature=dwhUIT54nE8&jsondata=fsafadsffnuisfheiw>

* Response data is in json format.
* API functions

|  |  |  |  |
| --- | --- | --- | --- |
| Method | Data | Return | Description |
| /api/ver | *from\_ver*: Integer | Version | The lasted version number |
| /api/song\_from\_to | *from\_ver*: Integer  *to\_ver*: Integer | Song[] | List of song was added from version *from\_ver* to version *to\_ver* |
| /api/song\_from | *from\_ver*: Integer | Song[] | List of song was added from version *from\_ver* to the lasted version |
| /api/playlists | *username*: String  *password*: String | Playlist[] | List of all playlist of the current user |
| /api/put\_playlists | *username*: String  *password*: String  *local\_playlists*: Playlist[] | Playlist[] | Put all local playlist to web server and receive all playlist from server |
| /api/put\_favorite | *username*: String  *password*: String  *local\_favorite:* Integer[] | Integer[] | Put all local favorite song id to web server and receive all favorite song id from server |
| /api/get\_profile | *username*: String  *password*: String | -1 or Profile | Check for login and return profile if username/password is correct |
| /api/get\_mp3\_link | *mp3Link*: String | String | Mp3 stream link |

Example:

URL: <http://hopamchuan.com/api/song_from>

$data = array('from\_ver' => 2);

→ List of song was added from version 2 to the lasted version

$jsondata = urlencode(base64\_encode(json\_encode($data)))

* Object Definition
* Version

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| id | Integer |  | Version number |
| date | String | yyyy-MM-dd hh:mm:ss | The time this version is published |
| song\_number | Integer |  | Number of songs in this version |

* Song

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| song\_id | Integer |  | Unique indentity number |
| title | String |  | Song title |
| link | String | [http://mp3.zing.vn/\*](http://mp3.zing.vn/*) | Link to mp3 song (Notice: not a direct mp3 link) |
| content | String |  | Song content |
| firstlyric | String |  | Fisrt few words of the song |
| date | String | yyyy-MM-dd hh:mm:ss | Created date |
| chords | Chord[] |  | Array of chord used in this song |
| authors | Artist[] |  | Array of author of this song |
| singers | Artist[] |  | Array of singer of this song |

* Chord

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| chord\_id | Integer |  | Unique indentity number |
| name | String |  | Chord name |

* Artist

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| artist\_id | Integer |  | Unique indentity number |
| artist\_name | String |  | Artist name |
| artist\_ascii | String |  | Artist name without accient |

* Playlist

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| playlist\_id | Integer |  | Unique indentity number |
| name | String |  | Playlist name |
| description | String |  | Playlist description |
| date | String | yyyy-MM-dd hh:mm:ss | Created date |
| public | Integer | 0 or 1 | 1 = public; 0 = private |
| song\_ids | Integer[] |  | Array of the song ID in this playlist |

* Profile

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| id | Integer |  | User ID |
| username | String |  | Username |
| password | String |  | Password |
| email | String |  | User email |
| avatar\_link | String | [http://hopamchuan.com/\*](http://hopamchuan.com/*) | Avatar direct link |