Non-stop casino games

Client-server communications

Protocol description

Table of contents

The basics

Websocket protocol is used for communications between client and server.

Client initiates the connections, and sends requests to the server when needed.

Both client and server use JSON for data wrapping.

Client may not send the next command to the server until it receives a reply to the previous one.

Required request parameters

Regular request looks like this:

```
{  "set": "something",
   "foo": "bar",
   // ... some other options
}
```

Either `set` or `get` option must be present in client request.

In reply the server will repeat the entire request in `on` option.

```
{  "on": {
          "set": "something",
          "foo": "bar",
          // ...all other options from original request
   },
   "something": // ... main result can be found here
   // ... server may send some other options as well
}
```

Server will execute the command and send the result in the option named as `set` or `get` in request.

Client authentication

<table>
<tr>
<td>Request</td>
<td>

```
var jrequest = {
       "set": "authentication",
       "location": window.location,
       "cookie": document.cookie,
       "key": "ba614aC3" // authentication key
};
// Note. it’s important to send actual location object
// and actual browser cookies.

// convert json object to string
var str_request = JSON.stringify( jrequest );
// send string to server
websocket.send ( str_request );
```

</td>
</tr>
<tr>
<td>Successful reply</td>
<td>

```
{
       "on": {
              "set": "authentication",
              // ... request parameters repeated
       },
       "authentication": true,
       "set_cookie": "some text string"
}

// client must save received cookie:
if(reply.set_cookie)
    for(var i=0; i<reply.set_cookie.length; i++)
        document.cookie = reply.set_cookie[i];
```

</td>
</tr>
<tr>
<td>Error</td>
<td>

```
{
       "on": {
              "set": "authentication",
              // ... request parameters repeated
       },
       "authentication": false
}
```

</td>
</tr>
</table>

In the following requests the `on` option in reply will not be mentioned. But it will always be present there.

Game list request

<table>
<tr><td>Request</td><td><pre>{
        "get": "game_list"
}</pre></td></tr>
<tr><td>Successful reply</td><td><pre>{
        "game_list": [
                {
                        "tag": "bananasGoBahamas",
                        "title": "Bananas Go Bahamas",
                        "id": 8
                },
                {
                        "tag": "bingo", // unique short game name
                        "title": "Bingo 5x5", // game title
                        "id": 1 // unique game ID
                },
                {
                        "tag": "bookOfRa",
                        "title": "Book Of Ra",
                        "id": 6
                },
                // ...
        ]
}</pre></td></tr>
<tr><td>Error</td><td><pre>{
        "game_list": false
}</pre></td></tr>
</table>

Game select

<table>
<tr><td>Request</td><td><pre>{
        "set": "game",
        "game": "bananasGoBahamas"
}</pre></td></tr>
<tr><td>Successful reply</td><td><pre>{
        "game": {
                "tag": "bananasGoBahamas",
                "id": 8,
                "family": "slot1",
                "size": {
                        "width": 5, // reels number
                        "height": 3 // items per visible part of the reel
                },
                "paytable": // paytable, see description below
                "lines": // lines configuration, , see description below
                "config": {
                        "lines": 10 // maximum number of lines available
                },
                "bigwin_level": // big win trigger levels
        },
        "bets": // array of possible bet sums
        "previous": // information about previous bet
        "wallet": // wallet information, total balance and currency name
}</pre></td></tr>
<tr><td>Error</td><td><pre>{
        "game": false
}</pre></td></tr>
</table>

Paytable

Request

```
{
        "get": "paytable",
        "multiplier": false // optional
}
```

Successful reply

```
{
        "tag": "bananasGoBahamas", // unique game short name
        "id": 8, // game unique ID
        "family": "slot1", // game family
        "size": {
                "width": 5, // number of reels
                "height": 3 // number of visible cells per reel
        },
        "paytable": {
                "regular": // symbol type (regular|scatter|wild)
                [
                        {
                                "id": 1, // unique per game ID
                                "name": "nine", // friendly name
                                "price": // either multiplier or price
                                [        // (depends on multiplier
                                         //  option in request)
                                        0,     // price for 1 symbol
                                        10,    // price for 2 symbols
                                        25     // ...
                                ]
                        }
                ], // ...
        },
        "lines": [   // lines configuration
                [
                        "XX---",     // upper row of the screen
                        "--X--",
                        "---XX"
                ]
        ],
        "config": {
                "lines": 10  // maximum number of lines
        },
        "bigwin_level": [   // big win trigger values
                20, 100, 250
        ]
}
```

Error

```
{
        "paytable": false
}
```

Get game options

Request

```
{
        "get": "options"
}
```

Successful reply

```
{
        "options": {
                // see below
        }
}
```

Error

```
{
        "options": false
}
```

Set game options

<table>
<tr>
<td>Request</td>
<td><pre>{
        "set": "options",
        "num_lines": 9,   // optional, number of lines selected (integer)
        "bet_sum": 2.50   // optional, bet sum (float)
}</pre></td>
</tr>
<tr>
<td>Successful reply</td>
<td><pre>{
        "options": {
                "bet_sum": 2.50,   // actual bet sum
                "num_lines": 9   // actual number of selected lines
        }
}</pre></td>
</tr>
<tr>
<td>Error</td>
<td><pre>{
        "options": false
}</pre></td>
</tr>
</table>