**API Documentation**

**(*Game App*)**

| **Version** | **Date** | **Author** |
| --- | --- | --- |
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## **1. Introduction**

**Purpose:**

This API provides authentication services for a mobile game application. It allows users to log in and receive a JWT token containing their roles and access regions. The token is then used to authorize access to different parts of the game.

**Features:**

- Username and password authentication

- JWT token generation

- Region-based access control

## **2. Endpoints**

## **2.1. login:**

Authenticate the user with the credentials.

## **Request**

| **Method** | **URL** |
| --- | --- |
| **POST** | api/Auth/login |
| **Headers** | “Content-type”: “Application/json” |
| **Body** | {  "username": “string”,  "password": “string”  } |

## **Response**

| **Status** | **Response** |
| --- | --- |
| 200 | {  "token": "string",  "roles": "string",  "regions": ["string"]  } |
| 401 | {"error":"Incorrect username or password."} |

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## **2.2. player-area**

Get the Player Area

## **Request**

| **Method** | **URL** |
| --- | --- |
| **GET** | api/Game/player-area |
| **Headers** | “Content-type”: “Application/json”, “Authorization”: “Bearer {token}” |

## **Response**

| **Status** | **Response** |
| --- | --- |
| 200 | {"message":"Welcome Player"} |
| 403 | Forbidden |
| 401 | UnAuthorized |

## **2.3. admin-area**

Get the Admin Area

## **Request**

| **Method** | **URL** |
| --- | --- |
| **GET** | api/Game/admin-area |
| **Headers** | “Content-type”: “Application/json”, “Authorization”: “Bearer {token}” |

## **Response**

| **Status** | **Response** |
| --- | --- |
| 200 | {"message":"Welcome Admin"} |
| 403 | Forbidden |
| 401 | UnAuthorized |

## **3. JWT Structure:**

#### Header: {

"alg":"HS256",

“typ”: “JWT”

}

#### Payload:

{

"unique\_name": "admin",

"role": "admin",

"regions": [

"b\_game",

"vip\_chararacter\_personalize"

],

"nbf": 1716910086,

"exp": 1716913686,

"iat": 1716910086,

"iss": "GameApp",

"aud": "GameApp"

}

#### Signature: Generated using secret key and HMAC SHA256 Algorithm.

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