

Game Project API Documentation

This document outlines the available endpoints for user authentication and email services within the Game Project application.

Base URL

```
https://dice-627497957398.europe-west1.run.app
```

1. User Authentication

1.1. User Signup

POST Endpoint

```
/api/auth/emailSignup/api/auth/emailSignup
```

Registers a new user in the system.

Request Body (JSON)

```
{
  "email": "string",
  "password": "string",
  "displayName": "string",
  "role": "string"
}
```

Response (JSON)

```
{
  "uid": "long_key",
  "email": "auth@gmail.com",
  "displayName": "Hamza",
  "role": "user"
}
```

1.2. User Login

GET Endpoint

```
/api/auth/emailLogin?email=abc@gmail.com&password=Auth@123
```

Logs in a new user in the system. requires a proper formatted email and a strong password.

Response (JSON)

```
{
  "uid": "692f0ffbbf31a215d6ebcab8",
  "email": "auth@gmail.com",
  "displayName": "Hamza",
  "role": "user"
}
```

1.3. Forgot Password

POST Endpoint

```
/api-mailsender/forgotPassword/api-mailsender/forgotPassword
```

Sends an email to specified email address with a verification code if passwords are matching.

Request Body (JSON)

```
{  
  "email": "princehamzi.mine@gmail.com",  
  "newPassword": "user@456",  
  "confirmPassword": "user@456"  
}
```

Response (JSON)

```
{  
  "status": "200",  
  "message": "Verification code sent to email",  
  "verificationCode": 339428  
}
```

1.4. Reset Password

POST Endpoint

api-mailsender/resetPassword

Sets new password if email exist

Request Body (JSON)

```
"email": "princehamzi.mine@gmail.com",  
"password": "Hamza@786"  
}
```

Response (JSON)

```
{  
  "status": "200",  
  "message": "Password reset successfully"  
}
```

2. Live users & gameplay

2.1. Live users

GET Endpoint /api/game/searchPlayers

Response (JSON)

```
{  
  "onlineUsers":  
  [  
    {  
      "uid": "abc345ASF753Bgh346wsdw3",  
      "displayName": "Hamza"  
    }  
  ]  
}
```

2.2. Roll Dice

POST Endpoint /api/game/rollDice

Request Body (JSON)

```
[
  {
    "uid": "user_001",
    "displayName": "Alice"
  },
  {
    "uid": "user_002",
    "displayName": "Bob"
  },
  {
    "uid": "user_003",
    "displayName": "Charlie"
  },
  {
    "uid": "user_004",
    "displayName": "Diana"
  },
  {
    "uid": "user_005",
    "displayName": "Ethan"
  }
]
```

Response (JSON)

```
[
  {
    "uid": "user_001",
    "displayName": "Alice",
    "rollDiceResult": 5,
    "winsAgainst": []
  },
  {
    "uid": "user_002",
    "displayName": "Bob",
    "rollDiceResult": 3,
    "winner": true,
    "winsAgainst": [
      "user_001",
      "user_003"
    ]
  },
  {
    "uid": "user_003",
    "displayName": "Charlie",
    "rollDiceResult": 12,
    "winsAgainst": []
  },
  {
    "uid": "user_004",
    "displayName": "Diana",
    "rollDiceResult": 4,
    "winsAgainst": []
  },
  {
    "uid": "user_005",
    "displayName": "Ethan",
    "rollDiceResult": 11,
    "winsAgainst": []
  }
]
```