

# Quran Memorization & Islamic Education Platform API Documentation

## Base URL

`http://localhost:3000/api`

## Authentication Endpoints

### Register User

- **POST** /auth/register
- **Description:** Register a new user
- **Request Body:**

```
{
  "name": "string",
  "email": "string",
  "password": "string",
  "phone": "string",
  "quranMemorized": "string",
  "numOfPartsofQuran": "number"
}
```

- **Response:** 201 Created

```
{
  "message": "User registered successfully. Please verify your email.",
  "accessToken": "string",
  "user": {
    "id": "string",
    "name": "string",
    "email": "string"
  }
}
```

## Login

- **POST** /auth/login
- **Description:** Authenticate user and get tokens
- **Request Body:**

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

- **Response:** 200 OK

```
{
  "message": "Login successful",
  "accessToken": "string",
  "user": {
    "id": "string",
    "name": "string",
    "email": "string"
  }
}
```

## Social Login

- **POST** /auth/google
- **Description:** Login with Google
- **Request Body:**

```
{  
  "idToken": "string"  
}
```

## Password Reset

- **POST** /auth/forgot-password
- **Request Body:**

```
{  
  "email": "string"  
}
```

- **POST** /auth/reset-password
- **Request Body:**

```
{  
  "token": "string",  
  "password": "string"  
}
```

## User Management Endpoints

### Get User Profile

- **GET** /users/profile
- **Authorization:** Bearer Token required
- **Response:** 200 OK

```
{
  "success": true,
  "message": "User profile retrieved successfully",
  "data": {
    "name": "string",
    "email": "string",
    "phone": "string",
    "role": "string",
    "quranMemorized": "string",
    "numOfPartsofQuran": "number"
  }
}
```

## Update User Profile

- **PUT** /users/profile
- **Authorization:** Bearer Token required
- **Request Body:**

```
{
  "name": "string",
  "email": "string",
  "phone": "string"
}
```

## Lesson Management Endpoints

### Get Lesson by ID

- **GET** /lessons/:id
- **Authorization:** Bearer Token required
- **Response:** 200 OK

```
{
  "id": "string",
  "groupId": {
    "name": "string",
    "description": "string",
    "type": "string"
  },
  "subject": "string",
  "scheduledAt": "date",
  "meetingLink": "string",
  "status": "string"
}
```

## Add Lesson to Group

- **POST** /lessons/group/:id
- **Authorization:** Bearer Token required
- **Request Body:**

```
{
  "subject": "string",
  "scheduledAt": "date",
  "meetingLink": "string"
}
```

## Group Management Endpoints

### Create Group

- **POST** /groups
- **Authorization:** Bearer Token required
- **Request Body:**

```
{
  "name": "string",
  "description": "string",
  "type": "private | public",
  "teacherId": "string",
  "meetingLink": "string",
  "usualDate": {
    "firstDay": "string",
    "firstDayTime": "string",
    "secondDay": "string",
    "secondDayTime": "string"
  }
}
```

## Add Member to Group

- **POST** /groups/:id/members
- **Authorization:** Bearer Token required
- **Request Body:**

```
{
  "memberId": "string"
}
```

## Teacher Management Endpoints

### Create Teacher

- **POST** /teachers
- **Authorization:** Bearer Token (Admin) required
- **Request Body:**

```
{
  "name": "string",
  "email": "string",
  "password": "string",
  "phone": "string",
  "specialization": ["string"],
  "meetingLink": "string",
  "availability": "object"
}
```

## Get Teacher Groups

- **GET** /teachers/:id/groups
- **Authorization:** Bearer Token required

## Report Management Endpoints

### Create Lesson Report

- **POST** /reports/lessons/:lessonId
- **Authorization:** Bearer Token (Teacher) required
- **Request Body:**

```
{
  "studentId": "string",
  "attended": "boolean",
  "content": "string",
  "newMemorized": "string",
  "notes": "string",
  "rating": "number"
}
```

### Get Student Reports

- **GET** /reports/students/:id
- **Authorization:** Bearer Token required

# Admin Endpoints

## Get All Users

- **GET** /admin/users
- **Authorization:** Bearer Token (Admin) required

## Verify User

- **PUT** /admin/users/verify
- **Authorization:** Bearer Token (Admin) required
- **Request Body:**

```
{  
  "userId": "string"  
}
```

## Update User Credits

- **PUT** /admin/users/credits
- **Authorization:** Bearer Token (Admin) required
- **Request Body:**

```
{  
  "userId": "string",  
  "privateAmount": "number",  
  "publicAmount": "number"  
}
```



# Common Response Formats

## Success Response

```
{
  "success": true,
  "message": "string",
  "data": "object"
}
```

## Error Response

```
{
  "success": false,
  "message": "string",
  "error": {
    "code": "string",
    "details": "object"
  }
}
```

## Authentication

All protected endpoints require a valid JWT token in the Authorization header:

```
Authorization: Bearer <token>
```

## Rate Limiting

API requests are subject to rate limiting. Current limits:

- 100 requests per IP per 15 minutes for public endpoints
- 1000 requests per IP per 15 minutes for authenticated endpoints

# Notes

- All timestamps are in ISO 8601 format
- All IDs are MongoDB ObjectIDs
- File upload size limit: 5MB
- Request body should be in JSON format with Content-Type: application/json header