

# API Documentation for Evangadi Forum

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## Authentication Middleware

**Endpoint:** `/api/user/checkUser`

**Method:** `GET`

**Description:** Checks the current authenticated user's information.

### Request Headers

- **Authorization:** Bearer token

### Successful Response

**Status Code:** `200 OK`

**Content-Type:** `application/json`

```
{
  "message": "Valid user",
  "username": "Kebede",
  "userid": "123"
}
```

### Error Responses

**Status Code:** `401 Unauthorized`

**Description:** Authentication credentials were missing or incorrect.

```
{
  "error": "Unauthorized",
  "message": "Authentication invalid"
}
```

## Sign-up

**Endpoint:** /api/user/register

**Method:** POST

**Description:** Registers a new user.

### Request Body

- `username` (string): The username of the user.
- `first_name` (string): The first name of the user.
- `last_name` (string): The last name of the user.
- `email` (string): The email of the user.
- `password` (string): The password of the user.

### Successful Response

**Status Code:** 201 Created

**Content-Type:** application/json

```
{  
  "message": "User registered successfully"  
}
```

### Error Responses

**Status Code:** 400 Bad Request

**Description:** Missing or invalid fields.

```
{  
  "error": "Bad Request",  
  "message": "Please provide all required fields"  
}
```

**Status Code:** 400 Bad Request

**Description:** Missing or invalid fields.

```
{  
  "error": "Bad Request",  
  "message": "Password must be at least 8 characters"  
}
```

**Status Code:** 409 Conflict

**Description:** A user with the provided username or email already exists.

```
{  
  "error": "Conflict",  
  "message": "User already existed"  
}
```

**Status Code:** 500 Internal Server Error

**Description:**An unexpected error occurred.

```
{  
  "error": "Internal Server Error",  
  "message": "An unexpected error occurred."  
}
```

## Login

**Endpoint:** /api/user/login

**Method:** POST

**Description:** Authenticates a user and returns a JWT token.

### Request Body

- `email`(string): The email of the user.
- `password` (string): The password of the user.

### Successful Response

**Status Code:** 200 OK

**Content-Type:** application/json

```
{
  "message": "User login successful",
  "token": "jwt_token"
}
```

### Error Responses

**Status Code:** 401 Unauthorized

**Description:** Invalid credentials.

```
{
  "error": "Unauthorized",
  "message": "Invalid username or password"
}
```

**Status Code:** 400 Bad Request

**Description:** Missing or invalid fields.

```
{
  "error": "Bad Request",
  "message": "Please provide all required fields"
}
```

**Status Code:** 500 Internal Server Error

**Description:**An unexpected error occurred.

```
{  
  "error": "Internal Server Error",  
  "message": "An unexpected error occurred."  
}
```

## Get Answers for a Question

**Endpoint:** `api/answer/:question_id`

**Method:** `GET`

**Description:** Retrieves answers for a specific question.

### URL Parameters

- `question_id` (integer): The unique identifier of the question.

### Successful Response

**Status Code:** `200 OK`

**Content-Type:** `application/json`

```
{
  "answers": [
    {
      "answer_id": 1,
      "content": "This is an answer.",
      "user_name": 'Abebe',
      "created_at": "2023-06-30T12:00:00Z"
    },
    {
      "answer_id": 2,
      "content": "This is another answer.",
      "user_name": 'Almaz',
      "created_at": "2023-06-30T13:00:00Z"
    }
  ]
}
```

### Error Responses

**Status Code:** `404 Not Found`

**Description:** The specified question was not found.

```
{
  "error": "Not Found",
  "message": "The requested question could not be found."
}
```

**Status Code:** 500 Internal Server Error

**Description:** An unexpected error occurred.

```
{  
  "error": "Internal Server Error",  
  "message": "An unexpected error occurred."  
}
```

## Post Answers for a Question

**Endpoint:** `api/answer`

**Method:** `POST`

**Description:** Submits an answer for a specific question.

### Request Body

- `questionid` (number): The id for a specific question.
- `answer` (string): The answer for a specific question.

### Successful Response

**Status Code:** `201 Created`

**Content-Type:** `application/json`

```
{
  "message": "Answer posted successfully"
}
```

### Error Responses

**Status Code:** `400 Bad Request`

**Description:** Missing or invalid fields.

```
{
  "error": "Bad Request",
  "message": "Please provide answer"
}
```

**Status Code:** `500 Internal Server Error`

**Description:** An unexpected error occurred.

```
{
  "error": "Internal Server Error",
  "message": "An unexpected error occurred."
}
```



## Get All Questions

**Endpoint:** `api/question`

**Method:** `GET`

**Description:** Fetches all questions.

### Successful Response

**Status Code:** `200 OK`

**Content-Type:** `application/json`

json

Copy code

```
{
  "questions": [
    {
      "question_id": 1,
      "title": "First Question",
      "content": "This is the first question.",
      "user_name": 'Sisay',
      "created_at": "2023-06-30T12:00:00Z"
    },
    {
      "question_id": 2,
      "title": "Second Question",
      "content": "This is the second question.",
      "user_name": 'Sara',
      "created_at": "2023-06-30T13:00:00Z"
    }
  ]
}
```

### Error Responses

**Status Code:** `404 Not Found`

**Description:** No questions found.

```
{
  "error": "Not Found",
  "message": "No questions found."}
```

**Status Code:** 500 Internal Server Error

**Description:** An unexpected error occurred.

```
{  
  "error": "Internal Server Error",  
  "message": "An unexpected error occurred."  
}
```

## Get Single Question

**Endpoint:** `api/question/:question_id`

**Method:** `GET`

**Description:** Retrieves details of a specific question.

### URL Parameters

- `question_id` (integer): The unique identifier of the question.

### Successful Response

**Status Code:** `200 OK`

**Content-Type:** `application/json`

```
{
  "question": {
    "question_id": 1,
    "title": "First Question",
    "content": "This is the first question.",
    "user_id": 123,
    "created_at": "2023-06-30T12:00:00Z"
  }
}
```

### Error Responses

**Status Code:** `404 Not Found`

**Description:** The specified question was not found.

```
{
  "error": "Not Found",
  "message": "The requested question could not be found."
}
```

**Status Code:** `500 Internal Server Error`

**Description:** An unexpected error occurred.

```
{
  "error": "Internal Server Error",
}
```

```
"message": "An unexpected error occurred."  
}
```

## Post Question

**Endpoint:** `api/question`

**Method:** `POST`

**Description:** Creates a new question.

### Request Body

- `title` (string): The title of the question.
- `description` (string): The description of the question.

### Successful Response

**Status Code:** `201 Created`

**Content-Type:** `application/json`

```
{
  "message": "Question created successfully"
}
```

### Error Responses

**Status Code:** `400 Bad Request`

**Description:** Missing or invalid fields.

json

Copy code

```
{
  "error": "Bad Request",
  "message": "Please provide all required fields"
}
```

**Status Code:** `500 Internal Server Error`

**Description:** An unexpected error occurred.

```
{
  "error": "Internal Server Error",
  "message": "An unexpected error occurred."
}
```