## **API Documentation for Evangadi Forum**

### **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"

}

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### **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."

}

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### **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."

}

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### **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."

}

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### **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

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{

"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."

}

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### **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."

}