**API Documentation**

**Purpose**

The API manages user notification preferences.

**Endpoints**

**POST /preferences**

* **Description**: Create a new user preference.
* **Request Body**:

{

"userId": "12345",

"email": "user@example.com",

"preferences": {

"marketing": true,

"newsletter": false,

"updates": true,

"frequency": "daily",

"channels": {

"email": true,

"sms": false,

"push": true

}

},

"timezone": "UTC"

}

* **Response**:

{

"userId": "12345",

"email": "user@example.com",

"preferences": {

"marketing": true,

"newsletter": false,

"updates": true,

"frequency": "daily",

"channels": {

"email": true,

"sms": false,

"push": true

}

},

"timezone": "UTC",

"\_id": "1234567890abcdef",

"\_\_v": 0

}

**GET /preferences/:userId**

* **Description**: Retrieve user preferences by userId.
* **Response**:

{

"userId": "12345",

"email": "user@example.com",

"preferences": {

"marketing": true,

"newsletter": false,

"updates": true,

"frequency": "daily",

"channels": {

"email": true,

"sms": false,

"push": true

}

},

"timezone": "UTC"

}

**PUT /preferences/:userId**

* **Description**: Update user preferences by userId.
* **Request Body**:

{

"preferences": {

"marketing": false,

"newsletter": true,

"updates": false,

"frequency": "weekly",

"channels": {

"email": false,

"sms": true,

"push": false

}

},

"timezone": "PST"

}

* **Response**:

{

"userId": "12345",

"email": "user@example.com",

"preferences": {

"marketing": false,

"newsletter": true,

"updates": false,

"frequency": "weekly",

"channels": {

"email": false,

"sms": true,

"push": false

}

},

"timezone": "PST"

}

**DELETE /preferences/:userId**

* **Description**: Delete user preferences by userId.
* **Response**:

{

"message": "User preferences deleted successfully."

}