Invoice Generator API Documentation

# Table of Contents

1. User Registration  
2. User Login  
3. Add Products  
4. View Quotations  
5. Download Quotation PDF  
6. Download Quotation Image

## User Registration

### Endpoint

POST /api/users/register

### Description

Registers a new user with a name, email, and password. The email must be unique.

### Sample Payload

{  
 "name": "John Doe",  
 "email": "johndoe@example.com",  
 "password": "password123"  
}

### Sample Response

Success (201 Created):

{  
 "msg": "User registered successfully"  
}

Failure (400 Bad Request):

{  
 "errors": [  
 {  
 "msg": "Email already exists",  
 "param": "email",  
 "location": "body"  
 }  
 ]  
}

## User Login

### Endpoint

POST /api/users/login

### Description

Logs in a user with an email and password, returning an auth token upon successful login.

### Sample Payload

{  
 "email": "johndoe@example.com",  
 "password": "password123"  
}

### Sample Response

Success (200 OK):

{  
 "token": "your-jwt-token"  
}

Failure (400 Bad Request):

{  
 "errors": [  
 {  
 "msg": "Invalid email or password",  
 "param": "email",  
 "location": "body"  
 }  
 ]  
}

## Add Products

### Endpoint

POST /api/products/add

### Description

Adds a list of products to the user's quotations and generates a PDF or image file.

### Headers

- Authorization: Bearer <jwt\_token>  
- Content-Type: application/json

### Sample Payload

{  
 "products": [  
 { "name": "Product1", "qty": 2, "rate": 100 },  
 { "name": "Product2", "qty": 3, "rate": 200 }  
 ],  
 "format": "pdf" // or "image"  
}

### Sample Response

Success (200 OK - PDF):

- Content-Type: application/pdf  
- File: quotation.pdf

Success (200 OK - Image):

- Content-Type: image/png  
- File: quotation.png

Failure (400 Bad Request):

{  
 "msg": "Invalid format requested"  
}

## View Quotations

### Endpoint

GET /api/quotations

### Description

Returns a list of all quotations generated by the user.

### Headers

Authorization: Bearer <jwt\_token>

### Sample Response

Success (200 OK):

{  
 "quotations": [  
 {  
 "id": "669dcc9b842e2fd4d643d692",  
 "date": "2024-07-22T08:30:00Z",  
 "products": [  
 { "name": "Product1", "qty": 2, "rate": 100, "gst": 18 },  
 { "name": "Product2", "qty": 3, "rate": 200, "gst": 36 }  
 ]  
 }  
 ]  
}

## Download Quotation PDF

### Endpoint

GET /api/quotations/pdf/:id

### Description

Downloads the PDF file for the specified quotation.

### Headers

Authorization: Bearer <jwt\_token>

### Sample Response

Success (200 OK):

- Content-Type: application/pdf  
- File: quotation.pdf

Failure (404 Not Found):

{  
 "msg": "Quotation not found"  
}

## Download Quotation Image

### Endpoint

GET /api/quotations/image/:id

### Description

Downloads the image file for the specified quotation.

### Headers

Authorization: Bearer <jwt\_token>

### Sample Response

Success (200 OK):

- Content-Type: image/png  
- File: quotation.png

Failure (404 Not Found):

{  
 "msg": "Quotation not found"  
}