# MODULE 1 – User & Role Management

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/auth/register | POST | All | Users | Users (INSERT) | Create new user with role, company info, hashed password |
| /api/auth/login | POST | All | Users | - | Validate email + password, return JWT |
| /api/users/me | GET | All | Users | - | Fetch user profile |
| /api/users/me | PUT | All | Users | Users (UPDATE) | Update profile |

# MODULE 2 – Supplier Module

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/supplier/products | GET | Supplier | Products | - | List supplier products |
| /api/supplier/products | POST | Supplier | - | Products (INSERT) | Add new product |
| /api/supplier/products/{id} | PUT | Supplier | Products | Products (UPDATE) | Update product |
| /api/supplier/products/{id} | DELETE | Supplier | Products | Products (UPDATE) | Soft delete product |
| /api/supplier/offers | GET | Supplier | OfferThreads, OfferMessages | - | List negotiation threads |
| /api/supplier/offers/{threadId} | GET | Supplier | OfferThreads, OfferMessages | - | View single negotiation thread |

# MODULE 3 – Buyer Module

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/products | GET | Buyer | Products | - | Search products |
| /api/products/{id} | GET | Buyer | Products | - | View product details |
| /api/buyer/offers | GET | Buyer | OfferThreads, OfferMessages | - | List buyer threads |
| /api/buyer/offers | POST | Buyer | Products | OfferThreads, OfferMessages | Create new negotiation |
| /api/buyer/offers/{threadId} | GET | Buyer | OfferThreads, OfferMessages | - | Get thread history |
| /api/buyer/orders | GET | Buyer | Orders | - | List buyer orders |
| /api/buyer/orders/{orderId} | GET | Buyer | Orders, LogisticsJobs | - | View order + status + docs |

# MODULE 4 – Negotiation & Order Management

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/offer-threads/{id} | GET | Buyer/Supplier | OfferThreads, OfferMessages | - | View negotiation |
| /api/offer-threads/{id}/messages | GET | Buyer/Supplier | OfferMessages | - | Get thread messages |
| /api/offer-threads/{id}/messages | POST | Buyer/Supplier | OfferThreads | OfferMessages (INSERT) | Add new message |
| /api/offers/{id}/accept | PUT | Buyer/Supplier | OfferThreads, OfferMessages | OfferThreads, Orders, LogisticsJobs | Accept offer → Create Order + Job |
| /api/offers/{id}/reject | PUT | Buyer/Supplier | OfferThreads | OfferThreads (UPDATE) | Reject negotiation |
| /api/orders/{orderId} | GET | All Roles | Orders | - | Get order info |
| /api/orders/{orderId}/status | PUT | Supplier/Logistics | Orders | Orders, OrderStatusHistory | Update order status |

# MODULE 5 – Logistics Management

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/logistics/jobs/available | GET | Logistics | LogisticsJobs | - | List open jobs |

| | | | | | |
|---|---|---|---|---|---|
| /api/logistics/jobs/assigned | GET | Logistics | LogisticsJobs | - | List assigned jobs |
| /api/logistics/jobs/{jobId} | GET | All | LogisticsJobs, Orders | - | Job details |
| /api/logistics/jobs/{jobId}/quotes | GET | Logistics | LogisticsQuotes | - | List quotes |
| /api/logistics/jobs/{jobId}/quotes | POST | Logistics | LogisticsJobs | LogisticsQuotes (INSERT) | Submit quote |
| /api/logistics/quotes/{quoteId}/accept | PUT | Buyer | LogisticsQuotes, LogisticsJobs | Orders, LogisticsJobs | Accept quote + update order |
| /api/logistics/jobs/{jobId}/status | PUT | Logistics | LogisticsJobs, Orders | Orders, OrderStatusHistory | Update delivery status |

## MODULE 6 – Billing & Document Generation

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/orders/{orderId}/documents | GET | All | Documents | - | List documents |
| /api/documents/{docId} | GET | All | Documents | - | Get document info |
| /api/documents/{docId}/download | GET | All | Documents | - | Download PDF |
| /api/orders/{orderId}/documents/invoice | POST | System | Orders | Documents (INSERT) | Generate invoice |
| /api/orders/{orderId}/documents/challan | POST | System | Orders | Documents (INSERT) | Generate challan |

## MODULE 7 – Route Suggestion

| Endpoint | Method | Used By | Tables Read | Tables Written | Description |
|---|---|---|---|---|---|
| /api/logistics/jobs/{jobId}/route-suggestions | POST | Logistics | LogisticsJobs | RouteSuggestions (INSERT) | Generate route |
| /api/logistics/jobs/{jobId}/route-suggestions/latest | GET | All | RouteSuggestions | - | Get latest route |