

Custom Request for Quote (RFQ) – Magento 2 Implementation Plan

Scope

Build **Single Quote** and **Multi Quote** functionality from scratch without using any third-party extensions.

1. Functional Requirements

1.1 Single Quote

- Request quotation for **one product**
- Available on Product Detail Page
- Fields:
 - Product (auto-filled)
 - Quantity
 - Customer details (auto for logged-in users)
 - Message (optional)
- Submit request to vendor

1.2 Multi Quote

- Request quotation for **multiple products (2–10+)** in one submission
 - Products selected via:
 - Add to Quote button (listing/cart)
 - Single form submission
 - One quote request → multiple quote items
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2. User Flow

Customer Flow

1. Click **Request Quote / Add to Quote**
2. Fill quote request form
3. Submit
4. Status: Pending
5. Receive vendor response via email / dashboard

Vendor Flow

1. View incoming quote requests
 2. Add prices per item
 3. Update status (Responded / Rejected)
 4. Notify customer
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3. Database Design

vendor_quote (Quote Header)

- quote_id (PK)
- customer_id
- vendor_id
- status (pending, responded, rejected)
- created_at

vendor_quote_item (Quote Items)

- item_id (PK)
 - quote_id (FK)
 - product_id
 - qty
 - proposed_price
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4. Module Architecture

```
Vendor_QuoteRequest
├── Controller
│   ├── Quote/Single
│   └── Quote/Multi
├── Model
│   ├── Quote
│   └── QuoteItem
├── ResourceModel
├── Block / ViewModel
├── view/frontend
│   ├── templates
│   └── layout
├── view/adminhtml / vendorhtml
├── email
└── etc
```

5. Frontend Components

- Request Quote button (PDP)
- Add to Quote button (Listing / Cart)
- Quote request form
- Customer quote history page

6. Vendor Panel / Admin

- Quote list grid
 - Quote detail view
 - Price input per item
 - Status update
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7. Notifications

- Customer → Vendor: New quote request
 - Vendor → Customer: Quote response
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8. Security & Validation

- Logged-in users only (optional)
 - CSRF protection
 - Vendor ownership validation
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9. Effort Estimation

Task	Estimated Time
DB & module setup	1 day
Single quote flow	1 day
Multi quote flow	1.5 days
Vendor panel integration	1 day
Email & testing	0.5 day
Total	~5 days

10. Notes

- No third-party extension used
 - Lightweight & maintainable
 - Can be extended later if required
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Prepared for: Internal Development Team