

CStar Portal - Verified Service Purchase Module

All Services, Cart, Checkout, 18% GST, Payment Gateway, Buy Service and Transaction Flow

Assigned Developer	Mr. Lavish Chauhan
Panel	CStar - Client Portal
Main Rule	Important = API / AJAX pe hi
Service Filter	Sirf service table ki status = 'Verified' services client ko dikhengi

1. Module ka Final Scope

- List 1 - All Verified Services: service table se sabhi Verified services name, description, price/amount aur zaroori details ke saath show karani hain.
- List 2 - My Purchased Services: payment success ke baad buy_service table se logged-in client ki kharidi hui services show karani hain.
- Cart Page: client ek ya multiple services cart me add kar sakta hai, quantity per service default 1 rahegi.
- Checkout Page: cart ki service IDs se server par fresh service details aur price fetch honge; subtotal, 18% GST aur final payable total show hoga.
- Payment Success: gateway verification successful hone ke baad buy_service rows, transaction entry aur cart clear operation ek safe database flow me honge.

2. Sidebar / Pages

Page / Option	Purpose	Access
All Services	Verified services ki catalog/list; Add to Cart button	All logged-in CStar clients
Cart	Selected services, remove action, subtotal preview	Current client
Checkout	Fresh price fetch, GST calculation, payment order create	Current client
My Purchased Services	buy_service se purchased services list	Current client only

3. All Verified Services List

- API query me mandatory filter: WHERE status = 'Verified'.
- Har service card/row me Service Name, Description, Price/Amount, Fee (agar alag field hai), status badge aur Add to Cart button dikhana hai.
- Add to Cart me browser se bheji price trust nahi karni; sirf service_id bhejni hai. Price checkout par database se dobara fetch hogi.
- Same service cart me duplicate add na ho; duplicate click par quantity increase na karke "Already in Cart" response dena preferred hai.
- Search/filter frontend AJAX se ho sakta hai; main service data API se aayega.

Verified Service Fetch Example

```
SELECT id, service_name, description, amount, fee, status FROM service WHERE status = 'Verified' ORDER BY id DESC
```

4. Cart Flow

- Cart logged-in client ki session/cid se linked hona chahiye. Cart DB table ya secure server-side session se manage ho sakta hai.
- Cart me service_id, service name aur current preview price show hogi. Final price checkout par fresh fetch hogi.
- Client service remove kar sakta hai; Clear Cart button bhi ho sakta hai.
- Cart total frontend par preview ho sakta hai, lekin payment amount sirf backend calculation se create hoga.
- Cart me sirf Verified services allowed hain. Agar checkout se pehle service status change ho jaye to checkout API us service ko reject/remove kare.

5. Checkout Calculation

Calculation	Formula / Rule
Subtotal	Selected Verified services ke database prices ka SUM
GST	Subtotal x 18 / 100
Final Payable Amount	Subtotal + GST

Example: Services subtotal Rs. 10,000.00, GST 18% = Rs. 1,800.00, gateway order amount = Rs. 11,800.00.

6. Payment Gateway Flow

1. Checkout API: cart service IDs receive kare, client session validate kare, service table se Verified records aur fresh price fetch kare.
2. Order Creation: calculated final total ke liye payment gateway order create kare; order ID ko database me Pending payment/transaction record se link kare.
3. Gateway Payment: client gateway par payment kare.
4. Server Verification: frontend success message par direct trust nahi karna. Gateway signature/status API/webhook se payment verify karna mandatory hai.
5. Verified Success: database transaction start karke buy_service rows insert, transaction Accepted update/insert aur cart clear kare.
6. Failed/Pending: buy_service insert aur cart clear nahi hoga. Transaction status Failed/Pending ke hisaab se save/update hoga.

Critical Payment Rule

Payment callback ko idempotent banana hai. Same gateway payment/order dobara hit ho to duplicate buy_service rows ya duplicate Accepted transaction create nahi honi chahiye. gateway_order_id / gateway_payment_id par unique check rakho.

7. buy_service Save Flow

- Payment verified success ke baad cart ki har service ke liye buy_service me separate row insert hogi.
- Har row me minimum cid, service_id, status, date aur time save honge.
- Example: client ne service IDs 1, 2, 4, 8 kharidi to buy_service me 4 rows insert hongi: (cid,1), (cid,2), (cid,4), (cid,8).
- My Purchased Services list buy_service ko service table ke saath JOIN karke show hogi.
- Purchase success ke baad cart tabhi clear hoga jab saare inserts aur transaction save successfully commit ho jayen.

8. Transaction Entry

Ek payment/order ke liye transaction table me ek main transaction row banegi. Multiple services ki IDs transaction me JSON array format me save karna preferred hai, jaise [1,2,4,8]. Existing column string type ho to 1,2,4,8 save kiya ja sakta hai, lekin JSON zyada safe hai.

Transaction Field	Expected Data
cid	Logged-in CStar client ID
service_ids	Purchased IDs: [1,2,4,8]
subtotal	Services ka GST se pehle total
gst_amount	18% GST amount
amount / total_amount	Gateway par pay kiya final amount
remark	Buy Service / Service Purchase
status	Pending, Accepted/Success, Failed/Rejected
gateway_order_id	Gateway order reference
gateway_payment_id	Successful payment reference
date, time	Server date/time

9. Recommended APIs / AJAX Endpoints

API	Responsibility
fetch-verified-services.php	Verified service list
add-to-cart.php	service_id validate karke cart add
fetch-cart.php	Current client cart
remove-cart-item.php	Cart item remove
checkout-summary.php	Fresh prices + subtotal + GST + final total
create-payment-order.php	Gateway order create + Pending transaction
verify-payment.php	Gateway verify + buy_service + transaction + cart clear
fetch-purchased-services.php	My Purchased Services list

10. Security and Validation

- Har API me CStar session/cid validate karna hai; cid frontend input se trust nahi karna.
- Only POST APIs for add/remove/order/verify actions; prepared statements use karne hain.
- Service price, GST aur final total backend par calculate honge. Frontend amount ignore hoga.
- Payment verified hone se pehle buy_service me koi Accepted purchase insert nahi hogi.
- Database transaction use karo: buy_service inserts + transaction success + cart clear ek saath commit/rollback hon.
- Gateway secret/key client-side JavaScript me expose nahi honi chahiye.
- Response JSON standard rahe: status, message, data.

11. Exact Success Result

Payment verify hone ke baad success popup show hoga, cart clear hoga, purchased services buy_service me show hongy aur transaction Accepted/Success status me visible hogi.

12. Acceptance Checklist

- ☐ 1. All Services me sirf Verified services show ho rahi hain.
- ☐ 2. Service name, description aur price/amount clearly visible hai.
- ☐ 3. Multiple unique services cart me add ho rahi hain.
- ☐ 4. Checkout backend se fresh price fetch karta hai.
- ☐ 5. Subtotal + 18% GST = final gateway amount sahi hai.
- ☐ 6. Gateway success server-side verify hota hai.
- ☐ 7. Success par har service ki buy_service row me cid + service_id save hoti hai.
- ☐ 8. Transaction me cid, service IDs, amount, remark, status, date/time save hota hai.
- ☐ 9. Multiple service IDs 1,2,4,8 ya JSON [1,2,4,8] form me traceable hain.
- ☐ 10. Success par cart clear hota hai; failure/pending par cart clear nahi hota.
- ☐ 11. My Purchased Services list current client ki purchased services dikhati hai.
- ☐ 12. Duplicate payment callback duplicate purchase create nahi karta.
- ☐ 13. Poora module API/AJAX based hai.

Developer Remark (Only Editable Field)

Developer task complete/correction details yahan fill karke PDF wapas share kare.