## ☆ 1. SYSTEM USERS (3 ROLES)

**1. Admin / Backend**

Controls all master data
Controls user, rates, manpower standard, line items, etc.

**2. Supervisor / Site User**

Enters daily work data
Cannot see rates
Can only see their own entries

**3. Validator**

Validates, edits, rejects, finalizes data
Can see rates & edit the submission
Sends back drafts to supervisor

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## ☆ 2. FULL SCREEN LIST (FINAL) — 8 SCREENS TOTAL

**Common**

1. Login Screen

**Admin**

2. Admin Dashboard (navigation only)
3. Master Data Setup
4. User Management
5. View Final Approved Data

**Supervisor**

6. Data Entry Screen
7. View/Edit Own Submissions

**Validator**

8. Validation Panel (List + Detailed Review)

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## ☆ 3. MASTER DATA (ADMIN) — FULL DETAILS

Admin/Backend sets the following **6 items**:

**1. User Database**

- Name
- Emp ID
- Role (Admin / Supervisor / Validator)

- Username / Password
- Active / Inactive

**2. Work Order Number (Dropdown for Supervisor)**

Admin creates work orders:

- WO-001
- WO-002
- etc.

**3. Line Items Under Each Work Order**

(Example)
WO-001 →
• Excavation
• PCC
• RCC
Each one displayed as dropdown for Supervisor.

**4. Rate of Each Line Item**

Stored in backend.
🔒 **Not visible to Supervisor**
✓ Visible to Validator
✓ Rate × Quantity used for revenue calculation

**5. UOM of Each Line Item**

Supervisor can see, but:
✕ cannot edit
✓ Validator can edit (if needed)

**6. Manpower Deployment — Standard Composition**

Supervisor:
✕ cannot edit
Validator:
✓ can edit

Example:
1 Team = 1 Supervisor + 4 Labor + 1 Mason

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## ☆ 4. SUPERVISOR DATA ENTRY — FULL INPUTS

Supervisor selects:

**1. Work Order No (Dropdown)**

Populated from Admin

**2. Line Item (Dropdown)**

Filtered based on selected WO

**3. UOM (Auto Display – Non editable)**

**4. Standard Manpower (Auto Display – Non editable)**

Fetched from backend

**Supervisor Manual Inputs**

5. **Work Quantity** (Manual entry)
6. **Manpower Actual Deployed** (Manual entry)
7. **Material Consumed** (Manual entry, optional)

**System Auto Calculation (Not separate screen)**

- Standard vs Actual manpower
- Revenue = Quantity × Rate (hidden from Supervisor)

**On Submit**

➞ Sent to Validator
➞ Status becomes: **Pending Validation**

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## ☆ 5. VALIDATOR REVIEW — FULL ACTIONS

Validator receives every entry from supervisor.

**Validator can see:**

- Work Order
- Line Item
- Quantity
- UOM
- Standard Manpower
- Actual Manpower
- Material Consumed
- **Rate (Admin only allowed)**
- **Revenue Calculations**

**Validator can perform:**

**✓ Edit**

- Quantity

- UOM
- Standard Manpower
- Rate
- Any field

✔ **Approve**

Entry becomes **FINAL**

✔ **Send Back to Supervisor (Reject)**

Must enter **Remarks**
Supervisor receives rejected entry
Supervisor edits + resubmits
Sent again to validator

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## ☆ 6. ADMIN FINAL DATA VIEW

Admin dashboard shows:

- Work Order
- Line Item
- Quantity
- Standard vs Actual manpower
- Revenue (based on rates)
- Validator status
- Date
- Supervisor name

Admin only sees **Approved** data.

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## ☆ 7. COMPLETE WORKFLOW (START → END)

**STEP 1 — Admin Creates Data**

Admin creates:

- Users
- Work Orders
- Line Items
- UOM
- Rates

- Standard Manpower

Everything stored in backend.

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**STEP 2 — Supervisor Logs In**

Supervisor → Dashboard

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**STEP 3 — Supervisor Creates Work Entry**

Supervisor fills:

- WO
- Line item
- Quantity
- Actual manpower
- Materials

Auto-fetched:

- UOM
- Standard manpower

Submit → Goes to Validator

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**STEP 4 — Validator Validates the Entry**

Validator sees:

- All supervisor-entered values
- Hidden data (Rate, Revenue)
- Calculation summaries

Validator actions:

1. **Approve** → Final submission
2. **Reject** → Sent back to supervisor
3. **Edit** → Then approve

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**STEP 5 — Supervisor Resubmits (if rejected)**

Supervisor sees remark
Edits

Resubmits
Goes back to validator

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**STEP 6 — Admin Views Final Approved Dataset**

Admin sees only **approved** records
Can export reports
Can perform further backend analysis

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## ☆ 8. FINAL OUTPUT — COMPLETE STEPS (AS REQUESTED)

Here is your **final readable list of complete steps**:

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## ☆ COMPLETE STEPS (END-TO-END)

**ADMIN STEPS**

1. Create Users + Roles
2. Create Work Order Numbers
3. Add Line Items to each WO
4. Assign UOM, Rates, Standard Manpower
5. Activate/Deactivate users
6. View only *approved* data

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**SUPERVISOR STEPS**

1. Login
2. Select Work Order
3. Select Line Item
4. Auto-view UOM & Standard Manpower
5. Enter Work Quantity
6. Enter Actual Manpower
7. Enter Material Consumed
8. Submit to validator

If rejected:
9. See validator remarks
10. Edit & Resubmit

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**VALIDATOR STEPS**

1. Login
2. See list of Pending submissions
3. Open each entry
4. View hidden data (Rate & Revenue)
5. Edit if required
6. Add remarks (if rejecting)
7. Approve OR Send Back to Supervisor

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**SYSTEM AUTO LOGIC**

1. Standard Vs Actual manpower difference
2. Revenue target vs actual
3. Automatic status updates (Pending → Rejected → Resubmitted → Approved)

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☆ **FINAL STATUS FLOW**

Supervisor → Validator → Admin (view only)

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✓ **READY FOR IMPLEMENTATION**

If you want next steps, tell me:

**"Create wireframes"**

or

**"Create tables / backend schema"**

or

**"Create PowerApps screens"**

or

**"Create React frontend screens"**

I will generate the full UI/UX immediately.

**You said:**

how the superviosr ,validator got thir userid and password who will create those

**ChatGPT said:**

Here is the exact answer based on **your system design** and **standard industry workflow**:

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### ☆ WHO CREATES THE USER ID & PASSWORD FOR SUPERVISOR AND VALIDATOR?

☑ **The Admin / Backend Team creates ALL user accounts.**

This matches your document:

**Sl No 1 — User Database (Admin/Backend)**

Meaning:

- Only **Admin** has permission to create **users**.
- Supervisors and Validators **cannot create their own accounts**.

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### ☆ HOW THE USER ACCOUNT IS CREATED (Step-by-Step)

**Step 1 — Admin Opens "User Management" Screen**

Admin enters:

- Name
- Employee ID
- Role (Supervisor / Validator / Admin)
- Mobile number (optional)
- Email (optional)

**Step 2 — Admin Assigns Login Credentials**

Admin sets:

- **User ID (Username)**
- **Password**

Or system can auto-generate a password.

**Step 3 — Save User**

User is added to the system with:

- Role-based access
- Active status

********************remember 1.my new supabase credentials :: "

REACT_APP_SUPABASE_URL=https://ekjuwmzevcqldhtoitnh.supabase.co

REACT_APP_SUPABASE_PUBLISHABLE_DEFAULT_KEY=sb_publishable_CaOuLes1nQ87fsj7_y6KEw_ipVmpoAM "

2. In my new git repo which I am already in..

3. And do not in my previous netlyfy id..as a project already hosted.. I will give you a new one later..currenlt I want to test in my local machich so server and client should run on my local host..

** when a action is taken submit ..reject/etc any thing ..button a loader should shown in realtime ultil the work done..to have better experience for the user.