Feature confirmation

Asset Management

WeChat Mini Program

Mirror the existing Asset Management Information System for WeChat workflows

Login & binding · Home · Assets (12) · Stats (6) · Me · Oct 2026



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01

Requirements

Design principles · User flow · Tabs & roles

Design principles

Mirror the existing web system (http://39.98.47.84/) in the mini program; reuse live APIs. Backend only adds a small set of APIs for WeChat login, company binding, and review.

Follow the live system

- Features, fields, and statuses match the web app
- Reuse live APIs and data
- Prototype UI is illustrative; live system is source of truth

No extra features or rights

- Do not add business features absent on web
- Do not enlarge any role’ s permissions
- Web app itself is not modified

Hide if no permission

- Menus, buttons, and data scope follow backend rights
- Unauthorized entries simply do not appear
- No greyed stubs or click-then-deny

User flow

WeChat login	Bind company	Company review	Enter home	Asset workflows	View stats
One-tap WeChat auth No password to remember	Enter company code One company per user	Approved → become a full user	View permitted statistics	Purchase, issue, scrap, inventory — 12 items	6 charts by permission

Tabs & roles

Same mini program — menus, buttons, and data differ by identity after login

1 Home

Like the web home: show permitted stats

2 Assets

Purchase, issue, scrap, repair, work orders, inventory, ledger — 12 items

3 Stats

Scrap, repair, borrow, utilization, assets, purchase — 6 charts

4 Me

Profile, company & binding status, sign out

Role	How they enter	What they see	Data scope
Asset admin	WeChat login; bind company & approved	Home, Assets (12), Stats (6), Me	Own company
Department user	Same	Home, asset inventory, permitted stats, Me	Assets under self
Approver	Same	Asset work orders: approval list, approve / reject (independent role? see Q01)	Docs pending my approval
Unbound / pending / rejected	WeChat login	Binding or status page only; no business features	None

Roles above are demo identities in the prototype. Actual roles and visibility follow menus and rights returned by the live backend.

02

Feature list

Login, home & Me · 12 asset features · 6 stats charts

Content from confirmed requirements; items marked “Q” map to open questions in section 03

Login, home & Me

Module	Feature	Description	Note
Login	**WeChat login**	One-tap WeChat login	
	Company binding	Bind via company-specific code; show company name before submit	Q10
	One company per user	A user binds only one company; after reject, resubmit still cannot switch	
	Company review	After binding, company reviews; approved users become full users	Q10 Q11
	Binding status	Unbound / Pending / Rejected / Approved; business features blocked until approved	
Home	**Home stats**	Like the web home: show permitted statistics	Q08
Me	**Profile**	Name, mobile, email, department, role, created date	
	Company & status	Company and account binding status	
	Sign out	Sign out of the current account	





Assets • 12 features

Listed per requirements; ✓ = in scope this phase; "—" = not required, not built

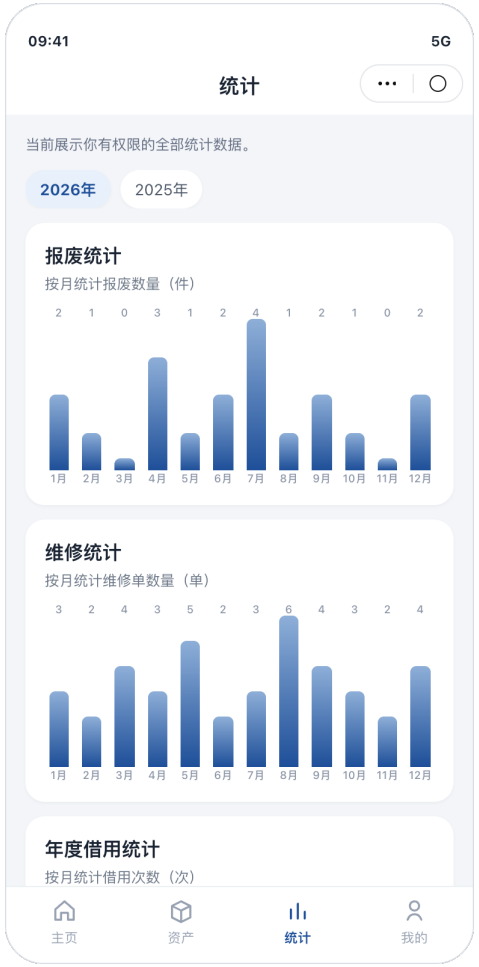
Feature	Create from	List	Create	Edit	Delete	Detail	Other
Purchase request	Create directly	✓	✓	✓	✓	—	Submit for approval (detail: Q03)
Purchase order	Select purchase request	✓	✓	✓	✓	✓	Auto-fill from request
Inbound	Select purchase order	✓	✓	✓	✓	✓	Auto-fill from PO lines
Issue	Select assets	✓	✓	✓	✓	✓	Selectable scope: Q04
Return	Select issue doc	✓	✓	✓	✓	✓	Auto-fill issued assets
Transfer	Select assets by type	✓	✓	—	—	✓	Transfer (approval: Q05)
Asset scrap	Select assets	✓	✓	—	—	—	Detail: Q03
Asset disposal	Select scrap doc	✓	✓	✓	✓	✓	
Asset repair	Select assets	✓	✓	—	✓	✓	Repair tasks (Q06)
Asset work orders	—	✓	—	—	—	—	Approval list; approve / reject (Q01)
Asset inventory	Select inventory task	✓	—	—	—	—	Count own assets: photo, status, qty (Q07)
Asset ledger	—	✓	—	—	—	—	**Query by type (detail: Q03)**

Stats • 6 charts

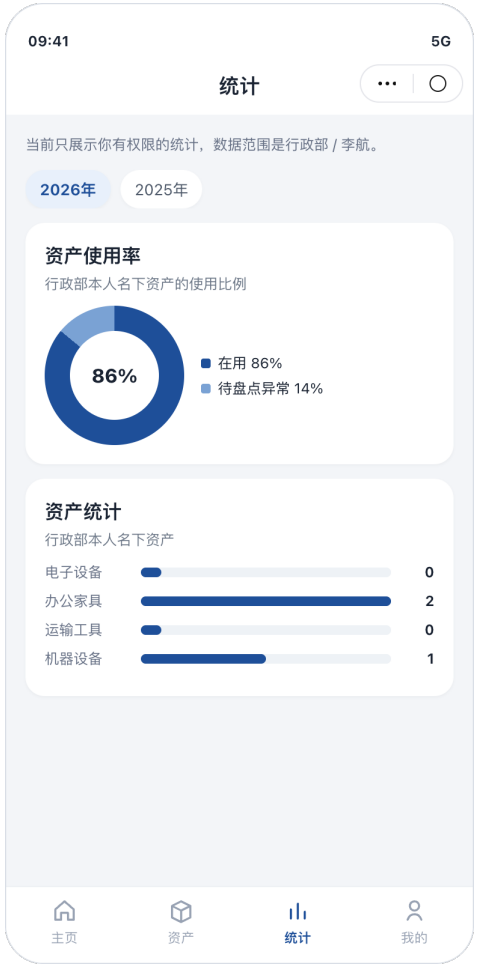
Shown by user permission; users only see data they can access

Chart	Prototype presentation	Note
Scrap stats	Monthly bar chart; year switchable	Q09
Repair stats	Monthly bar chart; year switchable	Q09
Annual borrow stats	Monthly bar chart	Q09
Asset utilization	Donut: in use, idle, repair, other	Q09
Asset stats	Bar chart by asset type	Q09
Annual purchase stats	Monthly purchase amount bars	Q09

Chart types and dimensions are illustrative. Metrics (by month, type, dept) follow existing web stats. Department users see only permitted charts; scope is self.



Asset admin



Dept. user

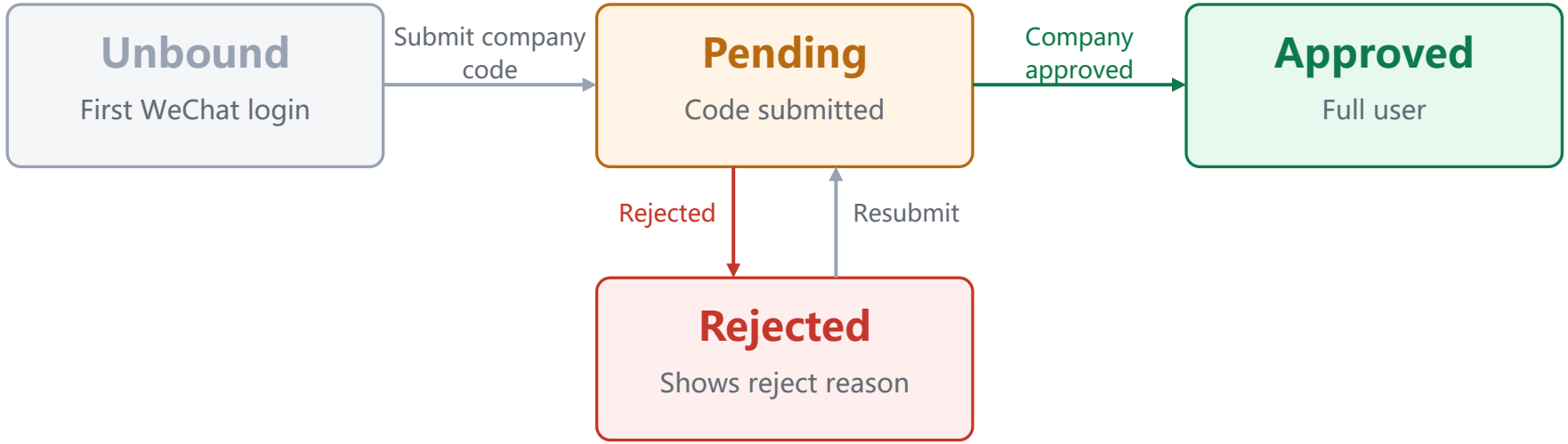
03

Rules & open items

Binding status rules · Document flow rules · 13 open questions · Out of scope

Binding status rules

Only “Approved” can use business features; one user links to one company at a time



To confirm

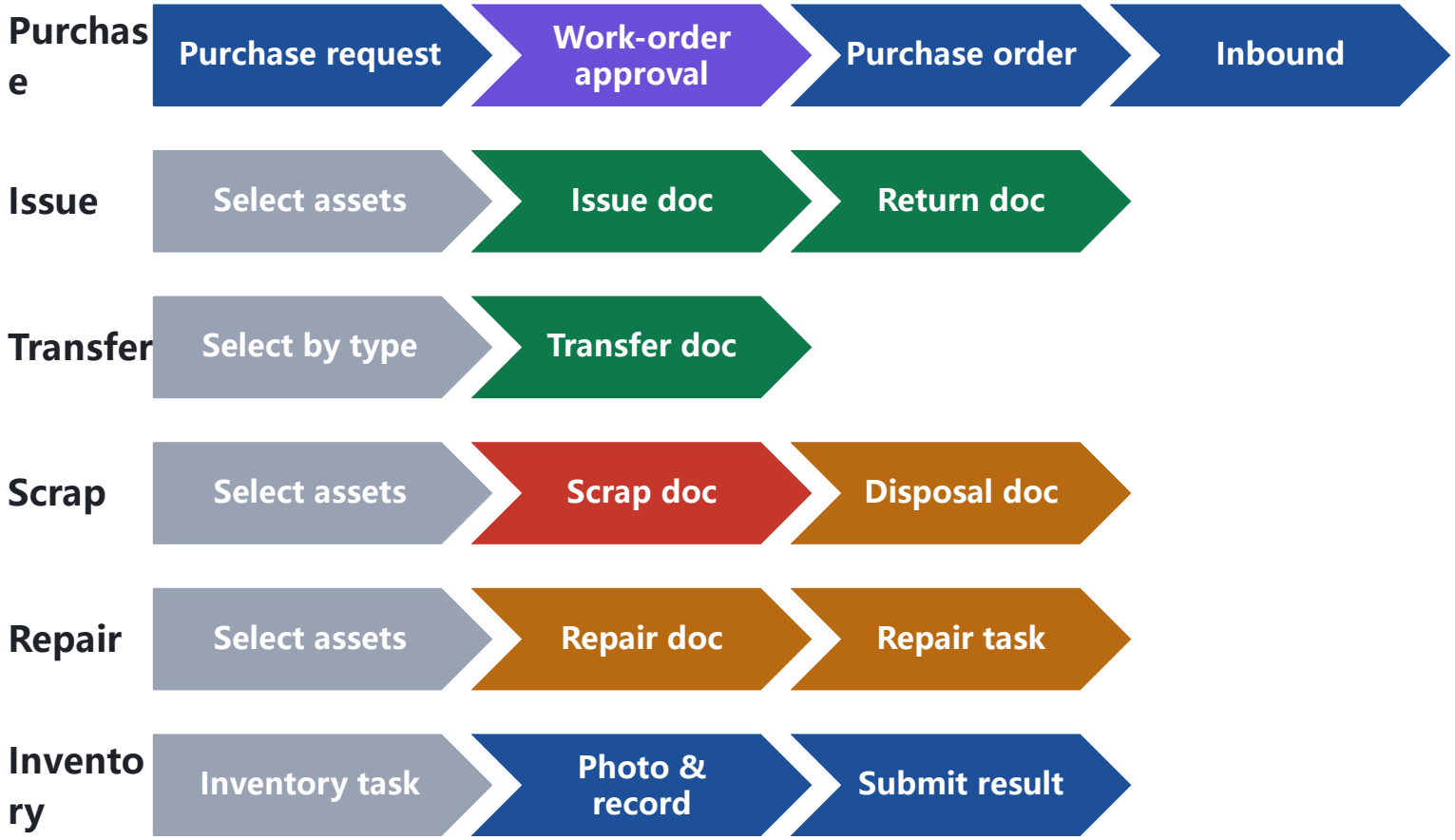
Who generates company codes and where review happens (Q10)

Which live user a binding maps to, and where permissions come from (Q11)

Status	What the user sees	What they can do
Unbound	Bind company page	Enter company code; confirm company name; submit
Pending	Waiting page with applied company	Sign out only; cannot submit another company’ s code
Rejected	Not-approved page with reason	Resubmit binding (same company) or sign out
Approved	Home	Use Home, Assets, Stats, Me per permissions

Document flow rules

Downstream docs are created from upstream; content auto-fills. Status names and actions follow the live system (Q02)



Doc status (prototype draft)

Draft · In approval · Approved · Rejected

- Edit/delete only in Draft or Rejected
- Confirm before delete
- Upstream docs with downstream children cannot be edited/deleted
- Reject requires a reason; requester may edit and resubmit
- Transfer/scrap take effect on submit — no edit/delete

Questions for your confirmation (1/2)

Please fill "Your reply" for each item; "Our suggestion" is reference only — your reply prevails

#	Question	Our suggestion	Your reply
Q01	**Approval:** In the live system, are approvers a separate role or admins? Which docs need asset work-order approval (prototype only shows purchase requests)?	Follow live approval flows; mini program only shows/handles existing ones	
Q02	**Doc status:** What statuses exist for each doc type? When are edit, delete, and submit allowed?	Follow live system; prototype draft: Draft → In approval → Approved / Rejected	
Q03	**View detail:** Requirements omit "view detail" for purchase request, scrap, and ledger, but the prototype opens them. Keep?	Keep read-only view if the web has it; do not add new capability	
Q04	**Issue scope:** Which assets can be selected for issue? Idle only, or other limits?	Follow live rules	
Q05	**Transfer:** Does transfer take effect on submit, or need approval / receiver confirm?	Follow live system	
Q06	**Repair tasks:** Who handles repair tasks? What fields are required (result, cost, photos, etc.)?	—	
Q07	**Inventory:** Are inventory tasks created and assigned on the web? Are photos required? Do status options match the prototype (Normal / Damaged / Missing)? Editable after submit?	Tasks created on web; photos required; not editable after submit	

Questions for your confirmation (2/2)

Please fill "Your reply" for each item; "Our suggestion" is reference only — your reply prevails

#	Question	Our suggestion	Your reply
Q08	**Home stats:** Which stat cards on home? 1:1 with the web home? What do department users see?	Match web home; show by permission	
Q09	**Stat metrics:** Dimensions for the 6 charts (month / type / dept)? Year switch needed?	Match existing web stats	
Q10	**Company code & review:** Who generates company codes? Where is review done? (Web changes out of scope this phase)	Backend adds review APIs; confirm where the review UI lives	
Q11	**Account mapping:** After WeChat binding, which live user does it map to (by mobile)? Where do roles/permissions come from?	Match live user by mobile; reuse live roles and permissions	
Q12	**Test accounts:** Please provide one admin and one department-user test account, plus live API docs.	—	
Q13	**Mini program & servers:** Mini program must register under an enterprise entity — your side or our help? Who provides servers and domains?	You register; we assist with verification; you provide servers and domains	

Out of scope & how to confirm

Out of scope this phase

- Changes to the live web app, including new pages
- Features or permissions beyond the live system
- Official WeChat certification fees, annual fees, servers, domains
- Final UI visual design (prototype is illustrative; two UI options later)
- Operations / maintenance

Please confirm

1	**Scope**	Is section 02 complete — anything missing or extra?
2	**Roles & rights**	Do demo identities align with live roles?
3	**Rules**	Do binding status and doc flows match your business?
4	**Open questions**	Please answer all 13 items

Features are locked to this confirmation; later adds or changes are treated as new requirements.

04

Prototype

Screenshots from the interactive HTML prototype (功能确认原型.html) for confirming features and paths; colors, icons, and copy follow the final UI.
Orange numbers are callouts matching the notes on the right.

Login & company binding

WeChat login / Bind company



1 WeChat login

First screen when opening the mini program

① One-tap WeChat login

After login, route by binding status: unbound → enter company code; pending/rejected → status page; approved → home

Business features unavailable until approved



2 Bind company

Enter company-specific code

① Enter company-specific code (who generates it: see Q10)

② Before submit, show the company name for that code to avoid wrong binding

③ Confirm and submit → pending review

One user can bind only one company

Login & company binding

Pending review / Rejected



3 Pending review

Waiting for company approval

① Shows the company applied for binding

Until approved, home / assets / stats / profile are blocked

② Can sign out

Where review happens: see Q10



4 Rejected

Shows reject reason; can resubmit

① Shows company and reject reason

② Resubmit binding application

Resubmit cannot switch to another company

Home & assets entry

Home · Asset admin / Home · Department user



5 Home • Asset admin

Aligned with the web home page

① Stat cards: total assets, in use, idle, scrapped, under repair, pending approval; tap to open the matching list

② Shortcuts — only permitted ones shown

③ Bottom tabs: Home, Assets, Stats, Me

Card items follow the web home page (Q08)



6 Home • Department user

Own data only

① Assets under me, pending inventory, inventory tasks

② Inventory entry only

Same mini program; what each role sees is driven by backend permissions

Home & assets entry

Assets · Asset admin / Assets · Department user



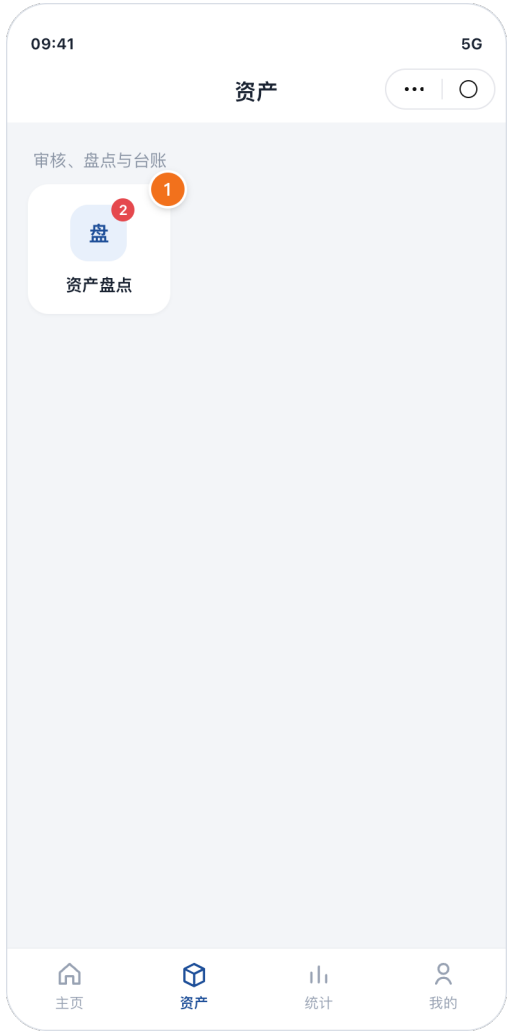
7 Assets • Asset admin

12 features grouped by business stage

① Purchase & inbound, use & transfer, scrap & repair, approval / inventory & ledger

② Counts for pending approval and pending inventory

No permission → entry hidden (no greyed-out stubs)



8 Assets • Department user

Only permitted features shown

① Asset inventory only

Purchase, issue, scrap, etc. do not appear

Visible features follow live-system role permissions

Purchase request, PO, inbound

Purchase request · List / Purchase request · Actions



9 Purchase request • List

List & create

① Search by doc no., name, person

② Filter by status

③ Create purchase request

④ Document status (follow live system, Q02)



10 Purchase request • Actions

Edit, delete, submit for approval

① Activity log

② Submit for approval → status becomes In approval, enters asset work orders

③ Edit, ④ Delete: only in Draft / Rejected; confirm before delete

Whether a dedicated detail page is needed: see Q03

Purchase request, PO, inbound

Purchase request · Create / Purchase order · Pick request



11 Purchase request • Create

Fill request and line items

① Requesting dept, requester, date

② Purchase reason, notes

③ Lines: name, spec, qty, estimated unit price

④ Add multiple lines

Save as draft; fields follow the live system



12 Purchase order • Pick request

Create from a purchase request

① Lists only approved requests with no PO yet

② Select one purchase request

③ Next: fill the order

Purchase request, PO, inbound

Purchase order · Create / Purchase order · Detail



13 Purchase order • Create

Request content auto-filled

① Source request

② Supplier, ETA, notes

③ Request lines auto-filled; qty and price adjustable

PO supports list, edit, delete, detail



14 Purchase order • Detail

Create inbound from this PO

① Source request

② Create inbound from this PO

Once inbound exists, the PO cannot be edited or deleted

Purchase request, PO, inbound

Inbound · Create



15 Inbound • Create

Create from purchase order

① Source PO

② Warehouse, inbound date

③ PO lines auto-filled; enter received qty

Inbound supports list, edit, delete, detail

Issue, return, transfer

Issue · Select assets / Issue · Create



16 Issue • Select assets

Pick assets, then create

① Filter by asset type or search

② Multi-select allowed

③ Shows selected count; next fills the issue form

Idle assets only (live rules, Q04)



17 Issue • Create

Selected assets + issue info

① Selected assets

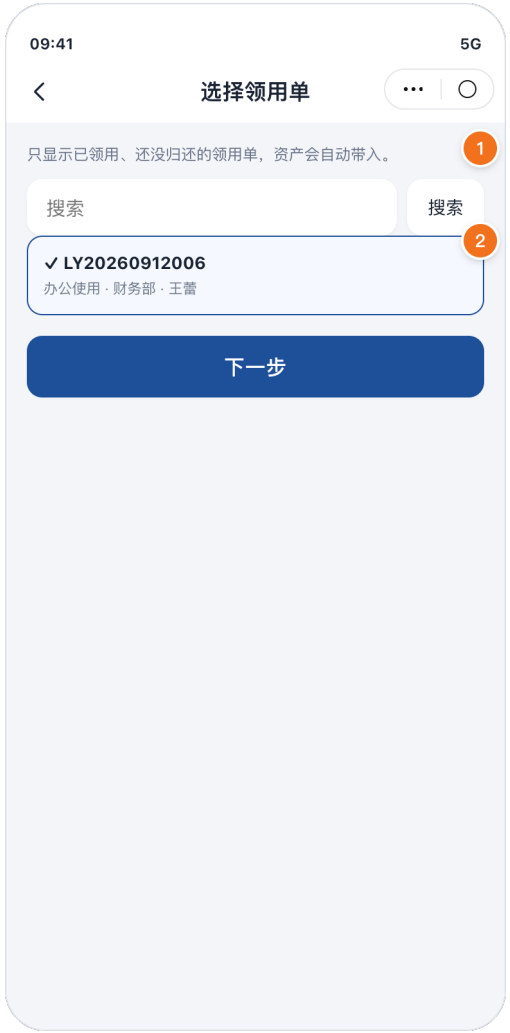
② Issuer, department, issue date

③ Expected return, purpose

Issue docs support list, edit, delete, detail

Issue, return, transfer

Return · Select issue doc / Return · Create



18 Return • Select issue doc

Pick issue doc, then create

① Lists only issued docs not yet returned

② Select one issue document



19 Return • Create

Issued assets auto-filled

① Source issue doc

② Issued assets auto-filled; enter return qty and asset status

Return docs support list, edit, delete, detail

Issue, return, transfer

Transfer · Select by type / Transfer · Destination info



20 Transfer • Select by type

Pick type, then assets

① Select asset type first

② Check assets to transfer; multi-select OK



21 Transfer • Destination info

On submit, asset dept changes

① Asset type and selected assets

② Destination department

③ Receiver, transfer date, reason

Transfer has list and detail only — no edit/delete

Approval or receiver confirm: see Q05

Scrap, disposal, repair

Asset scrap · List / Disposal · Select scrap doc



22 Asset scrap • List

Select assets to create scrap

① Create scrap: pick assets, then scrap date and reason

② Scrap list

Scrap has list and create only — no edit/delete

On submit asset becomes Scrapped; disposal can follow



23 Disposal • Select scrap doc

Pick scrap doc, then create

① Lists scrap docs not yet disposed

② Then fill disposal method, amount, date

Scrap, disposal, repair

Disposal · Detail / Asset repair · Work orders



24 Disposal • Detail

List, edit, delete, detail

① Source scrap doc

② Edit

③ Delete (confirm first)

Methods: sell, destroy, donate, other (follow live system)



25 Asset repair • Work orders

Repair docs and repair tasks

① Switch repair doc / repair task

② Create repair: pick asset, then fault description and urgency

③ Repair list; detail and delete available

Repair docs have no edit

Scrap, disposal, repair

Asset repair · Task



26 Asset repair • Task

Enter handling result

① Handling result

② Save

③ Complete task — repair doc syncs to Completed

Who handles tasks and required fields: see Q06

Work orders & inventory

Asset work order · Approval / Asset work order · Reject



27 Asset work order • Approval

Approval list → document approval

Approval list shows only docs pending my approval

① Document content and flow history

② Approve

③ Reject (reason required)

After action, doc leaves the pending list; which docs need approval: see Q01



28 Asset work order • Reject

Enter reject reason

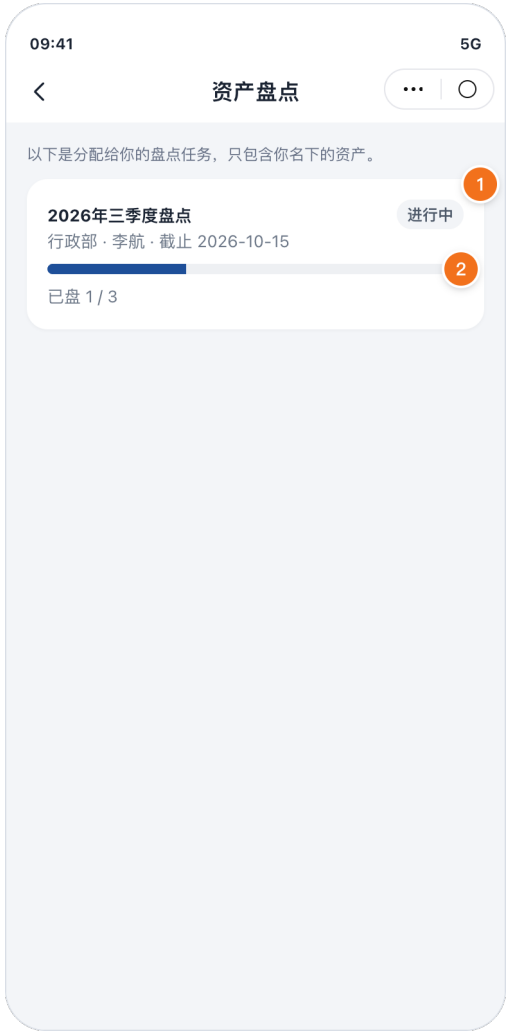
① Reject reason required

② Confirm reject

After reject, original doc becomes Rejected; requester may edit and resubmit

Work orders & inventory

Inventory · Tasks / Inventory · Assets in task



29 Inventory • Tasks

Department user picks a task

① Inventory tasks assigned to me

② Progress

Only assets under me; task source: see Q07



30 Inventory • Assets in task

Count item by item

① Counted / total

② Tap asset to inventory

③ Submit only when all items are done

Work orders & inventory

Inventory · Photo & record



31 Inventory • Photo & record

Photo, status, and quantity

① Inventory photo

② Open phone camera

③ Asset status: Normal / Damaged / Missing

④ Quantity

Status options follow live system (Q07)

Ledger, stats, Me

Asset ledger / Ledger · Asset profile



32 Asset ledger

Query assets by type

① Search by name, code, user

② Filter by asset type

③ Filter by asset status

④ Asset card; open asset profile (Q03)



33 Ledger • Asset profile

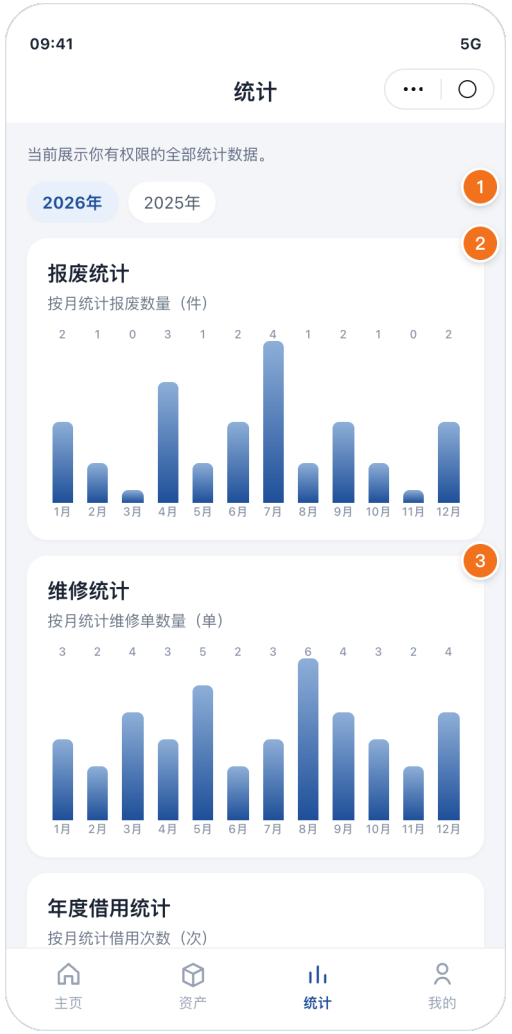
Single-asset information

① Code, name, type, spec, status, dept, user, location, purchase date, original value, qty

Fields follow the live ledger

Ledger, stats, Me

Stats · Asset admin / Stats · Utilization & assets



34 Stats • Asset admin

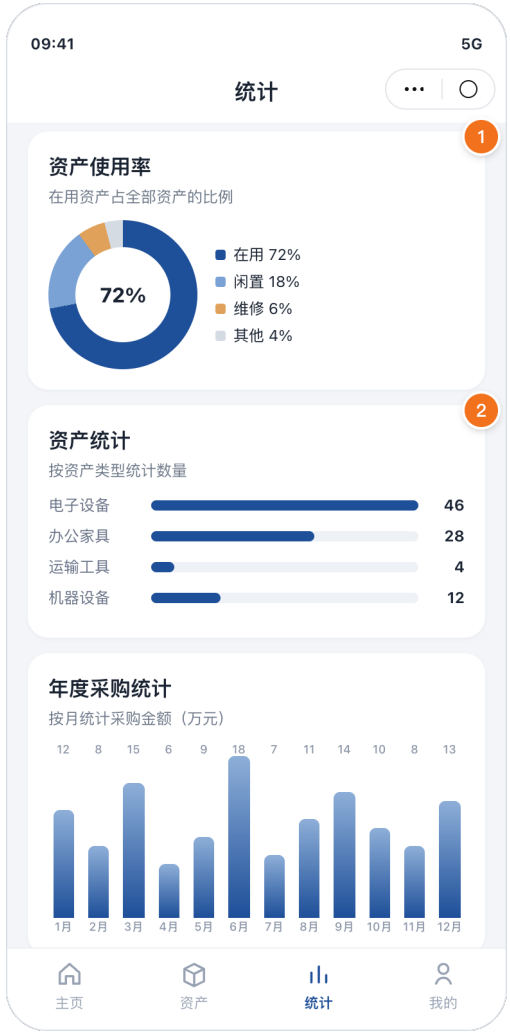
Up to 6 charts by permission

① Switch year

② Scrap stats

③ Repair stats

Below: annual borrow, utilization, asset stats, annual purchase



35 Stats • Utilization & assets

Donut and bar charts

① Asset utilization

② Asset stats (by type)

Chart style is illustrative; metrics: see Q09

Ledger, stats, Me

Stats · Department user / Me



36 Stats • Department user

Only permitted stats

① Scope is self only

② Only permitted chart items shown

Which stats are visible follows live permissions



37 Me

Profile, company, sign out

① Name, mobile, email, department, role, created date

② Company and binding status

③ Sign out

Thank you

Please confirm the features and open questions above; feedback welcome anytime