

DubaiNow screen-level design specification

Register a Drone & Pay Permit

Authenticated DubaiNow journey to register one drone, pay the calculated permit fee, submit to the confirmed aviation issuer, and track or download the outcome. GCAA ownership, authority APIs, fee rules and enforcement clearance remain assumptions pending authority confirmation.

Design principles

- Reuse UAE PASS claims; never re-collect verified identity.
- Validate before payment; clearly distinguish payment, submission and permit status.
- Share minimum required data with recorded consent.

Navigation model

Linear 6-stage flow: introduction ' drone details ' documents ' review ' payment ' submitted ' status. Back preserves draft; status remains available from DubaiNow service history.

Integration contracts

UAE PASS

Authenticated identity and consented verified claims.

DATA EXCHANGED

Verified name and available claims · Consent and assurance outcome

RECOVERY

Offer UAE PASS consent or step-up; if unavailable, route to manual verification without asking for a verified identifier again.

Aviation authority permit API — assumption; issuer API and GCAA ownership to be

Fee rules, submission, authoritative status and digital permit issuance.

DATA EXCHANGED

Minimum application packet · Fee, status, permit metadata and PDF/QR

RECOVERY

Queue encrypted submission, retry automatically and show delayed-submission status; do not represent a permit as issued.

DubaiNow payment gateway/acquirer — assumption if no existing provisioned route

Permit-fee authorization, capture and receipt creation.

DATA EXCHANGED

Payment amount, payment status and transaction reference

RECOVERY

Support retry or alternate accepted method; reconcile timeout before any repeat charge.

Screen specifications

drone-permit-intro

Register a drone

Set expectations, show prerequisites and obtain identity/data-sharing consent.

ENTRY

Authenticated DubaiNow session · UAE PASS session available

COMPONENTS

StatusBar · TopBar · ServiceIntro · StepperItem

FIELD PROVENANCE

Applicant name (required)	UAE_PASS
Verified identity status (required)	UAE_PASS
Estimated permit fee	ENTITY
Reuse and share required claims (required)	USER

STATES

Claims available; continue enabled. · Claims unavailable; request UAE PASS consent or route to manual verification. · Fee unavailable; show last-known estimate and confirm before payment.

drone-details

Drone details

Collect drone information not available from platform data.

ENTRY

Identity consent captured or manual-verification route set

COMPONENTS

StatusBar · TopBar · StepperItem · FormCard

FIELD PROVENANCE

Make and model (required)	USER
Serial number (required)	USER
Weight or class (required)	USER
Intended operation (required)	USER

STATES

Inline required-field and serial-format errors. · Draft saved locally and server-side. · Manufacturer mismatch flagged for review; user may add clarification.

supporting-documents

Supporting documents

Collect and validate evidence for ownership and applicable operation requirements.

ENTRY

Required drone fields valid

COMPONENTS

StatusBar · TopBar · StepperItem · AttachmentField

FIELD PROVENANCE

Proof of ownership (required)	USER
Manufacturer document (required)	USER
Insurance proof	USER
Document verification result	SYSTEM

STATES

Uploading, complete, replace and retry. · Unsupported type, size or unreadable-file error. · Low-confidence verification; re-upload or continue to manual review.

application-review

Review application

Present validated application, final fee and consent before payment.

ENTRY

Mandatory data and documents submitted for validation

COMPONENTS

StatusBar · TopBar · StepperItem · ReviewSummary

FIELD PROVENANCE

Applicant details (required)	UAE_PASS
Drone and document summary (required)	USER
Validation outcome (required)	SYSTEM
Final permit fee (required)	ENTITY
Authority data-sharing consent (required)	USER

STATES

Validated; payment enabled. · Re-upload required; route to documents with clear reason. · Manual review required; payment permitted only when authority rules allow prepayment.

permit-payment

Pay permit fee

Collect the final fee through DubaiNow and attach payment proof to the application.

ENTRY

Final fee available · Review consent recorded

COMPONENTS

StatusBar · TopBar · StepperItem · RadioField

FIELD PROVENANCE

Fee breakdown and total (required)	ENTITY
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Payment method (required)	USER
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Payment transaction reference	SYSTEM
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STATES

3DS or issuer step-up in progress. · Declined; show gateway-safe reason and retry options. · Timeout; show payment pending and reconcile before another charge.

submission-confirmation

Payment received

Confirm payment and explain application submission or queued retry.

ENTRY

Payment captured or confirmed by payment reconciliation

COMPONENTS

StatusBar · TopBar · MessagePanel

FIELD PROVENANCE

Payment receipt reference (required)	SYSTEM
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Application reference (required)	SYSTEM
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Submission status (required)	ENTITY
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STATES

Submitted to authority. · Submission queued; automated retry scheduled. · Awaiting operational clearance when applicable.

Application status

Show authoritative decision, required follow-up or issued digital permit.

ENTRY

Application reference exists

COMPONENTS

StatusBar · TopBar · MessagePanel

FIELD PROVENANCE

Authority status and reason (required)	ENTITY
Permit validity and conditions	ENTITY
Digital permit PDF/QR	ENTITY
Notification preference	DUBAINOW

STATES

Under review; show expected SLA when supplied. · More information required; deep-link to document replacement. · Approved; permit download available. · Rejected; show authority reason and resubmit or appeal path when supplied.

Quality and measurement

ACCESSIBILITY

- Use persistent text labels, error summaries and programmatic field-error links.
- Support screen-reader status announcements for upload, payment and authority updates.
- Meet 44px minimum touch targets; do not rely on colour for status or validation.

ANALYTICS EVENTS

- drone_permit_started
- drone_permit_payment_result
- drone_permit_status_viewed

Evidence inventory

RECREATIONAL UNMANNED AIRCRAFT OPERATIONS

<https://betawebapi.dcaa.gov.ae/Uploads/pdfs/DocumentManagement/Shared/EN-DCAA-DCAD-2025-00007.pdf>

gcaa.gov.ae

<https://www.gcaa.gov.ae/en/epublication/EPublications/Civil%20Aviation%20Regulations%20%28CARs%29/EMERGING%20TECHNOLOGIES/UNMANNED%20AIR%20SYSTEMS%20%28UAS%29/CAR-UAR%20-%20UNMANNED%20AIRCRAFT%20UA%20RECREATIONAL%20FLIGHTS%20-%20ISSUE%2004.pdf>

GCAA

https://drones.gov.ae/?utm_source=openai