# In-Charge E3 — Admin Dashboard Service

The Admin Dashboard Service (E3) provides oversight and governance for platform operations, including users, marketplace, services, payments, and analytics. It is divided into multiple squads, each responsible for a specific domain.

## Squad E3.1 — User Management API

### 1. Purpose

Provide administrators with tools to view and manage platform users (ban, unban, reset).

### 2. Scope (MVP)

- Retrieve all users

- Ban/unban functionality

- Reset accounts

- RBAC restricted to admins

### 3. Functional Requirements

- Query users table

- Trigger ban/unban actions with audit logs

- Emit admin.action.logged

### 4. Data Models

- admin\_flags (for flagged users)

- audit\_logs

### 5. API List

- GET /admin/users

### 6. Sequence Flow

User flagged → stored in admin\_flags → Admin fetches via API → takes action → action logged.

### 7. Testing Plan

- Unit: fetch users, ban/unban actions

- Integration: full flow with audit log

### 8. Deliverables

- Endpoint

- DB migration

- Swagger docs

- Tests

### 9. 8-Week Timeline

- Week 1: Schema + contracts

- Week 2–3: Endpoint + ban/unban logic

- Week 4: Event logging integration

- Week 5–6: Testing

- Week 7: Hardening + RBAC

- Week 8: Docs + demo

## Squad E3.2 — Marketplace Oversight API

### 1. Purpose

Review flagged marketplace listings for fraud/illegal content.

### 2. Scope (MVP)

- Fetch flagged listings

- Allow admin action (approve/reject/remove)

### 3. Functional Requirements

- Retrieve flagged marketplace data

- Emit admin.action.logged

### 4. Data Models

- admin\_flags (entity\_type=listing)

### 5. API List

- GET /admin/marketplace

### 6. Sequence Flow

User flags listing → stored → Admin fetches → takes action → action logged.

### 7. Testing Plan

- Unit: flagged listing fetch

- Integration: admin approval flow

### 8. Deliverables

- Endpoint

- Migrations

- Docs

- Tests

### 9. 8-Week Timeline

- Week 1: Schema

- Week 2–3: Endpoint

- Week 4: Action handling

- Week 5–6: Event logging

- Week 7: Testing

- Week 8: Docs

## Squad E3.3 — Services/Bookings Oversight API

### 1. Purpose

Provide oversight of flagged bookings/services.

### 2. Scope (MVP)

- Retrieve suspicious bookings

- Allow admin to approve/decline

### 3. Functional Requirements

- Flag service bookings

- Emit logs + events

### 4. Data Models

- admin\_flags (entity\_type=booking)

### 5. API List

- GET /admin/services

### 6. Sequence Flow

Booking flagged → Admin reviews → action logged.

### 7. Testing Plan

- Unit: booking fetch

- Integration: action logging

### 8. Deliverables

- Endpoint

- Tests

### 9. 8-Week Timeline

- Week 1: Schema

- Week 2–3: Endpoint

- Week 4: Action handling

- Week 5–6: Event logging

- Week 7: Testing

- Week 8: Docs

## Squad E3.4 — Payments & Disputes API

### 1. Purpose

Handle payment disputes, refunds, chargebacks.

### 2. Scope (MVP)

- Fetch disputes

- Resolve disputes with admin decision

### 3. Functional Requirements

- Retrieve disputes from DB

- Update status on resolution

- Emit admin.action.logged

### 4. Data Models

- disputes

- audit\_logs

### 5. API List

- GET /admin/payments

### 6. Sequence Flow

Dispute created → stored → Admin fetches → resolves → action logged.

### 7. Testing Plan

- Unit: dispute fetch + status update

- Integration: flow validation

### 8. Deliverables

- Endpoint

- Migrations

- Docs

- Tests

### 9. 8-Week Timeline

- Week 1: Schema

- Week 2–3: Endpoint

- Week 4: Status update logic

- Week 5–6: Event logging

- Week 7: Testing

- Week 8: Docs

## Squad E3.5 — Analytics & Logs API

### 1. Purpose

Provide admins with charts, usage data, and system logs.

### 2. Scope (MVP)

- Aggregate data for visualization

- Display audit logs

### 3. Functional Requirements

- Read from audit\_logs

- Return stats (disputes resolved, flags handled)

### 4. Data Models

- audit\_logs

### 5. API List

- GET /admin/analytics

### 6. Sequence Flow

Actions logged → analytics API aggregates → charts shown.

### 7. Testing Plan

- Unit: aggregation queries

- Integration: dashboard API response

### 8. Deliverables

- Endpoint

- Charts backend

### 9. 8-Week Timeline

- Week 1: Schema

- Week 2–3: Endpoint

- Week 4: Chart backend logic

- Week 5–6: Integration with logs

- Week 7: Testing

- Week 8: Docs