**<https://claude.ai/public/artifacts/f5482fc0-ad3c-457d-b03c-41fccb0de031>**

**https://claude.ai/public/artifacts/54f71a68-7121-4e88-90c0-c3b1d2f36c36**

**graph** TD

    %% Styling - White background with black borders

    style A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style B fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style C fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style D fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style E fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style F fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style G fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style H fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style I fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style J fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style K fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style L fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style M fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style N fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style O fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style N1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style N2 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style O1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style O2 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P2 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P3 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P4 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P4A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P4B fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P4C fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style P4D fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style Q fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style Q1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style Q1A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style R fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style R1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style R1A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S2 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S1A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S1B fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S1C fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S1D fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S2A fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S2B fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S2C fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style S2D fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style T fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style T1 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style T2 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    style T3 fill:#ffffff,stroke:#000000,stroke-width:2px,color:#000000

    %% App Flow

    A[App Launch] **-->** B{User Authentication}

    B **-->**|Success| C[Main Dashboard]

    B **-->**|Failed| D[Login Screen]

    D **-->** B

    C **-->** E[Navigation Container]

    E **-->** F[Bottom Tab Navigator]

    E **-->** G[Sidebar Menu]

    %% Bottom Navigation

    F **-->** H[Home Tab]

    F **-->** I[Discover Tab - Active]

    F **-->** J[VIR Tab]

    F **-->** K[Statements Tab]

    F **-->** L[Help Tab]

    %% Discover Screen Components

    I **-->** M[Discover Screen]

    M **-->** N[User Profile Header]

    M **-->** O[Reward Status Banner]

    M **-->** P[Discovery Categories Grid]

    N **-->** N1[User Name: Ajith Kumar]

    N **-->** N2[View Profile Link]

    O **-->** O1[Gold Reward Member]

    O **-->** O2[₹20,000 away from Platinum]

    %% Discovery Categories - Static Frontend

    P **-->** P1[Proposals Card]

    P **-->** P2[Renewals Card]

    P **-->** P3[Claims Card]

    P **-->** P4[Sales Expandable Section]

    P4 **-->** P4A[Issue Policy Card]

    P4 **-->** P4B[Short Fall Card]

    P4 **-->** P4C[KYC Card]

    P4 **-->** P4D[Medical Card]

    %% Services Section

    M **-->** Q[Services Section]

    Q **-->** Q1[Dynamic Services Grid]

    Q1 **-->** Q1A[Fetch Services from Backend API]

    %% Assistance Section

    M **-->** R[Assistance Section]

    R **-->** R1[Dynamic Assistance Grid]

    R1 **-->** R1A[Fetch Assistance Items from Backend API]

    %% Sidebar Navigation - Frontend Structure

    G **-->** S[Sidebar Menu Container]

    S **-->** S1[Static Menu Items]

    S **-->** S2[Dynamic Menu Items from API]

    S1 **-->** S1A[Home]

    S1 **-->** S1B[Profile Section]

    S1 **-->** S1C[Help]

    S1 **-->** S1D[Logout]

    S2 **-->** S2A[Sales Menu - Expandable]

    S2 **-->** S2B[Services Menu - Expandable]

    S2 **-->** S2C[Assistance Menu - Expandable]

    S2 **-->** S2D[Other Dynamic Items]

    %% System Updates

    M **-->** T[System Update Notification]

    T **-->** T1[New Update Available]

    T **-->** T2[Update Now Button]

    T2 **-->** T3[App Update Process]

**API Endpoints for iLounge Mobile App**

**User Profile & Authentication**

**1. Get User Profile**

**Endpoint:** GET /user/profile  
**Description:** Get current user profile information  
**Response:**

{

"success": true,

"data": {

"user\_id": "12345",

"name": "Ajith Kumar",

"email": "ajith.kumar@email.com",

"phone": "+91-9876543210",

"employee\_id": "EMP001",

"designation": "Sales Manager",

"branch": "Chennai Main",

"avatar\_url": null,

"last\_login": "2025-05-28T09:30:00Z"

}

}

**2. Get Reward Status**

**Endpoint:** GET /user/rewards  
**Description:** Get user's current reward tier and progress  
**Response:**

{

"success": true,

"data": {

"current\_tier": "Gold",

"current\_points": 80000,

"next\_tier": "Platinum",

"points\_to\_next\_tier": 20000,

"tier\_benefits": [

"Priority support",

"Exclusive offers",

"Monthly rewards"

],

"progress\_percentage": 80

}

}

**Discover Screen - Main Categories**

**3. Get Discovery Categories**

**Endpoint:** GET /discover/categories  
**Description:** Get all discovery categories for main screen  
**Response:**

{

"success": true,

"data": {

"categories": [

{

"id": "proposals",

"name": "Proposals",

"description": "View saved proposals",

"icon": "proposals\_icon",

"count": 15,

"is\_active": true

},

{

"id": "renewals",

"name": "Renewals",

"description": "Check pending & lost renewals",

"icon": "renewals\_icon",

"count": 8,

"is\_active": true

},

{

"id": "claims",

"name": "Claims",

"description": "Get all the claim info & track them",

"icon": "claims\_icon",

"count": 3,

"is\_active": true

}

]

}

}

**Sales Section**

**4. Get Sales Categories**

**Endpoint:** GET /discover/sales  
**Description:** Get all sales-related categories  
**Response:**

{

"success": true,

"data": {

"sales\_categories": [

{

"id": "issue\_policy",

"name": "Issue policy",

"description": "Start the journey to issue policy",

"icon": "policy\_icon",

"is\_expandable": false,

"action\_url": "/sales/issue-policy"

},

{

"id": "short\_fall",

"name": "Short fall",

"description": "Short fall collection list",

"icon": "shortfall\_icon",

"is\_expandable": false,

"action\_url": "/sales/short-fall"

},

{

"id": "kyc",

"name": "KYC",

"description": "Remind customers on their KYC",

"icon": "kyc\_icon",

"is\_expandable": false,

"action\_url": "/sales/kyc"

},

{

"id": "medical",

"name": "Medical",

"description": "Remind customers of medical reports",

"icon": "medical\_icon",

"is\_expandable": false,

"action\_url": "/sales/medical"

}

]

}

}

**Services Section**

**5. Get Services**

**Endpoint:** GET /discover/services  
**Description:** Get all available services  
**Response:**

{

"success": true,

"data": {

"services": [

{

"id": "policy\_search",

"name": "Policy search",

"description": "Policy search and download",

"icon": "search\_icon",

"is\_active": true,

"action\_url": "/services/policy-search"

},

{

"id": "tp\_revision",

"name": "TP Revision",

"description": "Remind about TP revisions",

"icon": "tp\_revision\_icon",

"is\_active": true,

"action\_url": "/services/tp-revision"

},

{

"id": "cancellation",

"name": "Cancellation",

"description": "Check all type of cancellations",

"icon": "cancellation\_icon",

"is\_active": true,

"action\_url": "/services/cancellation"

},

{

"id": "ncb",

"name": "NCB",

"description": "No claim bonus Reminders",

"icon": "ncb\_icon",

"is\_active": true,

"action\_url": "/services/ncb"

},

{

"id": "vb\_status",

"name": "64 VB Status",

"description": "Check your 64 VB Status",

"icon": "vb\_status\_icon",

"is\_active": true,

"action\_url": "/services/vb-status"

},

{

"id": "endorsements",

"name": "Endorsements",

"description": "List of endorsements",

"icon": "endorsements\_icon",

"is\_active": true,

"action\_url": "/services/endorsements"

},

{

"id": "emi\_records",

"name": "EMI Records",

"description": "Get all EMI information",

"icon": "emi\_icon",

"is\_active": true,

"action\_url": "/services/emi-records"

},

{

"id": "cheque\_bounce",

"name": "Cheque Bounce",

"description": "Check all type of Cheque bounce",

"icon": "cheque\_icon",

"is\_active": true,

"action\_url": "/services/cheque-bounce"

}

]

}

}

**Assistance Section**

**6. Get Assistance Items**

**Endpoint:** GET /discover/assistance  
**Description:** Get all assistance items  
**Response:**

{

"success": true,

"data": {

"assistance\_items": [

{

"id": "digital\_assets",

"name": "Digital Assets",

"description": "Assets to promote our products",

"icon": "digital\_assets\_icon",

"is\_active": true,

"action\_url": "/assistance/digital-assets"

},

{

"id": "knowledge\_center",

"name": "Knowledge center",

"description": "Creatives made for educating users",

"icon": "knowledge\_icon",

"is\_active": true,

"action\_url": "/assistance/knowledge-center"

}

]

}

}

**Sidebar Navigation**

**7. Get Sidebar Menu Items**

**Endpoint:** GET /navigation/sidebar  
**Description:** Get dynamic sidebar navigation structure  
**Response:**

{

"success": true,

"data": {

"static\_items": [

{

"id": "home",

"name": "Home",

"icon": "home\_icon",

"action\_url": "/home",

"is\_expandable": false,

"order": 1

}

],

"dynamic\_sections": [

{

"id": "sales",

"name": "Sales",

"icon": "sales\_icon",

"is\_expandable": true,

"is\_expanded": false,

"order": 2,

"sub\_items": [

{

"id": "proposal",

"name": "Proposal",

"icon": "proposal\_icon",

"action\_url": "/sales/proposal",

"is\_active": true

},

{

"id": "issue\_policy",

"name": "Issue Policy",

"icon": "policy\_icon",

"action\_url": "/sales/issue-policy",

"is\_active": false

},

{

"id": "vir",

"name": "VIR",

"icon": "vir\_icon",

"action\_url": "/sales/vir",

"is\_active": false

},

{

"id": "short\_fall\_collection",

"name": "Short fall Collection",

"icon": "shortfall\_icon",

"action\_url": "/sales/short-fall",

"is\_active": false

},

{

"id": "kyc\_pending",

"name": "KYC pending",

"icon": "kyc\_icon",

"action\_url": "/sales/kyc-pending",

"is\_active": false

},

{

"id": "medical\_docs",

"name": "Medical Docs",

"icon": "medical\_icon",

"action\_url": "/sales/medical-docs",

"is\_active": false

}

]

},

{

"id": "renewals",

"name": "Renewals",

"icon": "renewals\_icon",

"action\_url": "/renewals",

"is\_expandable": false,

"is\_highlighted": true,

"order": 3

},

{

"id": "claims",

"name": "Claims",

"icon": "claims\_icon",

"action\_url": "/claims",

"is\_expandable": false,

"order": 4

},

{

"id": "services",

"name": "Services",

"icon": "services\_icon",

"is\_expandable": true,

"is\_expanded": false,

"order": 5,

"sub\_items": [

{

"id": "policy\_search",

"name": "Policy Search",

"icon": "search\_icon",

"action\_url": "/services/policy-search"

},

{

"id": "tp\_revision",

"name": "TP Revision",

"icon": "tp\_icon",

"action\_url": "/services/tp-revision"

},

{

"id": "cancellation",

"name": "Cancellation",

"icon": "cancel\_icon",

"action\_url": "/services/cancellation"

}

]

},

{

"id": "assistance",

"name": "Assistance",

"icon": "assistance\_icon",

"is\_expandable": true,

"is\_expanded": true,

"order": 6,

"sub\_items": [

{

"id": "digital\_assets",

"name": "Digital Assets",

"icon": "digital\_icon",

"action\_url": "/assistance/digital-assets"

},

{

"id": "knowledge\_center",

"name": "Knowledge Center",

"icon": "knowledge\_icon",

"action\_url": "/assistance/knowledge-center"

}

]

},

{

"id": "commission",

"name": "Commission",

"icon": "commission\_icon",

"action\_url": "/commission",

"is\_expandable": false,

"order": 7

}

],

"bottom\_items": [

{

"id": "help",

"name": "Help",

"icon": "help\_icon",

"action\_url": "/help",

"order": 8

},

{

"id": "logout",

"name": "Logout",

"icon": "logout\_icon",

"action\_type": "logout",

"order": 9

}

]

}

}

**System Updates**

**8. Check System Updates**

**Endpoint:** GET /system/updates  
**Description:** Check for available system updates  
**Response:**

{

"success": true,

"data": {

"has\_update": true,

"update\_info": {

"version": "2.1.0",

"title": "New Update",

"description": "A new system update is available today. Please update for better experience.",

"is\_mandatory": false,

"download\_url": "https://play.google.com/store/apps/details?id=com.royalsundaram.ilounge",

"release\_notes": [

"Performance improvements",

"Bug fixes",

"New features added"

],

"release\_date": "2025-05-28"

}

}

}

**9. Update App Status**

**Endpoint:** POST /system/updates/acknowledge  
**Description:** Acknowledge that user has seen the update notification  
**Request Body:**

{

"version": "2.1.0",

"action": "dismissed"

}

**Response:**

{

"success": true,

"message": "Update acknowledgment recorded"

}

**Bottom Navigation**

**10. Get Bottom Navigation Items**

**Endpoint:** GET /navigation/bottom-tabs  
**Description:** Get bottom navigation tab configuration  
**Response:**

{

"success": true,

"data": {

"tabs": [

{

"id": "home",

"name": "Home",

"icon": "home\_icon",

"active\_icon": "home\_active\_icon",

"route": "/home",

"is\_active": false,

"order": 1

},

{

"id": "discover",

"name": "Discover",

"icon": "discover\_icon",

"active\_icon": "discover\_active\_icon",

"route": "/discover",

"is\_active": true,

"order": 2

},

{

"id": "vir",

"name": "VIR",

"icon": "vir\_icon",

"active\_icon": "vir\_active\_icon",

"route": "/vir",

"is\_active": false,

"order": 3

},

{

"id": "statements",

"name": "Statements",

"icon": "statements\_icon",

"active\_icon": "statements\_active\_icon",

"route": "/statements",

"is\_active": false,

"order": 4

},

{

"id": "help",

"name": "Help",

"icon": "help\_icon",

"active\_icon": "help\_active\_icon",

"route": "/help",

"is\_active": false,

"order": 5

}

]

}

}

**Common Response Structure**

**Error Response Format:**

{

"success": false,

"error": {

"code": "ERROR\_CODE",

"message": "Human readable error message",

"details": "Additional error details if needed"

}

}

**Pagination Response Format:**

{

"success": true,

"data": {

"items": [...],

"pagination": {

"current\_page": 1,

"total\_pages": 5,

"total\_count": 100,

"per\_page": 20,

"has\_next": true,

"has\_previous": false

}

}

}

**Authentication Headers Required:**

Authorization: Bearer {access\_token}

Content-Type: application/json

Accept: application/json

X-App-Version: 2.0.0

X-Platform: ios/android

**sequenceDiagram**

    participant MA as Mobile App

    participant BE as Backend API

    participant DB as Database

    participant FS as File Storage

    Note over MA, FS**:** App Launch & Initial Load

    MA**->>**BE**:** GET /user/profile

    BE**->>**DB**:** Query user profile data

    DB**-->>**BE**:** Return user details

    BE**-->>**MA**:** {user\_id, name, email, phone, employee\_id, designation, branch}

    MA**->>**BE**:** GET /user/rewards

    BE**->>**DB**:** Query reward tier and points

    DB**-->>**BE**:** Return reward status

    BE**-->>**MA: {current\_tier: "Gold", current\_points: 80000, next\_tier: "Platinum", points\_to\_next\_tier**:** 20000}

    Note over MA, FS**:** Bottom Navigation Setup

    MA**->>**BE**:** GET /navigation/bottom-tabs

    BE**->>**DB**:** Query navigation configuration

    DB**-->>**BE**:** Return tab structure

    BE**-->>**MA: {tabs: [{id: "home"}, {id: "discover"}, {id: "vir"}, {id: "statements"}, {id**:** "help"}]}

    Note over MA, FS**:** Discover Screen - Main Categories

    MA**->>**BE**:** GET /discover/categories

    BE**->>**DB**:** Query discovery categories

    DB**-->>**BE**:** Return category data

    BE**-->>**MA: {categories: [{id: "proposals", count: 15}, {id: "renewals", count: 8}, {id: "claims", count**:** 3}]}

    Note over MA, FS**:** Sales Section Load

    MA**->>**BE**:** GET /discover/sales

    BE**->>**DB**:** Query sales categories

    DB**-->>**BE**:** Return sales data

    BE**-->>**MA: {sales\_categories: [{id: "issue\_policy"}, {id: "short\_fall"}, {id: "kyc"}, {id**:** "medical"}]}

    Note over MA, FS**:** Services Section Load

    MA**->>**BE**:** GET /discover/services

    BE**->>**DB**:** Query available services

    DB**-->>**BE**:** Return services data

    BE**-->>**MA: {services: [{id: "policy\_search"}, {id: "tp\_revision"}, {id: "cancellation"}, {id: "ncb"}, {id: "vb\_status"}, {id: "endorsements"}, {id: "emi\_records"}, {id**:** "cheque\_bounce"}]}

    Note over MA, FS**:** Assistance Section Load

    MA**->>**BE**:** GET /discover/assistance

    BE**->>**DB**:** Query assistance items

    DB**-->>**BE**:** Return assistance data

    BE**-->>**MA: {assistance\_items: [{id: "digital\_assets"}, {id**:** "knowledge\_center"}]}

    Note over MA, FS**:** Sidebar Navigation Setup

    MA**->>**BE**:** GET /navigation/sidebar

    BE**->>**DB**:** Query sidebar menu structure

    DB**-->>**BE**:** Return navigation hierarchy

    BE**-->>**MA: {static\_items: [...], dynamic\_sections: [{id: "sales", sub\_items: [...]}, {id: "services", sub\_items: [...]}], bottom\_items**:** [...]}

    Note over MA, FS**:** System Update Check

    MA**->>**BE**:** GET /system/updates

    BE**->>**DB**:** Check for available updates

    DB**-->>**BE**:** Return update information

    BE**-->>**MA: {has\_update: true, update\_info: {version: "2.1.0", title: "New Update", is\_mandatory: false}}

    Note over MA, FS**:** User Interaction - Sales Category Selection

    MA**->>**BE**:** GET /sales/issue-policy (action\_url from sales category)

    BE**->>**DB**:** Query issue policy data

    DB**-->>**BE**:** Return policy issuance information

    BE**-->>**MA**:** Issue policy screen data

    Note over MA, FS**:** User Interaction - Service Selection

    MA**->>**BE**:** GET /services/policy-search (action\_url from services)

    BE**->>**DB**:** Query policy search functionality

    DB**-->>**BE**:** Return search interface data

    BE**-->>**MA**:** Policy search screen data

    Note over MA, FS**:** User Interaction - Assistance Selection

    MA**->>**BE**:** GET /assistance/digital-assets (action\_url from assistance)

    BE**->>**DB**:** Query digital assets

    DB**-->>**BE**:** Return available digital assets

    BE**-->>**MA**:** Digital assets listing

    Note over MA, FS**:** Update Acknowledgment

    MA**->>**BE: POST /system/updates/acknowledge<br/>{version: "2.1.0", action**:** "dismissed"}

    BE**->>**DB**:** Record update acknowledgment

    DB**-->>**BE**:** Acknowledgment saved

    BE**-->>**MA: {success: true, message**:** "Update acknowledgment recorded"}