

CELf Mobile App Architecture

Screen Navigation Structure

CELf Mining App

1. Pre-Authentication Screens

1.1 App Launch Screens

Screen 1: Splash Screen

- App logo animation
- Loading indicator
- Version check
- Auto-redirect after 2-3 seconds

Screen 2: App Update Screen (if needed)

- Update required message
- New features preview
- Update button
- Skip option (for optional updates)

Screen 3: Maintenance Screen (if needed)

- Maintenance notification
- Estimated time
- Contact support option

2. Authentication Screens

2.1 Welcome & Sign Up Flow

Screen 4: Welcome Screen

- Welcome slides carousel (3 slides)
- Skip button
- Next/Previous navigation
- Get Started button

Screen 5: Sign Up Options Screen

- Email & Password option

- Phone number option
- Social media login buttons:
 - Google Sign-in
 - Apple ID
 - Facebook Login
- Terms & Conditions link (*Links to website*)
- Privacy Policy link (*Links to website*)
- Already have account? Login link

Screen 6: Email Registration Screen

- Email input field
- Password input field
- Confirm password field
- Username input field
- Country selection dropdown
- Create Account button
- Back button

Screen 7: Phone Registration Screen

- Phone number input
- Country code selector
- SMS verification notice
- Send Code button
- Back button

Screen 8: OTP Verification Screen

- 6-digit OTP input
- Resend code button
- Timer countdown
- Verify button
- Change phone number link

Screen 9: Social Login Processing Screen

- Loading animation
- "Connecting to [Platform]" message

- Cancel button

2.2 Login Flow

Screen 10: Login Screen

- Email/Username input
- Password input
- Remember me checkbox
- Login button
- Forgot password link
- Create account link
- Social login options

Screen 11: Forgot Password Screen

- Email input field
- Send reset link button
- Back to login link
- Instructions text

Screen 12: Reset Password Screen

- New password input
- Confirm password input
- Reset button
- Requirements checklist

3. Onboarding Screens

3.1 Initial Setup

Screen 13: Profile Setup Screen

- Profile picture upload
- Username input (with availability check)
- Bio input (optional)
- Country confirmation
- Continue button

Screen 14: Notification Permission Screen

- Notification benefits explanation

- Allow notifications button
- Skip for now button
- Settings preview

Screen 15: Welcome Bonus Screen

- Congratulations message
- Welcome bonus amount (10 CELF)
- Claim bonus button
- Continue to app button

Screen 16: Tutorial Overlay Screens (5 screens)

- Tutorial 1: Mining button explanation
- Tutorial 2: Balance display
- Tutorial 3: Referral system
- Tutorial 4: Navigation tabs
- Tutorial 5: Settings access

4. Main App Screens

4.1 Bottom Navigation Screens

Screen 17: Home/Mining Dashboard

- Mining button (main feature)
- Current balance display
- Mining rate display
- Session timer
- Today's earnings
- Quick stats cards
- News ticker
- Navigation tabs

Screen 18: Wallet Screen

- Total balance
- Available/Locked balance
- USD conversion
- Recent transactions list

- Send/Receive buttons
- Transaction history button

Screen 19: Referrals Screen

- Referral code/link sharing
- Active referrals list
- Inactive referrals list
- Referral earnings
- Invite friends button
- Referral leaderboard

Screen 20: Profile Screen

- Profile picture and info
- Mining statistics
- Achievement badges
- Settings access
- Account level

Screen 21: Socials Screen (NEW)

- **Social Media Feed Integration**
 - Facebook posts display
 - Twitter/X feed
 - Instagram gallery
 - LinkedIn updates
 - YouTube videos
 - TikTok content
- **Post Interaction Features**
 - Like/React buttons
 - Share functionality
 - Comment preview
 - **Click-to-redirect** (automatically opens social media platform)
- **Social Navigation**
 - Platform filtering
 - Content categories
 - Search functionality

- Refresh feed

4.2 Mining Related Screens

Screen 22: Mining Active Screen

- Large mining button (active state)
- Real-time counter
- Mining rate breakdown
- Session progress bar
- Pause/Stop options

5. Profile & Settings Screens

5.1 Profile Management

Screen 23: Edit Profile Screen

- Profile picture change
- Username edit
- Bio edit
- Contact information
- Save changes button
- Cancel button

Screen 24: Account Settings Screen

- Email change
- Phone number change
- Password change
- Two-factor authentication
- Privacy settings
- Account deletion

Screen 25: App Settings Screen

- Notification preferences
- Language selection
- Theme selection (Dark/Light)
- Auto-mining settings
- Data usage settings

- Cache management

6. Wallet Screens

6.1 Wallet Management

Screen 26: Wallet Details Screen

- Detailed balance breakdown
- Wallet address display
- QR code for receiving
- Copy address button
- Wallet backup options

Screen 27: Send Tokens Screen

- Recipient selection
- Amount input
- Fee calculation
- Message field (optional)
- Send confirmation
- Transaction preview

Screen 28: Receive Tokens Screen

- QR code display
- Wallet address
- Amount request field
- Share options
- Copy address button

Screen 29: Transaction History Screen

- Transaction list
- Filter options
- Search functionality
- Transaction details
- Export history
- Refresh button

Screen 30: Transaction Details Screen

- Transaction ID
- Amount and fee
- Timestamp
- Status
- Block explorer link
- Receipt sharing

7. Achievement & Gamification Screens

7.1 Achievement System

Screen 31: Achievements Screen

- Achievement categories
- Progress tracking
- Completed achievements
- Upcoming achievements
- Reward history

Screen 32: Achievement Details Screen

- Achievement description
- Progress bar
- Reward information
- Completion tips
- Share achievement

Screen 33: Daily Challenges Screen

- Today's challenges
- Challenge progress
- Rewards display
- Challenge history
- Bonus challenges

Screen 34: Challenge Details Screen

- Challenge description
- Progress tracking
- Reward information

- Start challenge button
- Challenge tips

8. Support & Help Screens (*Links to Website*)

Screen 35: Help Center Navigation Screen

- Quick FAQ links
- **"Visit Full Help Center"** button (*Links to website*)
- Contact support options
- Live chat access
- Emergency contact info

Screen 36: Contact Support Navigation Screen

- **"Visit Support Center"** button (*Links to website*)
- Emergency contact options
- Quick issue reporting
- Live chat launcher

9. Administrative Screens (*Links to Website*)

Screen 37: App Information Navigation Screen

- Current app version
- **"View Full App Information"** button (*Links to website*)
- Update notifications
- What's new summary

Screen 38: Terms & Conditions Navigation Screen

- Terms summary
- **"Read Full Terms"** button (*Links to website*)
- Last updated date
- Quick acceptance options

Screen 39: Privacy Policy Navigation Screen

- Privacy summary
- **"Read Full Privacy Policy"** button (*Links to website*)
- Data usage overview
- Quick privacy controls

10. Modal & Popup Screens

10.1 Confirmation Dialogs

Screen 40: Mining Confirmation Modal

- Start mining confirmation
- Mining rate display
- Confirm/Cancel buttons

Screen 41: Transaction Confirmation Modal

- Transaction details
- Fee information
- Biometric authentication
- Confirm/Cancel buttons

Screen 42: Logout Confirmation Modal

- Logout warning
- Data sync status
- Confirm/Cancel buttons

10.2 Information Modals

Screen 43: Mining Rate Info Modal

- Rate calculation breakdown
- Bonus explanations
- Optimization tips
- Close button

Screen 44: Achievement Unlocked Modal

- Achievement badge
- Reward information
- Share options
- Continue button

Screen 45: Referral Success Modal

- Success message
- Referral information

- Bonus details
- Continue button

11. Error & Loading States

Screen 46: Loading Screen

- Loading animation
- Progress indicator
- Loading message
- Cancel option (if applicable)

Screen 47: Error Screen

- Error message
- Error code
- Retry button
- Contact support
- Go back option

Screen 48: No Internet Screen

- No connection message
- Retry button
- Network troubleshooting

Screen 49: Maintenance Mode Screen

- Maintenance message
- Estimated completion
- Contact information
- App updates info

12. Empty States

Screen 50: Empty Transaction History

- No transactions message
- Start mining suggestion
- Get started button

Screen 51: Empty Referrals

- No referrals message
- Invite friends suggestion
- Share referral button

Screen 52: Empty Social Feed *(NEW)*

- No posts message
 - Refresh button
 - Visit social media platforms button
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Screen Flow Examples

New User Flow

Splash → Welcome → Sign Up → OTP → Profile Setup → Notification Permission → Welcome Bonus → Tutorial → Mining Dashboard

Daily User Flow

Mining Dashboard → Start Mining → Mining Active → Check Referrals → View Achievements → Profile Settings → **Socials Screen**

Transaction Flow

Wallet → Send Tokens → Recipient Selection → Amount Input → Confirmation → Biometric Auth → Transaction Complete

Support Flow *(NEW)*

Profile → Settings → Help → **Navigate to Website Support Center**

Total Screen Count: 52 Screens