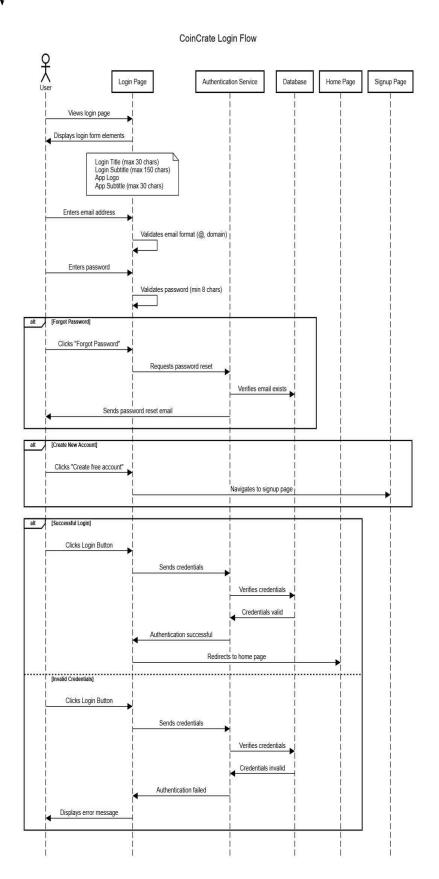
SEQUENCE DIAGRAM

LOGIN FLOW

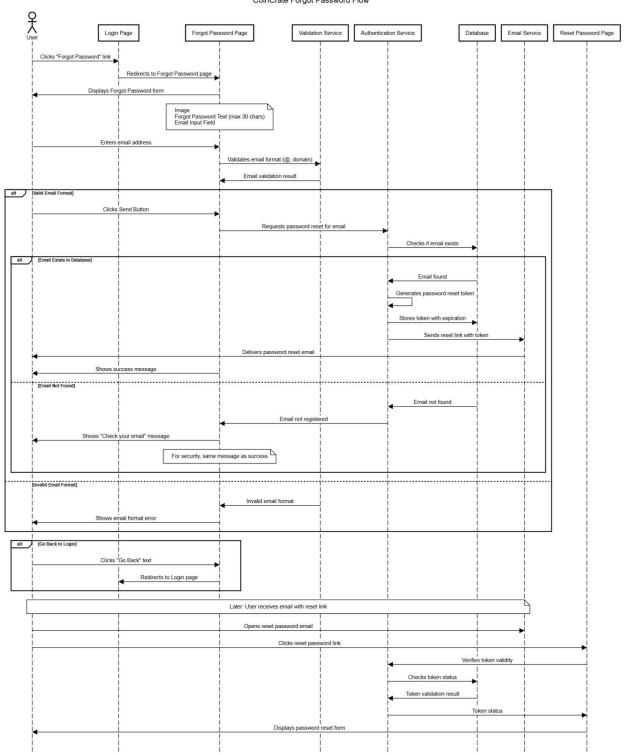


REGISTRATION FLOW

CoinCrate Registration Flow Validation Service Register Page Authentication Service Database Login Page Home Page Views register page Displays registration form elements Register Title (max 30 chars) Register Subtitle (max 150 chars) App Logo App Subtitle (max 30 chars) Enters username Validates username (max 30 chars) Enters email address Validates email format (@, domain) Email validation result Enters password Validates password (min 8, max 60 chars) Password validation result Enters confirmation password Validates passwords match Password match result Clicks Register Button Validates all form fields All fields valid Creates new user account Stores user information User creation successful Redirects to home page [Invalid Form Data] Clicks Register Button Validates all form fields Validation errors found [Email Already Registered] Clicks Register Button Validates all form fields All fields valid Creates new user account Checks if email exists Email already exists Email already registered Displays email already exists error Clicks Login Navigation Button Redirects to login page

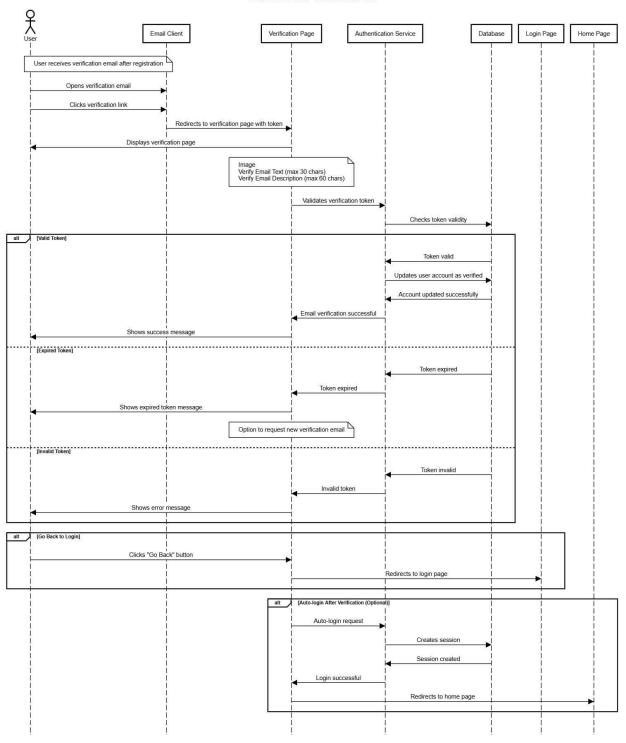
FORGOT PASSWORD FLOW

CoinCrate Forgot Password Flow

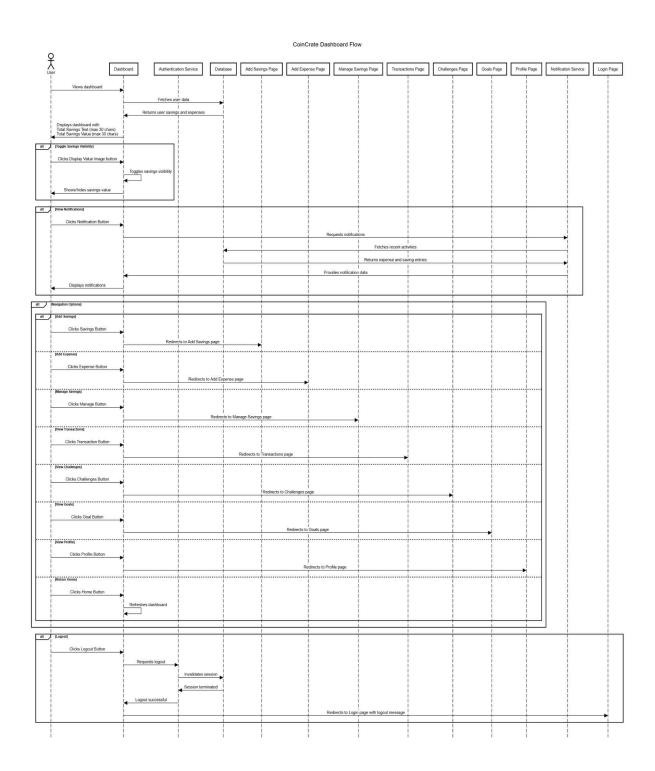


EMAIL VERIFICATION FLOW

CoinCrate Email Verification Flow



DASHBOARD FLOW



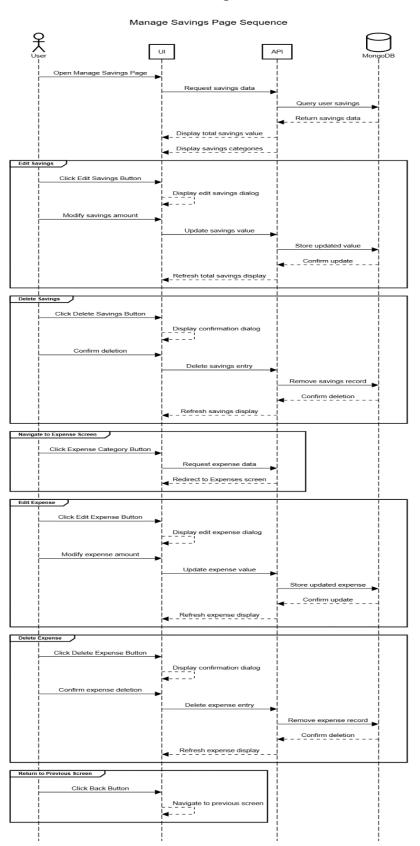
ADDING EXPENSE AND SAVINGS FLOW

Clicks Back Button

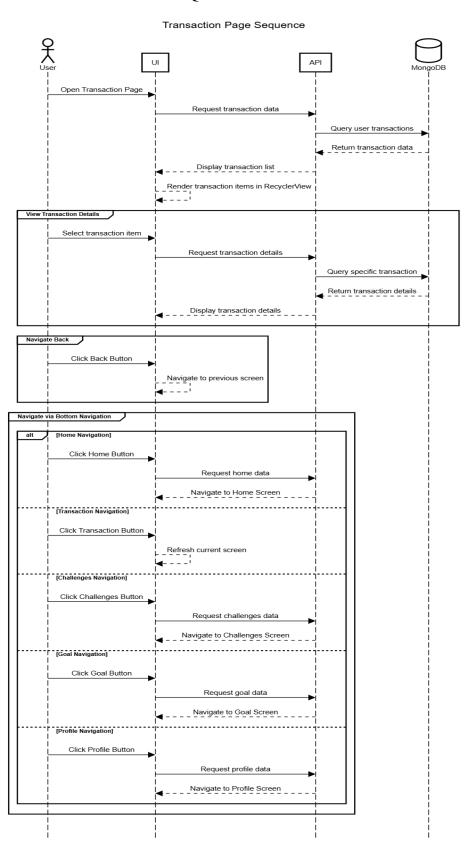
Returns to previous screen

CoinCrate Adding Expense and Savings Flow Add Expense Page Add Savings Page Validation Service Database Notification Service Flow begins from Dashboard Clicks Expense Button Redirects to Add Expense page Displays Add Expense screen Back Button Add Expenses Text (max 30 chars) Expense Image Expense form fields alt [Valid Expense Data] Clicks Save Button Saves expense data Triggers expense notification ects to Goal screen [Invalid Expense Data] Shows validation error messages Clicks Back Button Returns to previous screen Clicks Savings Button Redirects to Add Savings page Displays Add Savings screen Back Button Add Savings Text (max 30 chars) Savings Image Savings form fields Enters savings details Validates savings data alt [Valid Savings Data] Clicks Save Button Shows Goal screen with updated data [Invalid Savings Data] Data validation errors Shows validation error messages

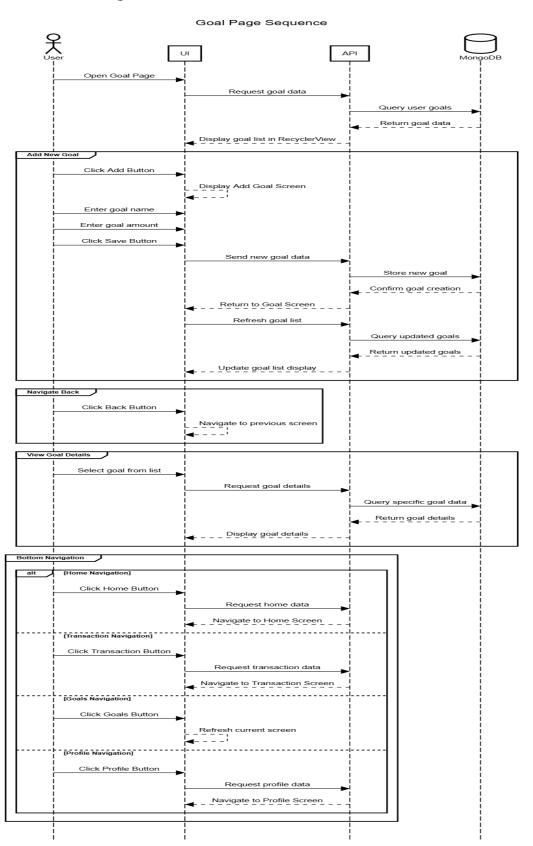
MANAGE SAVINGS PAGE SEQUENCE



TRANSACTION PAGE SEQUENCE



GOAL PAGE SEQUENCE



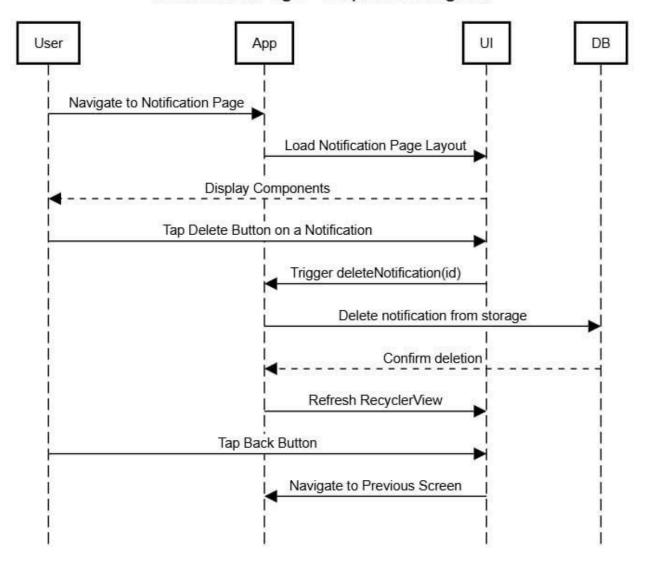
PROFILE PAGE SEQUENCE

Redirect to Login Page

Profile Page - Full Flow with Password Validation UI Validator DB User App Launch Profile Page Render Profile Page Components Display Profile Page Title Display Profile Photo Display User Information Text Display Email Text Tap Edit Information Button Show Editable Fields Enter new Username / Email Enter New Password Enter Confirm Password Check if Password = Confirm Password Match? Yes/No alt / [Passwords Match] Validate Password Strength Pass/Fail alt [Valid Password] Tap Save Button Submit Changes Update User Info Success Show Success Message [Weak Password] Show Validation Error: "Weak Password" [Passwords Do Not Match] Show Error: "Passwords Do Not Match" Tap Logout Button Trigger Logout Flow

NOTIFICATION PAGE SEQUENCE

Notification Page - Sequence Diagram



CHALLENGE PAGE SEQUENCE

Challenge Page - Sequence Diagram (With DB)

