

Screen Sketches

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1_Jabir_1



Actors

1. Student (Primary User)

- a. View Account Balance: Allows the student to check their current balance across accounts.
- b. Set Budget Goals: Enables the student to set monthly or weekly spending limits based on their budget.
- c. Track Spending: Offers a summary or breakdown of expenses, helping students monitor where their money goes.
- d. Add Income: Enables students to input sources of income like wages or financial aid.

2. Administrators (App manager)

- a. Manage Users: Admins can add, remove, or update user accounts and permissions.
- b. Monitor App Usage: Provides insights into how users are interacting with the app, which features are used most, etc.
- c. Send Notifications: Enables admins to send app-wide announcements or targeted tips and advice.

Actors - Continued....

3. Financial Advisor

- a. Provide Budget Advice: Allows advisors to offer personalized financial advice based on the student's spending habits and goals.
- b. Monitor Student's Progress: Offers the ability to view students' budgets and offer feedback on how well they are sticking to them.
- c. Share financial Resources: Allows the advisor to share educational resources, tools, and tips on effective money management

4. Parent/Guardian

- a. View Student's Spending: Allows parents or guardians to monitor the student's financial activity and budget adherence (with student consent).
- b. Set Spending Limits: Enables parents/guardians to set spending limits or budgets for students who may be financially dependent.

Non-Functional Requirements

1. Scalability

- a. The app should efficiently handle an increasing number of users and large amounts of transaction data as the user base grows.

2. Reliability

- a. The app must ensure data accuracy, prevent crashes, and guarantee users can access their financial information without downtime.

3. Performance

- a. The app should provide quick responses to user actions, such as viewing balances, tracking expenses, or receiving tips, with minimal delay.

4. Security

- a. The app must ensure the protection of user data through encryption, secure authentication, and regular security audits to prevent unauthorized access and ensure data privacy.

Tables & Fields

1. Users

- a. User_ID
- b. User_Name
- c. User_Email
- d. User_Role
- e. User_Settings

2. Crypto Purchase

- a. Crypto_type
- b. Amount_purchased
- c. Purchase_date
- d. User_ID

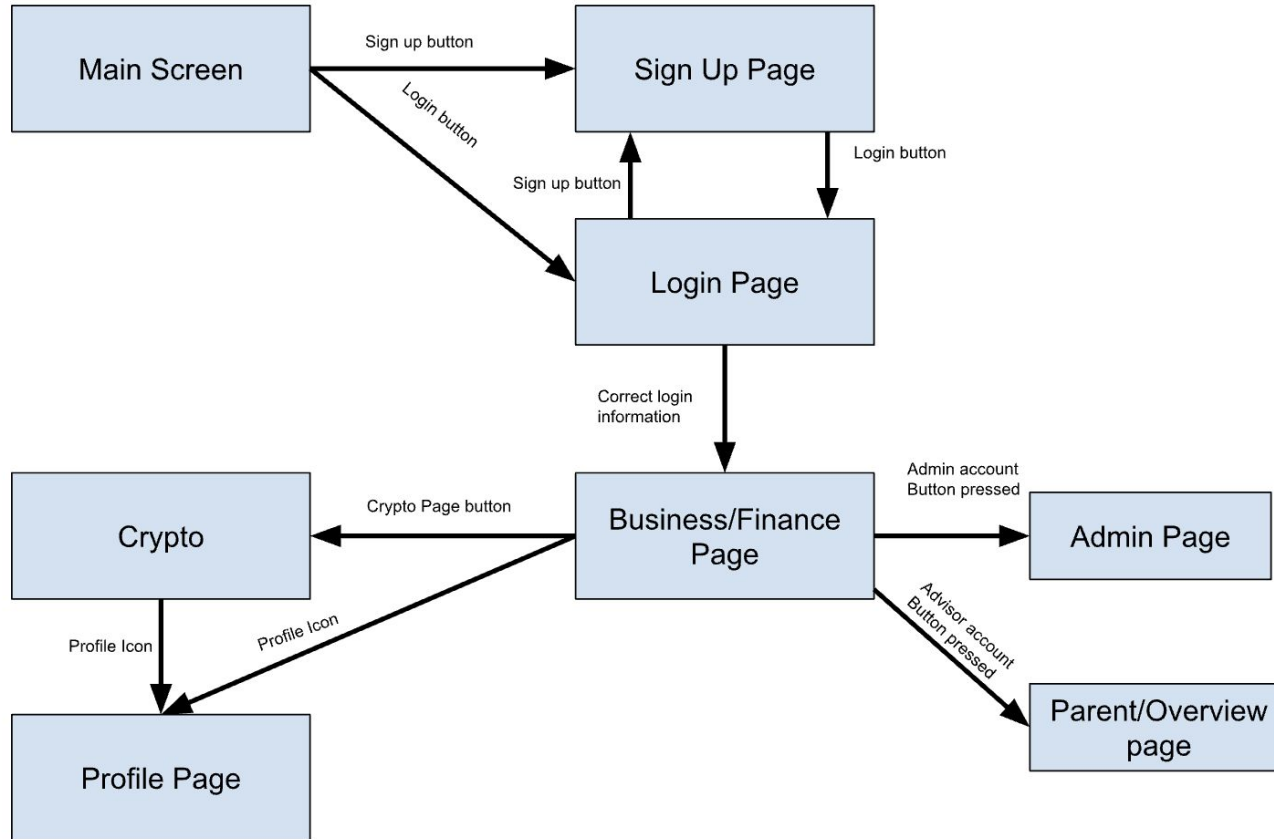
3. Budget Goal

- a. goal_ID
- b. goal_ID
- c. User_ID

4. Financial Tips

- a. tip_ID
- b. Category
- c. Content

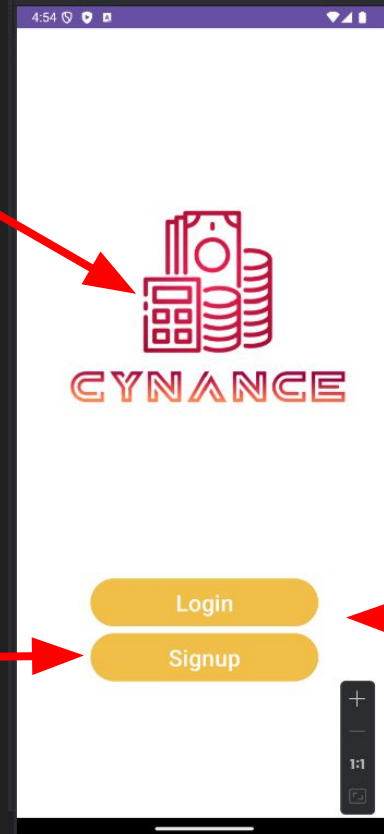
Screen Flow Diagram



Title Page

Logo and name

Go to signup
page



Go to login
page

Title Page cont.

Loading Event: app launch

Interface items:

- Logo
- Field for user to enter username
- Field for user to enter password
- Clicking “login” will send user to the login screen
- Clicking “sign up” will send user to the new user sign up screen

Signup Page

Title

**Get started with
Cynance**

Text fields for users
information. Inputting into our
system

First Name:

Last Name:

Username:

Password:

Confirm:

Back to the login
screen

Login

Signup

Sign up with this
information

Sign Up Page cont.

Loading Event: Signup button clicked

Interface items:

- Title
- Field for user to enter first and last name
- Field for user to enter a new username and password
- A double checked password protection field
- Clicking “login” will send user to the login screen and not save this information
- Clicking “sign up” will create a new account with this information

Login Page

Title

Login to Cynance

Text fields for users
information

Username:

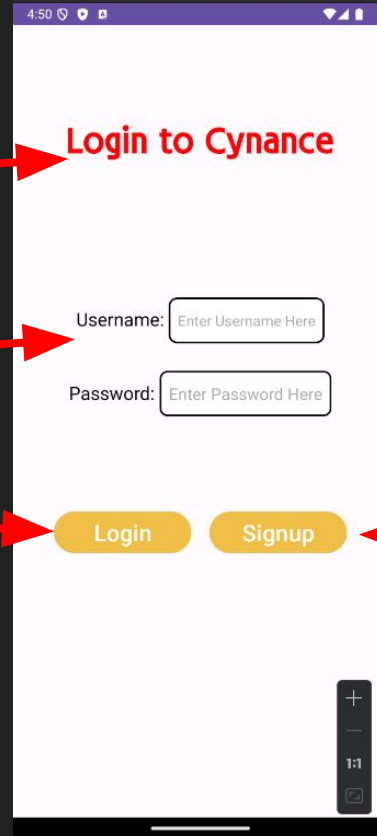
Password:

Login with this
information

Login

Signup

Back to the signup
page

A mobile app login page mockup. At the top, a purple status bar shows the time 4:50 and various icons. Below it, the title "Login to Cynance" is displayed in red. The main content area is white and contains two text input fields: "Username: Enter Username Here" and "Password: Enter Password Here". Below these fields are two yellow buttons: "Login" and "Signup". At the bottom right, there is a dark grey vertical bar with a white plus sign, a minus sign, and the text "1:1".

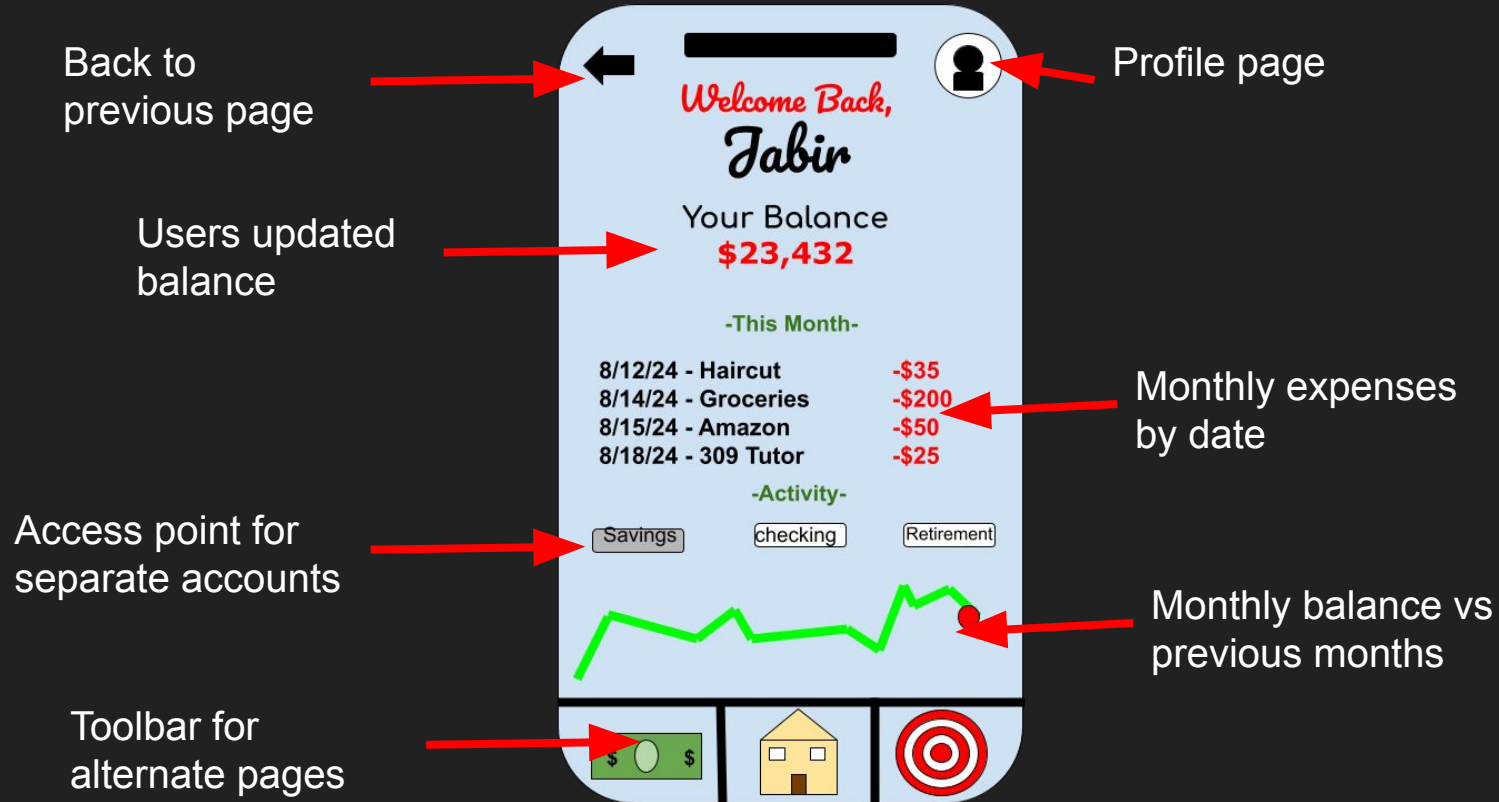
Login Page cont.

Loading Event: Login button pressed

Interface items:

- Title
- Field for user to enter username
- Field for user to enter password
- Clicking “login” will check the backend for this username and password and sign the user in if it matches
- Clicking “sign up” will send user to the new user sign up screen

Finance Page



Finance Page cont.

Loading Event: Login with correct information

Interface Items:

- Back button to previous page
- Welcome title with username
- Profile button takes user to their own profile page
- Users balance to be initially entered by them and kept up to date
- A list of monthly expenses by date, titles, and amounts are displayed
- Graph showing how this month's balance compares to previous ones
- Buttons to switch between accounts such as savings, checking, and retirement
- Toolbar at the bottom of the page for extra utility to switch pages

Profile Page

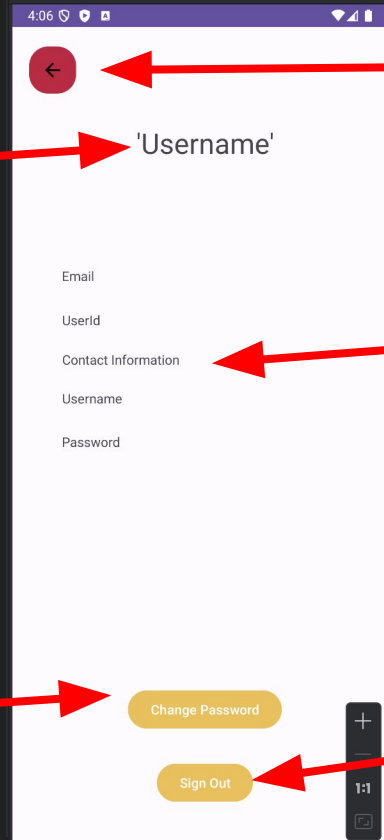
Updated users
username

Back to Finance
Page

Users information to
be double checked

Option to change
password for set
user

Sign out of current
account



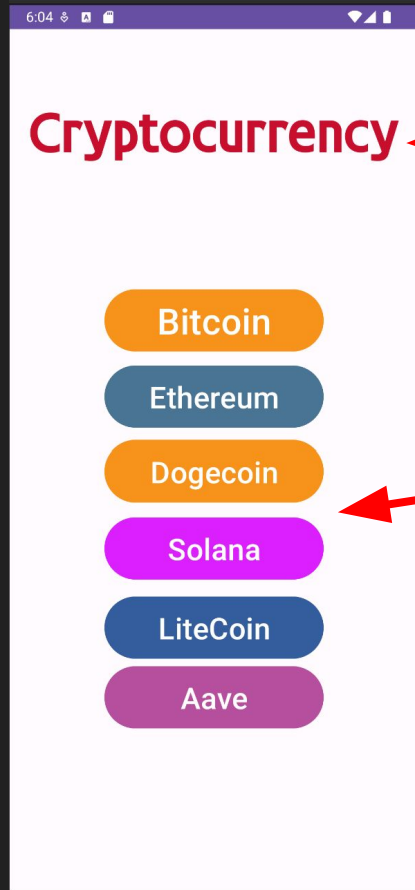
Profile Page Cont.

Loading Event: Profile Icon Pressed

Interface Items:

- User information displayed for users to double check and update if needed
- Ability to change user information: e.g. Username, Name, Password
- Change password button brings up a menu to change users password for increased security
- Sign out button saves users data and signs out of device fully for another user to sign in without any of the previous users information coming with

Cryptocurrency Pages



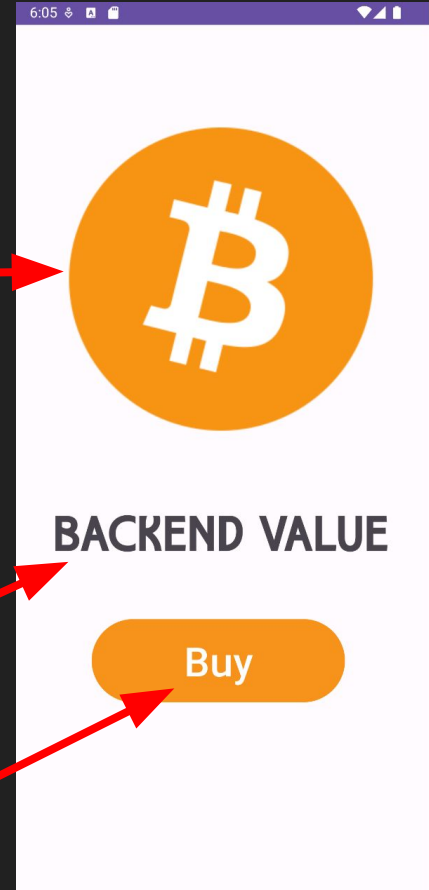
Title

Crypto logo

Access point for
separate crypto
pages

Crypto value

Buy crypto at
this value



Cryptocurrency Pages cont.

Loading Event: Crypto Page button clicked

Interface Items:

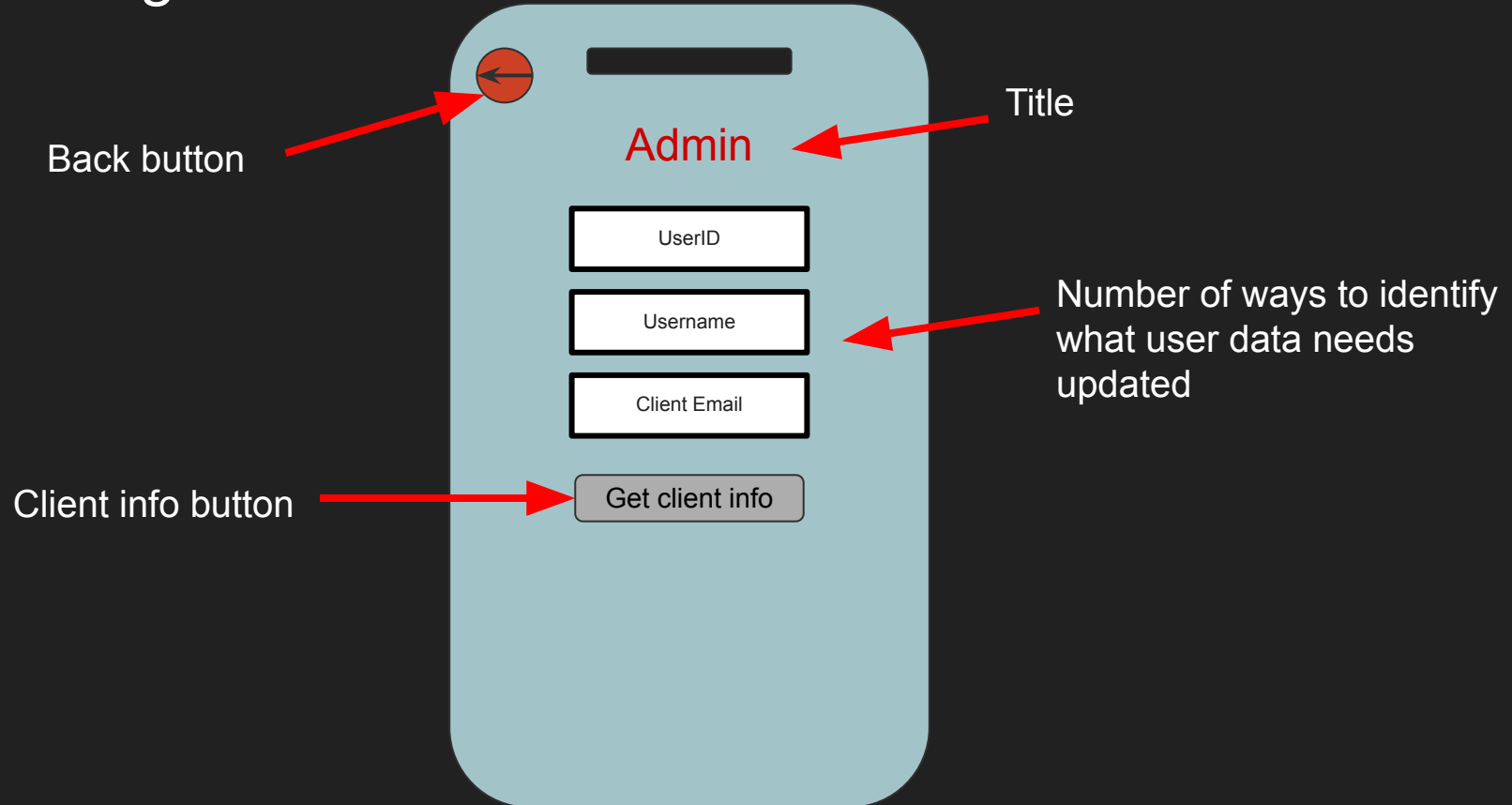
- Back to homepage button
- Multiple buttons to select certain cryptocurrency

Loading Event: Specific Crypto button pressed (e.g. bitcoin)

Interface Items:

- Back to crypto page
- Purchase certain amount of crypto (by price, by amount)
- See current price of cryptocurrency

Admin Page



Admin Page Cont.

Loading Event: Admin account and admin button pressed

Interface Items:

- Ability to get backend data on users
- Ability to manually change user balance
- Ability to change user passwords and update data if needed
- Section to update prices on cryptocurrencies manually if needed
- Profile deletion option

Goals Page

Author: Fadi

Goal names

Goals

Title

Goal Deadlines

Update Resume

2024-12-01

Learn SQL

2024-12-20

new Goal

2024-12-03

Add or change
goal button

Change or add Goal



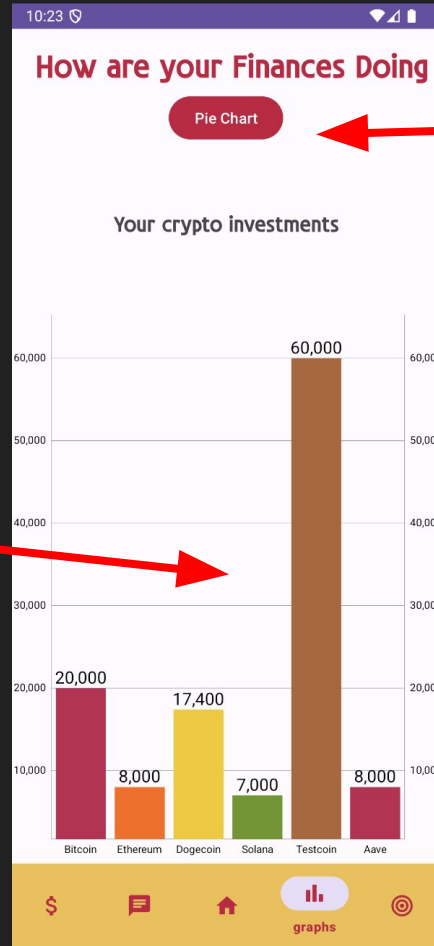
Goals



Crypto Graphs Page

Author: Jacob

Bar graphs

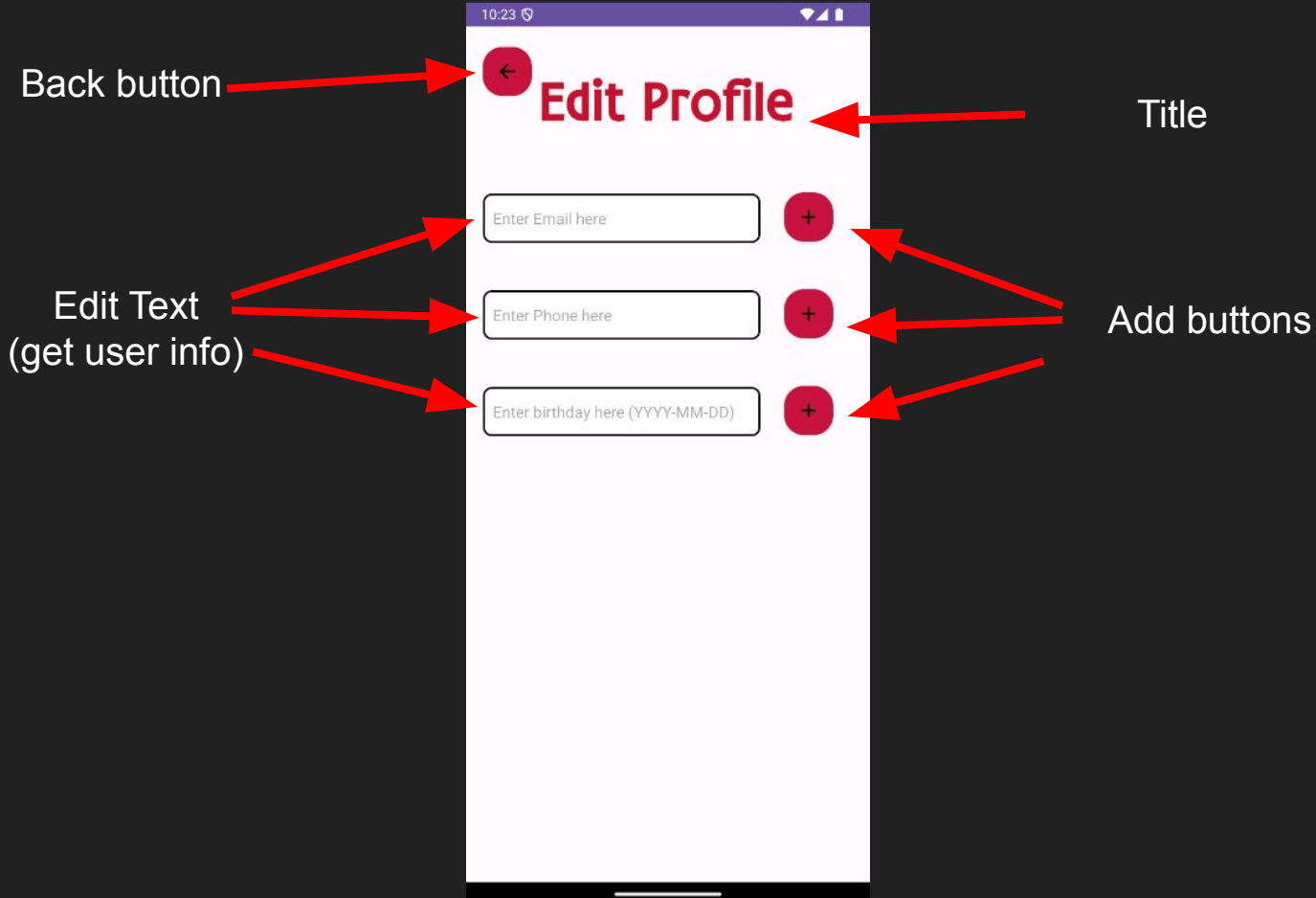


Title

More charts
button

Edit Profile Page

Author: Fadi



Thank you for reviewing our slides

Thank you for taking the time to review our slides. Your feedback and insights are greatly appreciated and will help us improve our project. We're grateful for your support! Cynance is the future. And you are now apart of something great.

-The Cynance Team

