TECHNICAL ASSESSMENT

ROLE: Senior Flutter Developer

TIMELINE

Deadline: 1 week from receipt date.

REPOSITORY

GitHub, please don't include any of the following words in any part of the repository (Edenred, C3) as it will be flagged by our security tools.

OBJECTIVE

Read and comprehend the following user story and to build a production ready Flutter app that implements the specified functionality. Your task involves creating a production ready frontend solution for the Edenred application, enabling users to efficiently manage their top-up beneficiaries, explore available top-up options, and execute top-up transactions for their UAE phone numbers.

CONTEXT

At Edenred, we provide financial inclusion services for underbanked employees in the UAE where we provide each employee with a card that they receive their salary on and a mobile application where they can see their balance and enjoy value added services.

User Story

As a user of the Edenred mobile application, I want to top up my UAE phone numbers with credit so I can make local phone calls.

Acceptance Criteria

- The user can add a maximum of 5 active top-up beneficiaries.
- Each top-up beneficiary must have a nickname with a maximum length of 20 characters.
- The user should be able to view available top-up beneficiaries.
- The user should be able to view available top-up options (AED 5, AED 10, AED 20, AED 30, AED 50, AED 75, AED 100).
- If a user is not verified, they can top up a maximum of AED 1,000 per calendar month per beneficiary for security reasons.
- If a user is verified, they can top up a maximum of AED 500 per calendar month per beneficiary.
- The user can top up multiple beneficiaries but is limited to a total of AED 3,000 per month for all beneficiaries.
- A charge of AED 1 should be applied for every top-up transaction.
- The user can only top up with an amount equal to or less than their balance.
- The user's balance should be debited first before the top-up transaction is attempted.
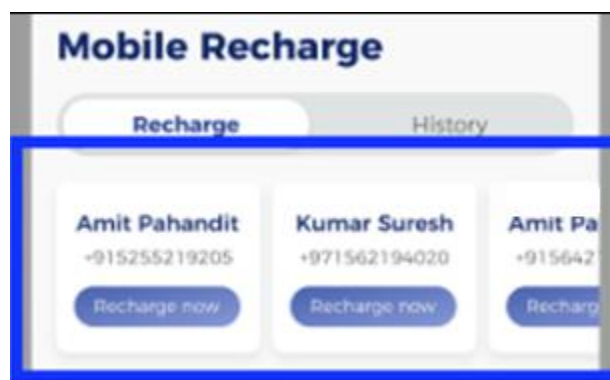
UI Requirement

Below UI requirement is mandatory, Rest of the app UI can be designed as you prefer.

The user needs to see their existing beneficiaries in a horizontal list view with cards.

- User will be able to swipe left and right in the control to navigate through all beneficiaries.
- Each beneficiary card will consist of the nick name, phone number and a CTA to navigate the user to the top up screen.
- User is expected to see the first two cards in full and at least 20% of the 3rd card. Minimum 20% of the 3rd card should be visible in all screen sizes,

Please refer to the blue area in the below image for better understanding of the required design.

Additional Notes

- The user's verification status is assumed to be handled through a separate feature that is not within the scope of this user story, you can assume the verification flag is one of the properties of the user entity.
- The backend will be an HTTP service which will be responsible for providing real-time data of the user, you can mock the http client for this service.
- The method of persistence for mobile app data is flexible and will not be assessed.