PRIMERA MICROFINANCE BANK – FLUTTER MOBILE DEVELOPER TEST

INSTRUTCTION:

Total time for the assessment is 2 hours 10 minutes
This assessment has two sections namely; A and B.

Section A is objective and it takes 10 minutes, read the question carefully to pick a correct answer.

Section B is a practical assessment and it takes 2 hours.

If you completed the assessment before the time elapse, you can proceed to submit.

HOW TO ATTEMPT ASSESSMENT:

1. Create an account on GitHub, if you don't have one.
2. Fork the project repository using the URL below:
3. On your forked copy creates a TEST_ANSWER.md file containing answers to SECTION A.
4. Also commit your changes and push
5. For Section B, setup a flutter project on your forked copy in a folder titled **app**
6. Commit and push your changes to the repo
7. Provided a link to the public repo of your forked copy for review.
8. Add your applicant email and full name to the Readme.md file

HOW TO SUBMIT SECTION B:

1. Send an official email to careers@primerabank.com copying fintech@primerabank.com

Section A

1. You have a raised button in the user interface of your app. When the user taps on the button, you want to print "Contact Us" in the debug console.

   Which code will you use?
   (10 POINTS)

```
RaisedButton(
  child: Text('Contact us'),
  onPressed: () => print('Contact us')
),
```

```
RaisedButton(
  child: Text('Contact us'),
  onPressed: print('Contact us')
),
```

```
RaisedButton(
  child: Text('Contact us'),
  onPressed: {print('Contact us')}
),
```

```
RaisedButton(
  child: Text('Contact us'),
  onPressed: () => return 'Contact us';
),
```

Each option is A, B, C, and D respectively

2. In your app you have two screens. From the first screen, you want to show a second screen, the user must be able to go back to the first screen. From the second screen, the user must be able to show a second screen. From the second screen, the user must be able to go back to the first screen, and this result must be obtained without implementing any navigation code.

Which method of a navigator object would you use to navigate from the first screen to the second screen?
(10 POINTS)

SELECT ONLY ONE

○ `push()`

○ `pop()`

○ `pushReplacement()`

○ `popAndPushNamed()`

Each option is A, B, C, and D respectively

3. Consider the following code snippet, where "url" is a string containing the URL of a web service that returns JSON data.

```
var myResult = await http.get(url);
```

Which data type is **myResult after executing the code?**
(10 POINTS)

SELECT ONLY ONE

○   `Response`

○   `String`

○   `Future`

○   `JSON`

Each option is A, B, C, and D respectively

4. Which of the following function declaration is not correct?
    (10 POINTS)

    ◯   `String getName() async {}`

    ◯   `void getName() async {}`

    ◯   `Future getName() async {}`

    ◯   `Future<String> getName() async {}`

Each option is A, B, C, and D respectively

5. Which of the following flutter state management you're familiar with? (BONUS QUESTION)
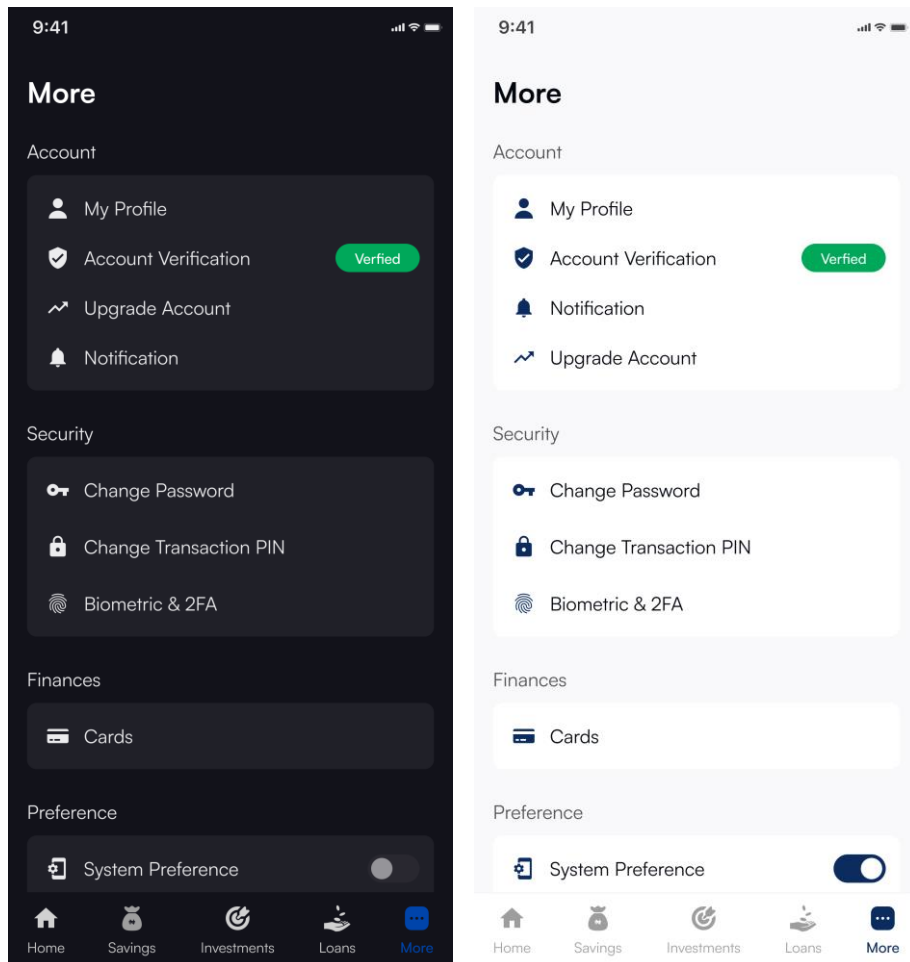   (10 POINTS)

   a. Bloc or Rx
   b. Provider
   c. Riverpod
   d. GetX
   e. setState
   f. Redux
   g. MobX

Section B

This assessment takes maximum of 2 hours for completion. Simply pay attention to the instruction detail.

TASK:
Implement the attached page design using flutter.

AREAS WE ARE LOOKING OUT FOR

- Code structuring
- Reusable widget
- Implement app theming (Dark & Light Mode) on the Preference

NOTE:

- The menu items do not need to navigate to any page.
- Update pushed to the GitHub repository after the assessment time elapse will make you to be disqualified.
- Do not implement page navigation for the **More menu** except for the bottom navbar. Other pages can navigate to empty screen with the correct page title

while the screen to be design is the More menu screen as displayed in the screenshot above.
-   For icons use the flutter built-in material design icon set e.g., Icon(Icons.add). These icons might not fit in to what is in the design but the focus is for you to achieve the basic requirement.