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**Technical Test – Solution Analyst – Bank Mandiri**

1. Buatlah high level design architecture atas project mobile apps ini

A screenshot of a computer

AI-generated content may be incorrect.**Answer :**

1. Spesifikasikan design Screen Flow dan ERD atas rancangan yang ingin anda buat.

**Answer :**

**Screen Flow**

A diagram of a company

AI-generated content may be incorrect.

**ERD**

A screenshot of a computer

AI-generated content may be incorrect.

1. Buatlah detail design untuk API dengan menggunakan tools design seperti UML, ERD,flowchart etc.

**Answer :**

**Flowchart API**

A diagram of a flowchart

AI-generated content may be incorrect.

**Class Diagram API**

A screenshot of a computer screen

AI-generated content may be incorrect.

1. Buatlah detail design untuk screen behavior dari mobile apps berdasarkan screen flow diatas

**Answer :**

1. **Splash Screen**

* **UI Elements**
* Logo aplikasi
* Tagline aplikasi
* **Behavior**
* Auto loading.
* Sistem cek session login.
* **Transition**
* Jika **belum login** → ke **Login Screen**.
* Jika **sudah login** → ke **Homepage Screen**.

1. **Have Account? (Decision)**

* **UI Elements**
* Dialog: "Do you have any account?"
* Button: **Login** and **Register**
* **Behavior**
* Jika klik button **Login** → Redirect ke **Login Screen**
* Jika klik button **Register** → Redirect ke **Registration Screen**

1. **Login Screen**

* **UI Elements**
* Input Field 1: Email/No HP
* Input Field 2 : Password
* Button: **Login**
* Link: "Forgot Password?"
* **Behavior**
* Validasi form semua input field wajib diisi
* Jika semua input field telah diisi, **button Login** aktif.
* Jika credential login salah → tampilkan notifikasi error.
* Jika credential login benar → redirect ke **Homepage Screen**.

1. **Registration Screen**

* **UI Elements**
* Input Field 1 : Nama Lengkap
* Input Field 2 : Email/No HP
* Input Field 3 : Password
* Input Field 4 : Konfirmasi Password
* Button: **Register**
* **Behavior**
* Validasi form semua input field wajib diisi
* Jika semua input field telah diisi, **button Register** aktif.
* Validasi pasword & password confirmation match.
* Jika sukses melakukan register → tampil notifikasi sukses dan redirect ke **Login Screen**.

1. **Homepage Screen**

* **UI Elements**
* Main Menu (button icon/card):
  + **Loan Status & History**
  + **Loan Application**
  + **Payment**
  + **Profile & Settings**
* **Behavior**
* Klik menu sesuai button icon/card → redirect ke screen sesuai dengan button menu yang diklik.

1. **Loan Status & History Screen**

* **UI Elements**
* List pinjaman filter by pinjaman aktif & pinjaman tidak aktif (history)
* Status pinjaman : Pending / Approved / Rejected.
* Button : **View Detail** per loan.
* **Behavior**
* Klik button **View** Detail loan → redirect ke tampilan detail loan.

1. **Loan Application Screen**

* **UI Elements**
* Loan Application Form dengan detail
* Input Field 1 : Jumlah Pinjaman
* Input Field 2 : Tenor (dropdown)
* Input Field 3 : Tujuan Pinjaman
* Upload Document
* Button : **Submit Loan**
* **Behavior**
* Validasi loan application form
* Klik button **Submit Loan**
* Jika sukses → redirect ke **Loan Application Result** screen

1. **Loan Application Result Screen**

* **UI Elements**
* Status pengajuan loan : Approved / Pending / Rejected.
* **Behavior**
* Jika **Approved** → system redirect ke decision **Approval Decision**.
* Jika **Rejected/Pending** → system redirect ke decision **Approval Decision**.

1. **Approval Decision (Backend processing)**

* **Behavior**
* Jika Approval bernilai YES → system kirim **Notification (Email/SMS)**.
* Jika Approval bernilai NO → system kirim **Notification (Email/SMS)**.

1. **Payment Screen**

* **UI Elements**
* List cicilan loan.
* Button: **Pay Loan**
* **Behavior**
* Klik button **Pay Loan** → redirect ke screen **Bill and Payment Form**.

1. **Bill and Payment Form Screen**

* **UI Elements**
* Detail tagihan.
* Input Field : Jumlah bayar (auto filled).
* Option pilih metode pembayaran (Bank Transfer, VA, E-Wallet).
* Button : **Continue**
* **Behavior**
* Klik button **Continue** → redirect ke **Payment Confirmation Screen**.

1. **Payment Confirmation Screen**

* **UI Elements**
* Summary pembayaran tagihan
* Button : **Confirm Payment**
* **Behavior**
* Klik button **Confirm Payment** → hit service 3rd party payment → redirect ke **Payment Notification Screen**.

1. **Payment Notification Screen**

* **UI Elements**
* Status pembayaran: Success / Failed.
* Button : **Back to Homepage**
* **Behavior**
* Klik button **Back to Homepage** → redirect ke **Homepage Screen**.

1. **Profile & Settings Screen**

* **UI Elements**
* Sub Menu: Edit Profile, Change Password, Logout.
* **Behavior**
* Jika pilih Edit Profile → redirect ke halaman **form Edit Profile**
* Jika pilih Change Password → redirect ke halaman **form Change Password**
* Jika pilih Logout → clear session login → redirect ke **Login Screen**.