**Project Pipeline Description. Decsion & Rationale : Registration Form UI/UX Design**

**1. Project Overview**

* **Objective**:

**Registration Form :** Onboarding new telecom customers, creating user accounts, enabling service access

* **Scope** : It consists of the Sign-up process for its customers.

**Sign-up Flow:**

User has to select sign up in the landing page to initiate the registration process. Then Enter Full Name, Email Address, Phone Number and selecting emirates in the dropdown list with accepting Terms and conditions to complete the registration process in a step by step approach.

**2. User Research & Requirements**

* **Target Users**:

Personas : Adult users and users with disabilities.

* **User Needs**: Fast onboarding, clear instructions, accessibility

(keyboard navigation, touch screen support).

* **Business Requirements**: Must capture phone, email, state of the UAE.
* **Accessibility Standards**: WCAG 4.5 compliance. (accessibility for disabled users as well)

**4. Wireframes / Low-Fidelity Mockups**

* Wire frames has been attached.

**5. UI Design System**

* **Color Palette**:

Primary 1(#03656F), accessible contrast options.

Primary 2 (#333333)

* **Typography**: Andika Bold for Title and Headings and Regular for body text.
* **Shapes & Components**: 15px radius on corners of textboxes and dropdown, rounded buttons, Red color used in error indicators
* **Icons & Labels**: For better navigation and accessibility cues.

**Interaction Model**

* **Navigation pattern:** Next **Why:** Prevents context switching.
* **Progress feedback:** Steps. **Why:** Sets expectations.
* **Keyboard support:** Full tab order, visible focus. **Why:** A11y & power users.
* **Touch targets:** ≥ 44×44. **Why:** Mobile ergonomics. Keyboard icon for disabled users.

**Validation Strategy**

* **When:** Inline on alert; Enabling Next button only after validating the input values
* **How:** Pattern checks (email/phone)
* **Why:** Reduce error loops; immediate, actionable feedback with close button on textbox.
* **Error messaging style:** Plain language, specific fix.
* **Internationalization:** Phone mask by country code.

**Accessibility (WCAG 2.1 AA mapping)**

|  |  |  |
| --- | --- | --- |
| **WCAG Criterion** | **What it means for us** | **Design/System mapping** |
| Contrast (AA) | Text contrast ≥ 4.5:1 (normal), ≥ 3:1 (large | Primary text on background passes; |
| Keyboard | All functionality keyboard accessible | Designed in a way of tab order |
| Error Identification | Errors are described to users | Inline error below field + icon |
| Labels or Placeholder | Provide interactive label with clear placeholders | helper text; no placeholder‑only |

**6. User Flow & Interaction Design**

* Flow diagram of registration process:
  1. Landing (Sign Up button)
  2. Fill in fields (keyboard + touchscreen interactions)
  3. Error handling (invalid input fields like email and phone number)
  4. Progress indicator (steps for the registration process or progress bar on the banner design represents auto slide)
  5. Completion (confirmation message + next step CTA)
* Accessibility considerations: Tab order, voice-over support.

**7. High-Fidelity Screens (UI Mockups)**

* Final visual designs (with colors, logos).
* Show **desktop + 4K UHD Screens**
* Interactive prototype as Figma file.

8. **Design Principles (for this project)**

* **Clarity over density** — fewer fields per step.
* **Progressive disclosure** — ask only when needed.
* **Accessible by default** — WCAG 2.1 AA.
* **Trust & privacy** — explain why each field is needed

**9**. **Decision Log (ADR — Architecture/Design Records)**

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| --- | --- | --- | --- | --- | --- |
| **Decision** | **Alternative consideration** | **Criteria** | **Rationale(why)** | **Evidence** | **Impact**  **(user/Tech)** |
| Multi‑step wizard | Single page, modal | Completion rate, cognitive load | Break into 4 steps to reduce abandonment | Industry benchmarks | +Clarity, +4K UHD Sreens, usability and accessibility |
| Green Color theme | Blue color | Accessibility for all kind of users | Green represents speed and powerful | Better people with color blind deficiency |  |
| Wasil – Company name | HalaTel | Telecom Company | It should be in a single word to pronounce with Arabic word as it based on Emirates. Meaning of wasil is CONNECTOR | Based on the research and studies |  |
| Navigation Menu | Home page link | Settings for accessibility | User could adjust font size, color theme and enable audio to read the page | Based on the research and studies |  |
| Banners | Top Banner | People happily using the service | It placed on the right side with auto slide with progress bar. | Industry benchmarks and prior studies |  |
| Inline validation | On submit | Clarity, performance | Immediate | Industry benchmarks and prior studies |  |
| state selector = searchable dropdown + auto‑detec | Plain dropdown, free text | Speed, error rate, | Preselect and search reduces scroll | prior studies |  |

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technical specification