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| Njaz.org |
| Design |
| Arabic Psychometrics and Surveys Application |

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Design Document

# 1. Introduction

## Overview

The Arabic Psychometrics and Surveys Application aims to provide researchers with tools to create and manage psychometric tests and surveys. This document outlines the UI/UX design to ensure a consistent and user-friendly experience.

## Purpose

This document serves as a guide for the development team to implement the design accurately and for stakeholders to understand the design decisions.

## Scope

The document covers the design of the application for web, iOS, and Android platforms.

# 2. User Personas

## Personas

**Researcher Persona**:

**Name**: Dr. Ahmed

**Role**: University Professor

**Goals**: Create and distribute surveys to students, analyze survey results for research.

**Frustrations**: Complex survey tools, time-consuming data analysis.

**Interactions**: Frequently creates surveys, analyzes data, manages user responses.

**Participant Persona**:

**Name:** Sarah

**Role:** Student

**Goals:** Participate in surveys easily, understand how to answer questions correctly.

**Frustrations:** Complicated survey interfaces, unclear questions.

**Interactions**: Completes surveys, provides feedback.

**Admin Persona:**

**Name**: John

**Role**: System Administrator

**Goals**: Ensure smooth operation of the application, handle user issues.

**Frustrations**: Lack of monitoring tools, high volume of support requests.

**Interactions**: Manages user accounts, oversees system performance, resolves issues.

# 3. Wireframes

## Use Case 1: User Registration and Login

**Low-Fidelity Wireframes**

* **Registration Page**:
  + Layout: Input fields for name, email, password, and register button.
  + Components: Basic placeholders to represent the Amplify/Cognito components.

A screen shot of a computer

Description automatically generated

* **Login Page**:
  + Layout: Input fields for email, password, and login button.
  + Components: Basic placeholders to represent the Amplify/Cognito components.

A screenshot of a computer screen

Description automatically generated

* **Password Reset Page**:
  + Layout: Input field for email and reset button.
  + Components: Basic placeholders to represent the Amplify/Cognito components.

A screenshot of a computer screen

Description automatically generated

* **Email Verification Page**:
  + Layout: Message and resend verification button.
  + Components: Basic placeholders to represent the Amplify/Cognito components.

A black screen with white text

Description automatically generated

**High-Fidelity Wireframes**

* **Registration Page**:
  + Design: Incorporate color scheme, typography, and input validation messages.
  + Components: Replace placeholders with Amplify/Cognito components.

A screen shot of a computer screen

Description automatically generated

* **Login Page**:
  + Design: Incorporate color scheme, typography, and error messages for incorrect credentials.
  + Components: Replace placeholders with Amplify/Cognito components.

A screenshot of a computer screen

Description automatically generated

* **Password Reset Page**:
  + Design: Incorporate color scheme, typography, and confirmation message.
  + Components: Replace placeholders with Amplify/Cognito components.

A screen shot of a computer screen

Description automatically generated

* **Email Verification Page**:
  + Design: Incorporate color scheme, typography, and button styling.
  + Components: Replace placeholders with Amplify/Cognito components.

A screen shot of a computer error

Description automatically generated

## Use Case 2: Create Psychometric Test

**Low-Fidelity Wireframes**

* **Psychometric Test Creation Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with input fields for test name, description, question types, and save button.

**High-Fidelity Wireframes**

* **Psychometric Test Creation Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and error messages for missing fields.

## Use Case 3: Create Survey

**Low-Fidelity Wireframes**

* **Survey Creation Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with options to select psychometric tests, input fields for survey settings, and save button.

**High-Fidelity Wireframes**

* **Survey Creation Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and error messages for missing fields.

## Use Case 4: Publish and Share Survey

**Low-Fidelity Wireframes**

* **Survey Management Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with list of surveys, options to publish, edit, or delete.
* **Publish Survey Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with publishing settings and shareable link generation.

**High-Fidelity Wireframes**

* **Survey Management Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and action buttons.
* **Publish Survey Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and sharing options.

## Use Case 5: Participate in Survey

**Low-Fidelity Wireframes**

* **Participant Survey Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with survey questions and submit button.

**High-Fidelity Wireframes**

* **Participant Survey Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and input validation.

## Use Case 6: Analyze Survey Results

**Low-Fidelity Wireframes**

* **Survey Analysis Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with options to view survey responses and basic statistics.

**High-Fidelity Wireframes**

* **Survey Analysis Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and advanced statistical tools.

## Use Case 7: Process Payment

**Low-Fidelity Wireframes**

* **Payment Page**:
  + [Insert low-fidelity wireframe image]
  + Basic layout with options to select subscription plan, input fields for payment details, and confirm button.

**High-Fidelity Wireframes**

* **Payment Page**:
  + [Insert high-fidelity wireframe image]
  + Detailed design with color scheme, typography, and error messages for failed payments.

# 4. UI Designs

## High-Fidelity UI Designs

* User Registration and Login: [Insert images]
* Dashboard: [Insert images]

## Design Components

* Buttons: [Insert images]
* Input Fields: [Insert images]

## Color Scheme

* Primary Colors: #FF5733, #33FF57
* Secondary Colors: #3357FF, #FF33A1

## Typography

* Headers: Helvetica Neue, 24px, Bold
* Body Text: Arial, 16px, Regular

## Icons and Imagery

* Icons: [Insert images]
* Imagery: [Insert images]

# 5. Prototypes

## Interactive Prototypes

* User Registration and Login: [Prototype link]
* Dashboard: [Prototype link]

# 6. User Flows

## Flow Diagrams

* User Registration and Login: [Insert flow diagrams]
* Dashboard Navigation: [Insert flow diagrams]

# 7. Design Specifications

## Color Codes

* Primary Button: #FF5733
* Secondary Button: #33FF57

## Font Styles

* Headers: Helvetica Neue, 24px, Bold
* Body Text: Arial, 16px, Regular

## Component Sizes

* Buttons: 150px x 50px
* Input Fields: 300px x 40px

# 8. Interaction Guidelines

## Animations and Transitions

* Button Hover: Change color to #FF33A1 in 0.3s
* Modal Appear: Fade in from 0 to 100% opacity in 0.5s

## Interaction Patterns

* Form Validation: Inline validation with error messages below fields

# 9. Accessibility

## Accessibility Guidelines

* Use ARIA labels for screen readers
* Ensure all interactive elements are focusable

## Color Contrast Ratios

* Text to background contrast ratio: 4.5:1

## Keyboard Navigation

* All functionalities accessible via keyboard (tab, enter, space)

# 10. Responsive Design

## Breakpoints

* Mobile: 0-600px
* Tablet: 601-1024px
* Desktop: 1025px and above

## Layout Adjustments

* Mobile: Single-column layout
* Tablet: Two-column layout
* Desktop: Three-column layout

# 11. Design Tokens

## Design Tokens

* Primary Color: --color-primary: #FF5733;
* Secondary Color: --color-secondary: #33FF57;
* Font Family: --font-family: 'Helvetica Neue', sans-serif;

# 12. Style Guide

## Component Library

* Button: [Insert details]
* Input Field: [Insert details]

## Design System

* Overview: [Insert design system details]
* Creating New Components: [Insert guidelines]

# 13. Assets

## Images and Icons

* Icons: [Insert links to icons]
* Images: [Insert links to images]

## Downloadable Resources

* Design Assets: [Insert links to downloadable assets]

# 14. Appendices

## References

* Design resources and references

## Glossary

* Glossary of terms used in the document