1. Qn-1

Question 1: Design Principles for a Community Center in a Desert Environment

1. **Natural Flow:**
   - Use natural pathways to direct movement within the space. Incorporate wind corridors for ventilation.
   - Design the layout to facilitate easy navigation and community interaction.

2. **Sunlight Observation:**
   - Incorporate shaded areas using canopies or pergolas to block intense sunlight.
   - Position windows and skylights to maximize indirect sunlight while minimizing heat.

3. **Light and Shadow Interplay:**
   - Use textured walls or geometric designs to create dynamic shadows that shift throughout the day.
   - Integrate reflective materials to diffuse light effectively in the interiors.

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2. Qn-2

Question 2: Inclusive Design Dimensions

Identify A, B, and C:

1. **A: Adjustability**
   - Features: Adjust watch size and color schemes; provide options for multiple languages.

2. **B: Universality**
   - Features: Recognize diversity of brands; form fields are properly labeled.

3. **C: Uniqueness**
   - Features: Inclusive processes and tools; ensure diversity in design.

↓

3. Qn-3

Question 3: InVision Features for E-Commerce Prototype

1. **Interactive Prototypes:**
   - Link screens to simulate the user journey, such as swiping images, adding to the cart, and checkout.

2. **Hover Effects and Button States:**
   - Add hover states to show responsiveness, ensuring buttons behave consistently.

3. **Animations:**
   - Create animations for transitions between screens, improving flow.

4. **Feedback Tools:**
   - Use InVision's built-in comment feature to gather feedback from stakeholders.

5. **Reusable Symbols:**
   - Save components like navigation bars and buttons as symbols for consistency.

↓

4. Qn-4

Question 4: Challenges in Designing Corporate Finance App

1. **Security Measures:**
   - Challenge: Ensuring robust encryption and secure login mechanisms while keeping the app user-friendly.

2. **Accessibility for Diverse Users:**
   - Challenge: Providing a UI that accommodates users with varying technical proficiency and physical abilities.

3. **Data Visualization:**
   - Challenge: Presenting complex financial data clearly without overwhelming the user.

5. Qn-5 and Qn-6

Question 5: Redesigning Fitness App for Low-Fidelity and Medium-Fidelity

1. **Low-Fidelity Model:**

   - Use basic wireframes with placeholders for content and simple lines for navigation.

   - Focus on structure, user flow, and basic navigation without detailed visuals.

2. **Medium-Fidelity Model:**

   - Add grayscale visuals with better typography and spacing.

   - Include placeholders for buttons, labels, and navigation menus, ensuring functionality.

Question 6: Missing Steps to Build Mock-ups in UI/UX Design

Step 3: Create low-fidelity wireframes to outline the structure and navigation flow.

Step 4: Validate wireframes through user testing to refine navigation and user flow.

Step 6: Test interactive prototypes with users to gather feedback on functionality and usability.

↓

① A → CTA (Call to action) button
  B → Card or Summary Tile
  c → Range slider
  d → Search field
  e → Confirmation Dialog
  f → contextual help bubble.

②

③ (9) Carousel

Justification: A carousel is the most effective UI element for displaying high quality images

④ 1) Authentic Imagery / Real World photography.
  2) Complementary Colar Scheme
  3) Graphical visual Style
  4) Mixed Media Design.

(5) (i) A: The left side -> Realistic photo represents authentic image

B: the Right side -> illustration represents graphic design

(ii) prediction: B (illustration) is most Effective for an ecommerce tea brand

(iii)

(6) Job Application form:-

full Name : [TEXT Field]

Email Address : [Text Field]

Contact Number : [Text Field]

Skills (select multiple): [] Java [] python [] c++ []

Preferred Job Role: [Dropdown Menu]
(Software developer, Data scientist)

Location : [Text field]

Submit : [Text field]

(7) (i) Explicit vs Amplicit button

(ii) Toggle Switch for Subscription feature

(iii) Emoji based Rating System:

(3) (a)

~~Justification~~:

(b) Pretest Questions :

1, 4

Core Text :

2

~~Present~~ Test 3, 5, 6

(5) (a) (i) use visual ~~face~~ cues

(ii) provided Real time validation

(iii) Group and label

(b) (i) prioritize button design

(ii) clear . labeling

(iii) Spacing and hierarchy

(6) a) (i) Improve visibility of payment methods

(ii) use clear labels and icons

(iii) highlight the default payment method

b) (i) ~~simply~~ simplify the forms

(ii) use autofill options

(iii) Minimized required fields.