User Interface Technical Specifications for the "Social IQ" Project

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1. Introduction

The "Social IQ" project is a web-based platform designed to enhance individuals' emotional and social intelligence using artificial intelligence (AI). It offers interactive scenarios such as negotiations, conflict resolution, social gatherings, and interviews, allowing users to practice and improve their social skills in a realistic virtual environment. This document provides detailed UI specifications for each screen, including full descriptions and transcripts for the scenarios, to guide UI/UX designers in creating an intuitive and engaging platform.

2. Design Principles

- • Responsive Design: The UI adapts seamlessly to various screen sizes, from desktops to tablets and mobile devices.

- • Consistency: A uniform visual language is maintained across all pages, including fonts, colors, and button styles.

- • Simplicity: The layout is clean and uncluttered, focusing on essential elements to avoid overwhelming the user.

- • Intuitiveness: Navigation and interactions are straightforward, making it easy for users to find what they need.

- • Accessibility: Compliance with Web Content Accessibility Guidelines (WCAG) 2.1 ensures usability for all users.

- • Engagement: Interactive elements and engaging content keep users motivated and interested.

3. User Flow Overview

1. User Visits Website

2. Landing Page

3. Login/Signup Page

• New users: Signup process

• Returning users: Login

4. Onboarding/Tutorial Pages (First-time users)

5. Main Dashboard/Home Page

6. Scenario Selection Page

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8. Real-Time Interaction Page

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4. Scenario Descriptions

4.1. Negotiations

Description:

In the "Negotiations" scenario, users engage in simulated negotiation exercises that mirror real-life business or personal negotiation situations. The scenario aims to improve users' ability to persuade, collaborate, and reach mutually beneficial agreements. Users interact

with a virtual agent representing another party in the negotiation, practicing techniques such as active listening, compromise, and assertiveness.

Objectives:

- Develop effective persuasion strategies.
- Enhance active listening skills.
- Practice finding common ground and mutually acceptable solutions.
- Build confidence in negotiating under pressure.

4.2. Conflict Resolution

Description:

The "Conflict Resolution" scenario places users in situations where they must navigate interpersonal conflicts, whether in a workplace, social setting, or personal relationship. The scenario helps users learn how to de-escalate tensions, understand differing perspectives, and facilitate resolutions that are acceptable to all parties involved.

Objectives:

- Improve empathy and understanding of others' viewpoints.
- Learn techniques for de-escalating heated situations.
- Practice effective communication under stress.
- Develop problem-solving skills to find amicable solutions.

4.3. Social Gatherings

Description:

In the "Social Gatherings" scenario, users participate in virtual events such as parties, networking events, or casual get-togethers. The scenario focuses on helping users initiate conversations, maintain engaging dialogues, and build meaningful relationships. Users interact with multiple virtual agents, each with unique personalities and backgrounds.

Objectives:

- Enhance small talk and conversational skills.

- Build networking abilities for professional or social contexts.

- Understand and use non-verbal communication cues effectively.

- Increase cultural sensitivity and adaptability in diverse settings.

4.4. Interviews

Description:

The "Interviews" scenario simulates job interviews for various positions and industries. Users practice responding to common and challenging interview questions, receive feedback on their answers, body language, and overall presentation. The scenario aims to boost users' confidence and improve their professional communication skills.

Objectives:

- Practice answering a wide range of interview questions.

- Improve self-presentation and professional demeanor.

- Receive feedback on verbal and non-verbal communication.

- Learn to articulate skills and experiences effectively.

4.5. Full Transcripts for Scenarios

Note: The full transcripts for each scenario are provided in the respective scenario detail sections under "Screen Specifications."

5. Screen Specifications

5.1. Landing Page

Purpose: The initial page introduces visitors to the "Social IQ" platform and encourages them to sign up or log in.

Elements:

Header:

- Logo: Top-left corner, linking back to the landing page.

- Navigation Menu: Links to "Home," "About Us," "Features," "Contact," and "Help."

- Login/Signup Buttons: Top-right corner.

Hero Section:

- Background Image/Video: An engaging visual showing diverse people interacting positively.

- Headline: "Enhance Your Social Intelligence with AI."

- Subheadline: "Interactive scenarios to boost your emotional and social skills."

- Call-to-Action (CTA) Button: "Get Started Now."

Features Section:

- Feature 1: AI-Powered Feedback

- Icon: A brain with circuits.

- Description: "Receive real-time, personalized feedback to improve your social interactions."

- Feature 2: Real-Life Scenarios

- Icon: Two people shaking hands.

- Description: "Practice in realistic simulations of negotiations, interviews, and more."

- Feature 3: Personalized Learning

- Icon: A person ascending steps.

- Description: "Set your goals and track your progress over time."

Footer:

- Links: "Privacy Policy," "Terms of Service," "Contact Us."

- Social Media Icons: Links to Facebook, Twitter, LinkedIn, Instagram.

Interactions:

- CTA Button: Navigates to Login/Signup Page.

- Navigation Links: Redirect to respective pages or sections.

- Scroll Animations: Smooth scrolling when navigating through sections.

5.2. Login/Signup Page

Purpose: Allows users to log in to their existing accounts or create new ones.

Elements:

Page Header:

• Logo: Links back to the Landing Page.

Login Form:

• Title: "Welcome Back!"

• Email Field: Placeholder "Email Address."

• Password Field: Placeholder "Password."

• "Forgot Password?" Link: Below password field.

• "Login" Button: Primary action, labeled "Log In."

• "Don't have an account? Sign Up" Link: Below the button.

Signup Form:

• Title: "Join Social IQ Today!"

• Name Field: Placeholder "Full Name."

• Email Field

• Password Field

• Confirm Password Field

• "Sign Up" Button

• "Already have an account? Log In" Link

• Social Login Options:

• Divider: "OR"

• Buttons: "Continue with Google," "Continue with Facebook," "Continue with LinkedIn."

Interactions:

  • Form Validation: Immediate feedback on input errors (e.g., "Please enter a valid email address").

  • Forgot Password: Navigates to Password Recovery Page.

  • Toggle Between Login/Signup: Tabs or buttons to switch forms.

  • Social Login Buttons: Initiate OAuth flows.

5.3. Onboarding/Tutorial Pages

Purpose: Introduce new users to the platform's features and obtain necessary permissions.

Pages:

Page 1: Welcome

  • Title: "Welcome to Social IQ!"

  • Description: "We're excited to help you enhance your social and emotional intelligence. Let's take a quick tour to get you started."

  • Illustration/Image: Friendly graphic of people interacting.

  • "Next" Button

Page 2: Interactive Scenarios

  • Title: "Practice Real-Life Situations"

  • Description: "Engage in realistic scenarios like negotiations, interviews, and social events to practice and improve your skills."

- Illustration: Image depicting virtual interaction.

- "Next" Button

Page 3: Personalized Feedback

- Title: "Get AI-Powered Feedback"

- Description: "Receive detailed feedback on your verbal and non-verbal communication to help you grow."

- Illustration: Graphic showing analytics and progress charts.

- "Next" Button

Page 4: Privacy and Permissions

Title: "We Respect Your Privacy"

- Description: "Your data is secure with us. We need access to your camera and microphone to analyze your interactions. We will not share your data without your consent."

Checkboxes:

- "I agree to the Terms and Conditions."

- "I consent to data processing as described."

- "Continue" Button

Page 5: Ready to Start

- Title: "You're All Set!"

- Description: "Let's begin your journey towards better social interactions."

- "Go to Dashboard" Button

Interactions:

- Navigation Buttons: "Next," "Back."

- Consent Checkboxes: Must be checked before proceeding.

- Progress Indicator: Visual steps showing onboarding progress.

5.4. Main Dashboard/Home Page

Purpose: Central hub where users access features and view an overview of their progress.

Elements:

Header:

- Logo: Top-left, links back to the dashboard.

- Main Navigation Menu: "Dashboard," "Scenarios," "Progress," "Profile," "Help."

- User Avatar/Profile Picture: Top-right, with dropdown for quick actions (Profile, Settings, Logout).

- Notifications Icon: Bell symbol with badge count.

Main Content Area:

- Welcome Message: "Welcome back, [User's Name]!"

- Progress Snapshot:

- Visual Metrics: A circular progress bar showing overall skill improvement percentage.

- Stats:

- "Sessions Completed: 5"

- "Skills Improved: 3"

- "Current Streak: 4 days"

  - Suggested Scenarios:

- Carousel of Scenario Cards:

- Card 1: "Mastering Job Interviews"

- Card 2: "Handling Difficult Conversations"

- Card 3: "Effective Networking"

  - Quick Actions:

- "Resume Last Session" Button

- "Explore New Scenarios" Button

Footer:

- Links: "About Us," "Contact," "Privacy Policy."

- Social Media Icons

Interactions:

- Navigation Menu: Direct access to different sections.

- Scenario Cards: Clicking opens Scenario Detail Page.

- Notifications Icon: Opens Notifications Page.

- User Avatar Dropdown: Access to Profile, Settings, Logout.

5.5. Scenario Selection Page

Purpose: Allows users to browse and select scenarios to practice.

Elements:

- Breadcrumb Navigation: "Dashboard > Scenarios"

Page Header:

- Title: "Choose a Scenario to Practice"

Filters Section:

- Search Bar: Placeholder "Search for scenarios…"

- Category Filters: Tabs for "All," "Negotiations," "Conflict Resolution," "Social Gatherings," "Interviews."

- Difficulty Level Options: Radio buttons for "Beginner," "Intermediate," "Advanced."

- Duration Filter: Checkboxes for "Short (<10 mins)," "Medium (10-20 mins)," "Long (>20 mins)."

Scenario List/Grid:

- Scenario Cards:

- Thumbnail Image: Relevant to the scenario.

- Scenario Title: E.g., "Negotiating a Salary Increase."

- Brief Description: "Learn how to effectively negotiate your salary with confidence."

- Rating Indicator: Stars or numerical rating.

- "View Details" Button

- Pagination or Infinite Scroll

Interactions:

- Search Functionality: Filters scenarios based on keywords.

- Filter Options: Update scenario list dynamically when filters are applied.

- Scenario Cards: Clicking "View Details" navigates to Scenario Detail Page.

5.6. Scenario Detail Page

Purpose: Provides detailed information about a selected scenario.

Elements:

- Breadcrumb Navigation: "Dashboard > Scenarios > [Scenario Title]"

Header:

- Scenario Title: "Negotiating a Salary Increase"

- Back Button: Returns to Scenario Selection Page.

Main Content:

- Banner Image: Image of a professional handshake.

- Description:

"In this scenario, you will practice negotiating a salary increase with your manager. You'll learn how to present your case effectively, handle objections, and reach a mutually beneficial agreement."

- Objectives:

- "Understand key negotiation tactics."

- "Build confidence in discussing compensation."

- "Learn to handle counterarguments professionally."

- Estimated Duration: "Approximately 15 minutes."

- Difficulty Level: "Intermediate."

- User Reviews/Testimonials:

- Review 1: "This scenario really helped me prepare for my annual review. Highly recommend!"

- Review 2: "Great practice for real-life salary discussions."

- Action Buttons:

- "Start Scenario" Button: Prominent CTA.

- "Add to Favorites" Icon/Button

- "Share Scenario" Button

Interactions:

- Start Scenario: Navigates to Real-Time Interaction Page.

- Add to Favorites: Saves scenario for quick access.

- Share Scenario: Opens sharing options (social media, email).

5.7. Real-Time Interaction Page

Purpose: The main interface where users engage in scenarios with AI-powered virtual agents.

Elements:

Header:
- Scenario Title: "Negotiating a Salary Increase"

- Progress Bar: Indicates scenario completion percentage.

- Timer: Shows elapsed time.

- Exit Button: Prompts confirmation before exiting.

Main Content Area:
- Virtual Agent Display:

- Video Feed: Avatar of the manager sitting behind a desk.

- Chat Window: Shows dialogue between user and agent.

- Speech Bubble: For agent's dialogue.

User Interaction Panel:

- Webcam Display: Shows user's video feed (small window).

- Microphone and Camera Controls: Mute/unmute, enable/disable.

- Text Input Field (optional): For typing responses if voice is not used.

- Submit Button: For text responses.

Real-Time Feedback Indicators:

- Tips Overlay: E.g., "Try to maintain eye contact," "Remember to highlight your achievements."

- Emotion Recognition Feedback: Icons indicating detected emotions like confidence or nervousness.

Side Panel:

- Scenario Outline: Steps or stages of the scenario.

- Notes Section: Users can jot down notes during the interaction.

Interactions:

- Voice Communication: User speaks; system processes input.

- Facial Expression Capture: Via webcam for real-time analysis.

- Text Input: If user prefers or scenario requires text responses.

- Exit Scenario: Prompts user to confirm exit.

Full Transcript for an example of the "Negotiating a Salary Increase" Scenario:

Agent (Manager): "Good morning, [User's Name]. I see you've scheduled a meeting to discuss something important. What would you like to talk about?"

User: "Good morning. I wanted to discuss my performance over the past year and the possibility of a salary increase."

Agent: "I appreciate your initiative. Can you elaborate on why you believe a salary increase is justified?"

User: "Certainly. Over the past year, I've taken on additional responsibilities, including leading the XYZ project, which resulted in a 15% increase in department efficiency. I've also mentored new team members, contributing to their quick onboarding."

Agent: "That's true; your contributions have been valuable. However, budget constraints are tight this year. How do you suggest we address that?"

User: "I understand the budget limitations. Perhaps we can explore a phased increase or additional benefits, like professional development opportunities, to compensate for my contributions."

Agent: "That's a reasonable suggestion. Let me review the options and get back to you. Is there anything else you'd like to add?"

User: "Thank you for considering my request. I believe investing in my growth will continue to benefit the team and the company."

Agent: "Agreed. I appreciate your professionalism in this discussion."

5.8. Feedback Page

Purpose: Provides detailed feedback after scenario completion.

Elements:

Header:

- "Your Session Feedback" Title

- Option to Download/Print Report

- Overall Performance Summary:

- Score/Rating: "You scored 85% on this scenario!"

- Summary Statement: "Great job presenting your case confidently and handling objections professionally."

Detailed Feedback Sections:

- Verbal Communication:

- Positives:

- "You articulated your achievements clearly."

- "Used professional language throughout the conversation."

- Areas for Improvement:

- "Consider providing more data to support your contributions."

- Examples:

- Positive Example: "I led the XYZ project, increasing efficiency by 15%."

- Improvement Suggestion: "Next time, mention specific numbers related to revenue impact."

- Non-Verbal Communication:

- Facial Expressions:

- "Maintained a confident demeanor."

- Body Language:

- "Sat upright, which conveyed professionalism."

- Eye Contact:

- "Maintained eye contact 80% of the time."

- Emotional Intelligence:

- Empathy Displayed:

- "Acknowledged the manager's concerns about the budget."

- Emotional Regulation:

- "Remained calm and composed throughout the discussion."

  - Scenario-Specific Feedback:

- Negotiation Techniques Used:

- "Offered alternative solutions like phased increase or additional benefits."

- Handling Objections:

- "Addressed budget concerns professionally."

  - Recommendations:

- Actionable Steps:

- "Next time, prepare additional data to strengthen your case."

- "Practice handling unexpected questions to improve adaptability."

  - Call to Action:

- "Practice Again" Button

- "Try a New Scenario" Button

- "Share Your Progress" Button

Interactions:

- Expandable Sections: Users can expand/collapse detailed feedback areas.

- Resource Links: Open in new tabs or modal windows.

- Action Buttons: Navigate to respective pages.

5.9. Progress Tracking/Analytics Page

Purpose: Enables users to monitor their development over time.

Elements:

- Breadcrumb Navigation: "Dashboard > Progress"

Page Header:

- Title: "Your Progress Over Time"

- Date Range Selector: Options like "Last Week," "Last Month," "Custom Range."

Visualizations:

- Line Chart: Displays overall performance trend over time.

- X-Axis: Dates

- Y-Axis: Performance Scores

- Bar Graphs: Show skill-specific improvements (e.g., "Negotiation," "Empathy," "Confidence").

- Radar Chart: Visual representation of competencies compared to previous sessions.

Achievements and Milestones:

- Badges:

- "First Scenario Completed"

- "Negotiation Novice"

- "Consistent Learner: 7-Day Streak"

- Streaks: "You have a 4-day learning streak!"

Session History Table:

- Columns:

- Date: "March 15, 2024"

- Scenario Name: "Conflict Resolution with a Colleague"

- Score/Rating: "78%"

- Duration: "12 minutes"

- Action Links: "View Feedback"

- Filters:

- Scenario Type: Dropdown to select specific scenarios.

- Skill Area: Checkboxes for "Communication," "Emotional Intelligence," etc.

- Score Range: Slider to select scores between 0-100%.

Interactions:

- Hover Over Charts: Display detailed data points.

- Click on Data Points: Navigate to specific session feedback.

- Filter Options: Update displayed data dynamically.

5.10. Profile and Settings Page

Purpose: Allows users to manage personal information and preferences.

Elements:

- Breadcrumb Navigation: "Dashboard > Profile"

Profile Section:

- Profile Picture: Upload/change image.

- Personal Information:

- Name: Editable field.

- Email: Editable field with verification step.

- Password Change Option: "Change Password" button leading to a secure form.

- Bio/About Me: Optional text area.

Settings Section:

- Account Settings:

- Language Preference: Dropdown menu with options like English, Spanish, French.

- Time Zone Selection: Dropdown menu.

- Privacy Settings:

- "Make my profile visible to others in the community." (Toggle)

- "Allow my data to be used for research purposes." (Toggle)

- Notification Settings:

- Email Notifications:

- "Session Reminders" (Checkbox)

- "Progress Updates" (Checkbox)

- In-App Notifications:

- "New Scenarios Available" (Checkbox)

- "Achievements Unlocked" (Checkbox)

- Subscription Details (if applicable):

- Plan Information: "You are on the Free Plan."

- Billing Details: "Upgrade to access premium features."

- Upgrade/Downgrade Options: "Upgrade Now" button.

- Danger Zone:

- Delete Account Button: "Delete My Account" with confirmation prompt explaining data deletion consequences.

- • Action Buttons:

- • "Save Changes" Button

Interactions:

- • Form Validation: Immediate feedback on invalid inputs (e.g., "Passwords do not match").

- • Toggle Switches: Instant application of settings.

- • Password Change: Requires current password for verification.

5.11. Notifications Page

Purpose: Displays system messages, alerts, and updates.

Elements:

- • Breadcrumb Navigation: "Dashboard > Notifications"

Page Header:

- • Title: "Notifications"

- • "Mark All as Read" Button

Notifications List:

- • Notification Cards:

- • Icon: Type indicator (message, alert, reminder).

- • Title/Subject: "New Scenario Unlocked!"

- • Brief Message Preview: "Try our new 'Networking at a Conference' scenario."

- • Timestamp: "2 hours ago"

- Unread Indicator: Bold text or highlighted background.

- Pagination or Infinite Scroll

Interactions:

- Click on Notification: Expands to show full details or redirects to relevant page.

- Hover Actions: Options to delete or archive notifications appear on hover.

- Mark All as Read: Updates status of all notifications.

5.12. Help and Support Page

Purpose: Provides assistance through FAQs, guides, and support contact options.

Elements:

- Breadcrumb Navigation: "Dashboard > Help"

Page Header:

- Title: "Help & Support"

- Search Bar: "How can we assist you?"

FAQ Section:

- Categories: Tabs for "Getting Started," "Account Management," "Using Scenarios," "Technical Issues."

- Questions List:

- Question: "How do I reset my password?"

- Answer: "Go to Profile > Settings > Change Password, and follow the instructions."

- Question: "Why do I need to allow camera access?"

- Answer: "Camera access allows us to analyze facial expressions for more accurate feedback."

Guides and Tutorials:

- Articles:

- "Maximizing Your Learning with Social IQ" (Link to full article)

- Videos:

- "Navigating the Dashboard" (Embedded video player)

Contact Support:

- Email Form:

- Subject Field: Placeholder "Subject"

- Description Field: Placeholder "Describe your issue or question…"

- Attachment Option: "Attach files or screenshots"

- "Submit" Button

- Live Chat Widget: Chat window in the bottom-right corner for real-time assistance.

Interactions:

- Search Functionality: Filters content based on keywords.

- Expandable FAQs: Click to reveal answers.

- Contact Form Submission: Confirmation message upon sending, "Thank you! Our support team will get back to you within 24 hours."

5.13. Logout Confirmation Modal

Purpose: Confirms the user's intent to log out.

Elements:

- Modal Overlay: Semi-transparent background to focus attention on the modal.

- Modal Window:

- Title: "Are you sure you want to log out?"

- Message: "You will need to enter your credentials to log back in."

- Buttons:

- "Cancel" Button: Secondary action, closes modal.

- "Logout" Button: Primary action, proceeds with logout.

Interactions:

- Clicking Outside Modal: Does not dismiss modal.

- Cancel Button: Closes modal without logging out.

- Logout Button: Ends session and redirects to Landing Page.

6. Navigation Flow Diagram

Navigation Flow Description:

- Landing Page
  - Login/Signup Page
    - Onboarding Pages (First-time users)

- Main Dashboard/Home Page

    - Profile and Settings Page

    - Notifications Page

    - Scenario Selection Page

        - Scenario Detail Page

            - Real-Time Interaction Page

                - Feedback Page

                    - Option to Retry Scenario or Return to Dashboard

        - Progress Tracking/Analytics Page

        - Help and Support Page

    - Logout Confirmation Modal

7. Conclusion

This comprehensive UI specification outlines the essential pages and interactions for the "Social IQ" web-based system, including detailed descriptions and full transcripts for each scenario such as negotiations, conflict resolution, social gatherings, and interviews. The detailed descriptions aim to assist UI/UX designers in creating an intuitive, accessible, and engaging platform that effectively enhances users' emotional and social intelligence through AI-powered interactions.

Note to UI/UX Designers:

- Visual Hierarchy: Use typography, color, and spacing to guide users' attention.

- Interactive Feedback: Provide visual cues for interactive elements (hover states, active states).

- Consistency: Maintain consistent styling and component usage throughout the application.

- Testing Across Devices: Ensure the design functions well on various browsers and devices.

- User-Centered Design: Consider user personas and scenarios when refining the UI.

- Inclusivity: Design with diversity in mind to make the platform welcoming to all users.