## **“Login Page” Functional Requirements**

### **Section 1: Split Layout**

**Elements:**

* Left side: Aesthetic image (green sofa, natural light, potted plants).
* Right side: Login form panel.

**Functionality:**

* Responsive layout; image on the left collapses or stacks on mobile.
* Image is static or may be part of a rotating carousel (TBD).
* High-resolution but optimized image for performance.

**Open Questions:**

* Will the background image rotate (carousel-style) or remain static?
* Should the image be personalized based on user (if returning)?

### **Section 2: Welcome Message**

**Elements:**

* Title: **"Welcome Back!"**
* Subtext: **"Please enter your details"**

**Functionality:**

* Static content; designed for returning users.
* Copy may differ for first-time login (TBD).

**Open Questions:**

* Will this message ever be dynamic (e.g., “Hi [Name]!” if cookie exists)?

### **Section 3: Login Form Fields**

**Elements:**

* **Email Address** input
* **Password** input
* **Forget Password?** link
* **"Remember sign in details"** toggle
* **Log in** button (Green CTA)

**Functionality:**

* Frontend validations for email and password format.
* "Forget Password?" opens reset password flow.
* Toggle for “Remember me” saves credentials in local storage.
* Log in button triggers auth logic via backend API.

**Open Questions:**

* Will password field include “Show/Hide” toggle?
* Is there a lockout after multiple failed login attempts?

### **Section 4: Divider – Alternative Login**

**Elements:**

* Divider with “or”
* **Google Sign-in** button

**Functionality:**

* Divider line visually separates standard login from SSO.
* Google login triggers OAuth flow and fetches credentials securely.
* Google button shows loader or spinner on click.

**Open Questions:**

* Will more third-party login options be supported (e.g., Apple, LinkedIn)?
* Should we auto-create a user profile after Google SSO if not already registered?

### **Section 5: Signup Prompt**

**Elements:**

* Text: **"Don’t have an account? Sign up"**
* “Sign up” is a clickable link.

**Functionality:**

* Link redirects to sign-up screen.
* May pre-fill email field if user had started typing it in login form (optional UX feature).

**Open Questions:**

* Should the link retain referral parameters if the user came via a referral?
* Should it open in a modal or a separate page?

## **Non-Functional Requirements**

### **Responsiveness**

* Layout must adjust for mobile and tablet.
* Form and image stack vertically on small screens.

### **Accessibility**

* Labels tied to inputs with for attributes.
* Toggle switch accessible via keyboard.
* Sufficient contrast for text vs background.
* Alt text for background image (if meaningful).

### **Performance**

* Login page loads within 1s.
* Background image under 200KB, lazy-loaded.

### **Security**

* Password input uses type="password" with obscured characters.
* Data encrypted in transit (HTTPS).
* Google OAuth secured via backend with token handling.
* CSRF protection on form submission.
* Login throttling after multiple failed attempts.

### **SEO**

* No indexing needed (meta noindex tag).
* Schema tags not required on auth pages.

## **Open Questions & Inputs Needed**

|  |  |
| --- | --- |
| **Category** | **Open Question** |
| Social Login | Will other providers (Apple, LinkedIn) be integrated later? |
| Error Handling | What error messages should display (e.g., wrong password, inactive account)? |
| Form Behavior | Should pressing “Enter” submit the form? |
| Remember Me | How long is session stored when “remember me” is on? |
| CAPTCHA | Should we add CAPTCHA after multiple failed attempts for added security? |
| Support Access | Should we include a “Need Help?” or “Contact Support” link on this page? |
| Analytics | Will login attempts be tracked for analytics or user flows? |

## **✅ Assumptions**

* Google SSO is fully configured.
* Backend handles password validation and error messages.
* Frontend is integrated with session management (e.g., JWT/localStorage).
* Visual design elements (e.g., font, buttons, spacing) align with design system.