

requirements and therefore are not completely accurate, and will not be revised to reflect the accurate features. The accompanying document describes changes that have been made to the features, and wherever there is conflict the requirements will override the wireframes and designs.

### **3.3 Data Flow Diagrams**

[Decompose the context level diagrams to determine the functional requirements. Data flow diagrams should be decomposed down to the functional primitive level. These diagrams are further decomposed during design.]

### **3.4 Logical Data Model/Data Dictionary**

[Create the initial Logical Data Model. Describe data requirements by providing data entities, decomposition, and definitions in a data dictionary. The data requirements describe the business data needed by the application system. Data requirements do not describe the physical database and are not at the level of identifying field names.]

## **4 SPECIFIC FUNCTIONAL REQUIREMENTS**

### **4.1 Member Requirements**

#### **4.1.1 Sign Up!**

##### Overview

A user can sign up for a Grouvia account. This can be a standalone process or it can be part of other processes.

##### Navigation

The user will arrive at the Sign Up! page by clicking on the Sign Up! link in the Public Home page or Public sub-page navigation menus. Only users who are not logged in see this link.

A user can also arrive at this page by clicking on an invitation link in an email.

This page may also appear during the following processes, if the user is not logged in when he attempts them:

- join a group
- start a group.

##### Mockups and Examples

Captcha Overlay Mockup

**Sign Up!** All fields are required.

First Name:

Zip:

Cre:

Ret:

overlooks inquiry

Type the two words:

reCAPTCHA™ stop spam. read books.

OK Cancel

Keep me informed of new Grouvia features and updates

By signing up for a Grouvia account you agree to the [Terms of Use](#) and [Privacy Policy](#).

Detailed Functional Requirements for Sign Up!

Section/ Requirement ID	Requirement Definition
FR1.0.	The system shall have a page where users can sign up for a free Grouvia account. This is in addition to the sign up form embedded on the home page and landing pages from advertisements, as it can be reached from multiple places.

Section/ Requirement ID	Requirement Definition
FR 1.1	<p>The Sign Up! page is already implemented as a MailChimp form. The UI is designed and in production, however for the launch it needs to be converted to an account creation process.</p> <p>The notation “All fields are required” is included on the form.</p> <p>The Sign Up! page contains the following fields for input:</p> <ul style="list-style-type: none"> <li>• first name (text field, 15 characters)</li> <li>• last name (text field, 15 characters)</li> <li>• email (text field, 35 characters) (pre-populated if the user has navigated to this page from an email invitation)</li> <li>• gender (two radio button choices: Female and Male. No default value) <ul style="list-style-type: none"> <li>◦ (?) help text: Why do we need this? Because referring to an individual as “them” is poor grammar. Besides it sounds funny.</li> </ul> </li> <li>• country (default to USA)</li> <li>• zip code or postal code (text field 9 characters)</li> <li>• create password (password field, 15 characters) <ul style="list-style-type: none"> <li>◦ Note: passwords are case sensitive</li> <li>◦ This field is not on the current live form and must be added.</li> </ul> </li> <li>• retype password (password field, 15 characters) <ul style="list-style-type: none"> <li>◦ This field is not on the current live form and must be added.</li> </ul> </li> <li>• I am 18 years old or older (check box) <ul style="list-style-type: none"> <li>◦ This is currently a radio button on the live form because MailChimp requires it. It will change to check box during conversion to account creation process</li> <li>◦ (?) help text: Why do I have to be 18? Because we need to make sure you are legally competent to maintain your account. In the future we plan to launch a Junior version of Grouvia for the under-18 crowd.</li> </ul> </li> <li>• Keep me informed of new Grouvia features and updates (checkbox) <ul style="list-style-type: none"> <li>◦ This is currently a radio button on the live form because MailChimp requires it. It will change to check box during conversion to account creation process</li> </ul> </li> </ul> <p>[ Sign Up ] (submit button)</p> <p>Text: By signing up for a Grouvia account you agree to the <a href="#">Terms of Use</a> and <a href="#">Privacy Policy</a>. (The two links each show a detail overlay with their respective contents displayed. Currently the links go to the respective pages, but they need to display in an overlay instead.)</p>

Section/ Requirement ID	Requirement Definition
FR 1.1.1	<p>Validation:</p> <ul style="list-style-type: none"> <li>• all fields are required, if any field is not filled in, leave the populated data and change the text to red at the top of the form: “All fields are required.”</li> <li>• email field must contain exactly one “@” and at least one “.” and must not contain any characters that are normally not valid for an email address (like a parens or comma, etc.) Error message “Email address is not in the correct format. Please re-enter.”</li> <li>• First name and last name fields must only contain alpha characters</li> <li>• Passwords must match. If passwords do not match, leave the populated data and display an error in red at the top of the form: “The passwords you entered do not match, please try again.”</li> <li>• The email address must not already exist in the database. If the email address already exists, leave the populated data and display an error in red at the top of the form: “The email address you entered already exists in the Grouvia database. Please select another valid email address or <u>log in to an existing account</u> using this email address.” The underlined phrase is a link to go to the login page.</li> </ul>
	<p>The password is case sensitive and should be stored exactly as entered.</p> <p>Passwords must be encrypted in the database. No human or machine should be able to view any user's password. Standard encryption methods will be employed.</p> <p>Passwords shall only contain standard ASCII keyboard characters. Spaces and escaped characters are not allowed. Error message: “Your password contains illegal characters, please use only standard keyboard characters and no spaces.”</p>

Section/ Requirement ID	Requirement Definition
FR 1.2	<p>After the user clicks the [ Sign Up ] button and their data has been successfully validated, store the data into the database, and display a captcha widget in a modal overlay, similar to the way it is shown in the mockup above.</p> <p>If the user does not pass the captcha, give them the standard “try again” message. If they don't pass it (i.e. they leave the screen without completing it), record the sign up but flag it as an unvalidated registration (similar to the signup record prior to the email verification process).</p> <p>When the user has successfully passed the captcha, display a screen with this message:</p> <p>&lt;header&gt; “Verify Your Email Address</p> <p>-----start of copy-----</p> <p>Thanks for registering with Grouvia! Please check your email.</p> <p>Your inbox will soon contain a message from us, which will have a link for you to click on to complete your registration.</p> <p>The email was sent to xxxxxxxx@xxxxxx.xxx.</p> <p>If you don't want to just sit here and wait, you can <u>return to the Grouvia home page</u> and poke around the site some more, until the email comes. (underlined phrase is a link to the Grouvia home page.)</p> <p>----- thin line here -----</p> <p>You didn't receive the email?</p> <ol style="list-style-type: none"> <li>1. If it's been less than 15 minutes, just hang in there. Sometimes it takes a little while.</li> <li>2. Be sure to check your junk or spam folder, just in case.</li> <li>3. As a last resort, you can try registering again.</li> </ol> <p>If none of these things work you can <u>contact our support team</u> for help. (underlined phrase is a link to the support page.)</p> <p>-----end of copy-----</p> <p>Note that at this point the user is not logged in yet and does not have access to anything other than the public web site.</p>



Section/ Requirement ID	Requirement Definition
	<p>If the user never completes the registration we will delete their information from the database after 6 weeks.</p> <p>If the email address bounces, try again. If it bounces twice, delete the registration record.</p> <p>Send email reminder after 24 hours, 1 week, 1 month, then delete and send final email. (Refer to email notifications supplemental document.)</p>
	<p>After the registration has been verified, send the user a welcome email with something like the following text. The following text will be underlined in the email and clicking will bring the user to the associated area of the site:</p> <ul style="list-style-type: none"> <li>Update your Profile - goes to personal profile page</li> <li>Customize your settings - goes to personal information page</li> <li>Search for groups - goes to search page</li> <li>Start a group - goes to start a group page</li> </ul> <p>From: Grouvia Signup  Date: August 8, 2009 3:26:14 PM EDT  To: soandso@somesite.com  Subject: Welcome to Grouvia!  Reply-To: Grouvia Registration &lt;support@grouvia.com&gt;</p> <p>Hi Soandso,</p> <p>Welcome to Grouvia! Now that you're here, we encourage you to test drive the site.</p> <ul style="list-style-type: none"> <li>* Update your profile: Add a photo and link to your blog or Facebook profile.</li> <li>* Customize your settings: Like technology but not into sports? You can easily customize your settings to see the topics you like and avoid the ones you don't.</li> <li>* Start joining groups: Search for groups near you that share your interests and join them.</li> <li>* Attend events: Once you've joined some groups, start going to their events and meet some new people.</li> <li>* Start a Group: It's easy to start a Grouvia group, and it only takes minutes. Grouvia will help promote your group by sending out announcements and making it search friendly.</li> </ul> <p>You can also take a 5-minute tour of the site to become more familiar with all of our easy-to-use features.</p> <p>Enjoy, and let us know if you need anything at all,  The Grouvia Team</p>
	<p>If the user attempts to log in to Grouvia before they have validated their email address, present them with this message:</p> <p>“You have not completed your registration process. Please check your email for the link we sent you to verify your email address. If you do not have the email, you can contact the Grouvia Support Team.”</p> <p>"contact the Grouvia Support Team" is a link to the support page.</p>