

Warble!

Functional Specification

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Overview

Warble.com is a microblogging web service that allows users to easily communicate over the web. Warble allows users to create and share status updates and documents, create profiles, and essentially categorize yourself. The site is built around status updates called “Warbles” where users can attach documents to each status.

Disclaimer

This spec is not complete. The design, graphics, layout as well as the functionalities are not finalized, and will undergo change over time. This spec does not discuss the algorithms that will be used to implement warble. It provides an understanding of how a user sees **Warble.com**.

Non Goals

This version will *not* support the following features:

- No file uploads with total size greater than 5 megabytes allowed per warble.
- More 250 characters per status update
- Private Messaging is not included in the preliminary version
- User profile customization is not allowed in the preliminary version.
- User cannot make change privacy settings of their profile in this version.

Scenarios

Scenario 1: Javier.

Javier is a college student who likes to hang out with his friends. After his two years at college he is finding it increasingly difficult to maintain communication with all his friends in his major and now he is starting to fall behind in his studies. In order to keep in contact with all of them he uses his **Warble** account to chat with friends and share books, documents, and files

Scenario 2: Allison

Allison is the owner and manager of a small cafe in the big city. She is constantly networking-- organizing events to come to her business. She uses her **Warble** account to send schedules to all of her managers. She also sends promotional items through **Warble** allowing customers to print coupons and informing them of possible events and discounts. The popularity of her Warble account directly affects the popularity of her business.

Scenario 3: Warren.

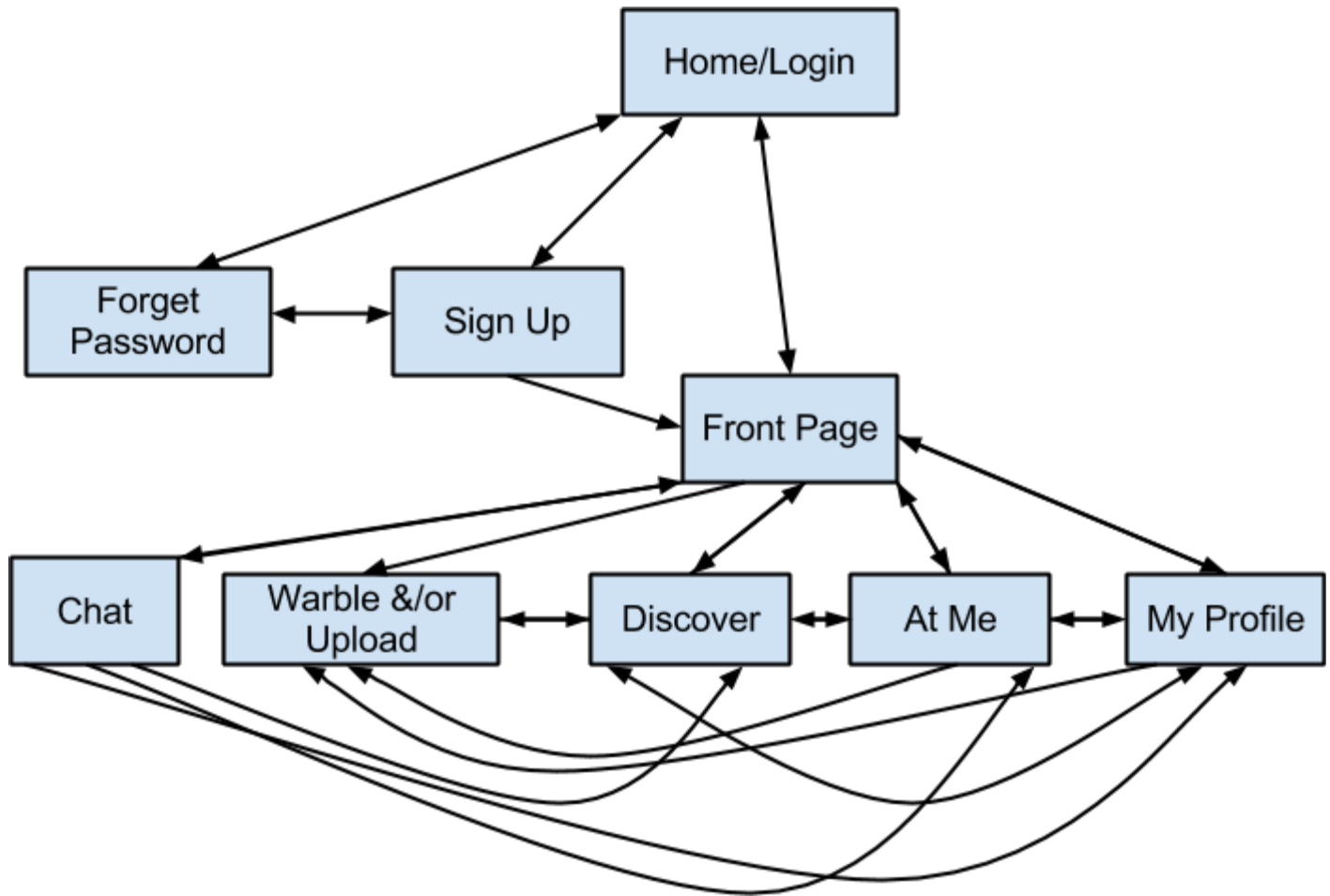
Warren is a full time musician working to just get enough gigs to get by. He uses his **Warble** account to advertise his music, posting status updates about his shows and sharing small clips of his new music. He even uses his warble account to contact producers and show them his best songs in hope of getting signed to their label.

Scenario 4: Lukas

Lukas is a rich and successful event planner for a large wall-street corporation. His job entails planning all sorts of events for the company -- from small business meetings to large parties. He uses his **Warble** account to share documents involving event information such as the time and place or proper attire. He can also use his **Warble** account to distribute slides for a meeting so that all attendees can view at their pleasure. The success of the company's meetings depends on Lukas's use of his **Warble** account.

Warble.com Flowchart

The following is an flowchart of how pages are connected (shown by arrows) on Warble.



Note: The Warble/Upload is not its own separate page. It is a feature embedded in each page.

Screen by Screen Specification

A. Home Page & Login Form

The Home Page is a simple login portal for users. It serves two purposes:

1. Allow members who have already signed up to log on
2. Allow people who want to sign up to create an account.

By logging in, current members can create status updates, upload and share files, connect with friends and discover people and topics of interest.

The image shows a login form for a website called "Warble!". The background is a solid green color with a fine, repeating dot pattern. At the top, the word "Warble!" is written in a large, black, handwritten-style font. Below this, there is a light green rounded rectangle containing the login form. The word "LOGIN" is centered at the top of this rectangle in a grey, all-caps, sans-serif font. Below it, the text "Username or email" is followed by a white rectangular input field. Underneath that, the text "Password" is followed by another white rectangular input field. Below the password field is a checkbox with the text "Remember me" to its right. At the bottom of the form is a grey button with the text "Sign in" in a bold, black, sans-serif font. Below the button, the text "Sign up | [Forgot password?](#)" is displayed, with "Sign up" and "Forgot password?" being underlined.

Signing In:

The home page is minimalistic-- it is a simple login form for current users. The login in form asks for a username or e-mail address and a password to log in. The limit for the email/username input is 60 characters and the limit for the password input is 12. For security issues, the characters would show up as asterisks (*) when entered in the password box. Once signed in, the user will be taken to their front page. The form also asks the user whether or not they want the website to remember their login information so that in future visits they do not have to complete the login form again.

Technical Note:

The asterisk function will be accomplished using `<INPUT TYPE=PASSWORD>`

When the user clicks the Login button, the login form checks the username/email input with the corresponding password input. If a match was not found, then the form would refer to another page similar to the login form but with an red error message displayed above the the login box that says "Wrong username/Email and password combination".

If there was no error, the user's front page will be displayed.

Other than logging in, the home page links to two other pages: the Sign up page (by clicking the "[Sign up](#)" link) and the Forgot Password page (by clicking on "[Forgot Password?](#)").

B. Forgot Password Page

The image shows a web form for a 'Forgot Password' page. At the top, the word 'Warble!' is written in a large, black, handwritten-style font. Below it is a light green rounded rectangle containing the text 'PASSWORD :3' in a serif font. Underneath that is the instruction 'Enter your e-mail or username' in a serif font, followed by a white rectangular input field. To the right of the input field is a button labeled 'Email Me' in a sans-serif font. At the bottom of the rounded rectangle are two links: 'Sign Up' and 'Login!', both underlined and in a serif font. The entire form is set against a green background with a white dot pattern.

Linked from the home page/login form. The form requires a user to enter either their email or username for submission. Once the form is submitted, the Warbler's database is searched for the account corresponding to the email/username entered. The code will then send an email to the corresponding e-mail address with a randomly generated password which can be temporarily use to login to that Warbler account. When the temporary password is used to login, a message will display on the front page to remind the user to go to their account settings and change their password.

If the user knows their username/password combination, then they can click the "[Login!](#)" link to login, otherwise they can sign up by clicking the "[Sign Up](#)" link.

C. Sign up form



Warble!

Start Warbling!

Full name

E-mail address

Password

Username

Terms of Service

☐ Remember me

Create!

[Already a member? Login!](#)

The image shows a sign-up form for 'Warble!'. The form is set against a green background with a white dot pattern. At the top, the word 'Warble!' is written in a large, black, handwritten-style font. Below it, the text 'Start Warbling!' is centered in a smaller, black, sans-serif font. The form contains five input fields: 'Full name', 'E-mail address', 'Password', 'Username', and 'Terms of Service'. Each field is a white rectangle with a thin black border. Below the 'Terms of Service' field is a checkbox labeled 'Remember me'. At the bottom of the form is a grey button with the text 'Create!' in bold black font. Below the button is a link that says 'Already a member? Login!' in a smaller, italicized black font.

In order to create and share status updates and documents, create profiles, and categorize “warbles” and uploads, a Warbler account is needed. An account can be created by completing and submitting the sign up form on the sign up page. The form requires the user to fill out the full name, email address, password, and username sections. By creating an account, the user is agreeing to the Term of Service which is shown as a scrollable text-area below the username box. Once the required information is submitted, the user will be taken to their front page. If user already have an account, they can sign in by clicking on the “Already a member? Login!” link.

Email address: The limit for the email input is 60 characters.

Password: will be required to input it twice and make sure it matches, need to have length in certain range, at least one number and letter. For security issues, the characters would show up as asterisks (*) when entered in the password box.

Username: must be unique, not over 20 characters, and can only contain some certain characters

D. Front Page

The screenshot shows the front page of Warble.com. At the top is a navigation bar with four links: "Home", "Discover", "At Me", and "My Profile". Below this is a large text input area with the placeholder text "Isn't it delightful?". To the left of the input area is an "Upload" button, and to the right is a "Warble!" button. Below the input area, the text "no files yet..." is displayed. Below the input area is a section titled "Warbles". The first warble is from "Dictionary.com @dictionarycom" with the text "#WordOfTheDay - kinchin: a child. ow.ly/2uO0Sg". To the right of the warble text are two buttons: "reply" and "warble". Below the warbles section is a large empty area for more warbles.

Warble.com consists of a few different screens, most of which will be finalized in the future. The basic layout of the screens can be seen here. The timeline or the front page will be where the user will receive any warbles sent to them or can check back on the warbles sent by them. Any status updates posted by them will also be displayed on this screen. If the user is subscribed to a group, the warbles sent to the group will also appear here. This is also the page where the user will update their status or warble to some other user using the text box at the top of the page, as well as upload files such as pictures, documents, music etc. This is also where the user can re-warble some other user's warble. The home page or the time line is the center of all the activity of the user.

When the user updates their status, **Warble.com** will keep track of the number of characters and display them to the left of the “Warble!” button. When a user clicks the “Upload” button a file selections screen will appear allowing the user to choose files to share from their computer or other devices. After selecting a file the uploaded file will be displayed to right of the “Upload” button.

The home page will also have tabs at the top that will take the user to a few other screens of **Warble.com**.

E. Additional Screens

The Discover page keeps the user informed of the latest happenings around your locale, their favorite celebrity or world news. These could be warbles promoted by the people they are following or the people following them. This is also where the promotional warbles that have been promoted by an organization appear.

The At Me section of Warble makes it easier for users to locate warbles sent specifically to them without having to wade through their whole time line. It will have the warbles sent to the user using their @handle, be it be a reply to the user’s previous warble or a new warble. As the warbles on the timeline of the user are only from the people they are following, this is the only location they can see a warble from a user who is following them, but it not being followed by them.

And the My Profile sections shows the warbles the user themselves have warbled, their warble of other user’s tweets or their replies to other warbles. This is also where other users can see the warbles favorited by the user, the people following them as well as being followed by them.

And the Realtime Chat screen can be accessed from the front page. This feature allows the user to chat with all other online users. The chat is updated in real time.