

Paper prototype

1. Design artifacts

Content of Website:

- Home Page
- account info page sign in/up
- filter post function
- Popular post - post that has highest click rate / view rate
- Trending post - post that has the most discussion
- search bar with category selection / suggestion
- search result based on post category / article tag
- add tags automatically from the post (e.g. sensing words which were referred a lot in the post)
- comment section in each post
- Event hosting for public outing / face to face group meeting - group event planner
- gather events related to interest / hobby from online newspapers and let elderly people join them

Website function for elderly:

- View and search post
- post and share
- post comment
- join social group event
- join group chatroom

Website function for visitor/ non elderly people:

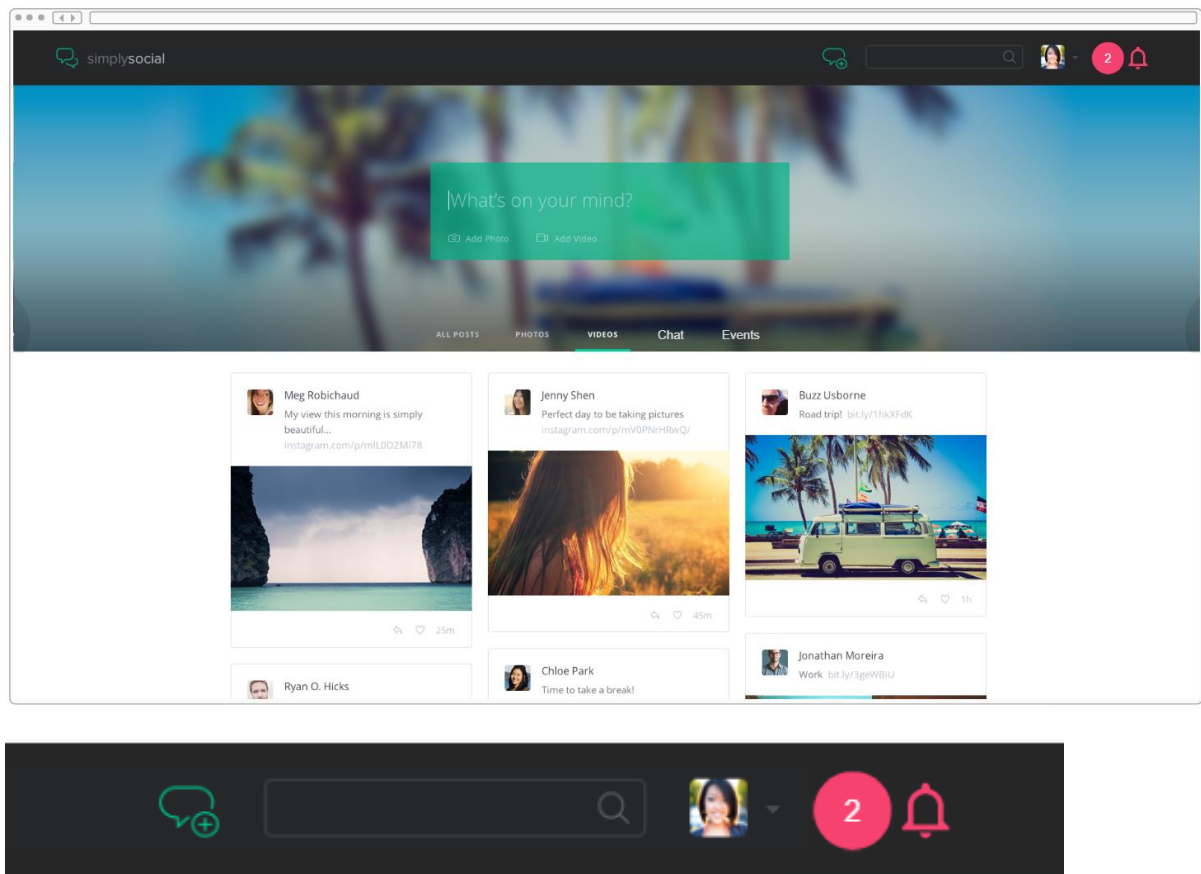
- View post
- search post
- post comment
- can't edit or post on website
- can't join chatroom

Speech to text feature or speech to text chat room

Speechnotes. (n.d.). Retrieved September 11, 2017, from <https://speechnotes.co>



1.1. Homepage



(Pink round button as notification alert)

Home page with 5 navigations

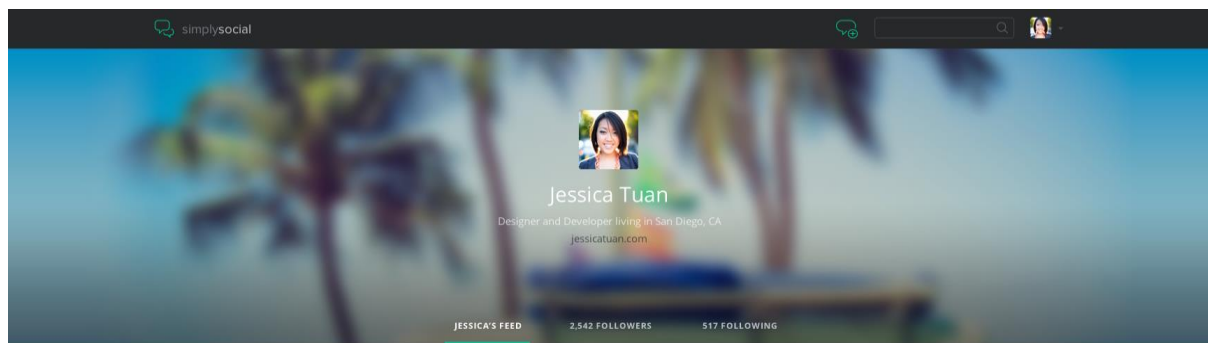
- all Post
- Photos
- Videos
- Chat
- events

Search bar on top right header section, beside the account info.

Notification on most left of header.

All post samples displayed in block form with caption and thumbnail.

1.2. Personal information

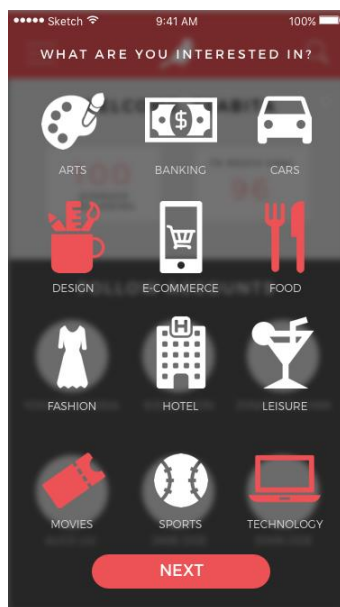


Account info sample page

Avatar and username on top middle, navigation bar:

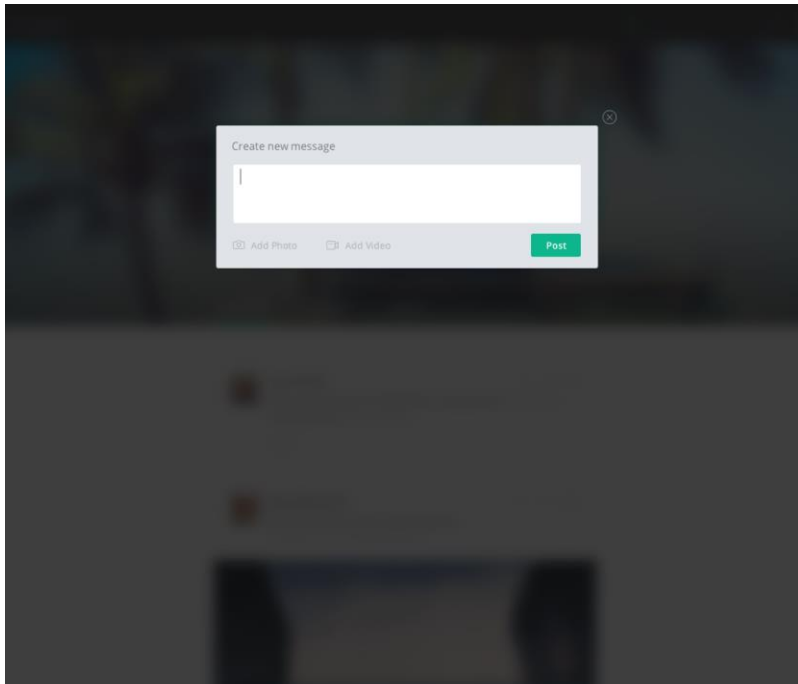
- all post
- Interest setting
- events navigation button
- chat navigation button
- Comments

1.2.1. Template of sign up / register interface template



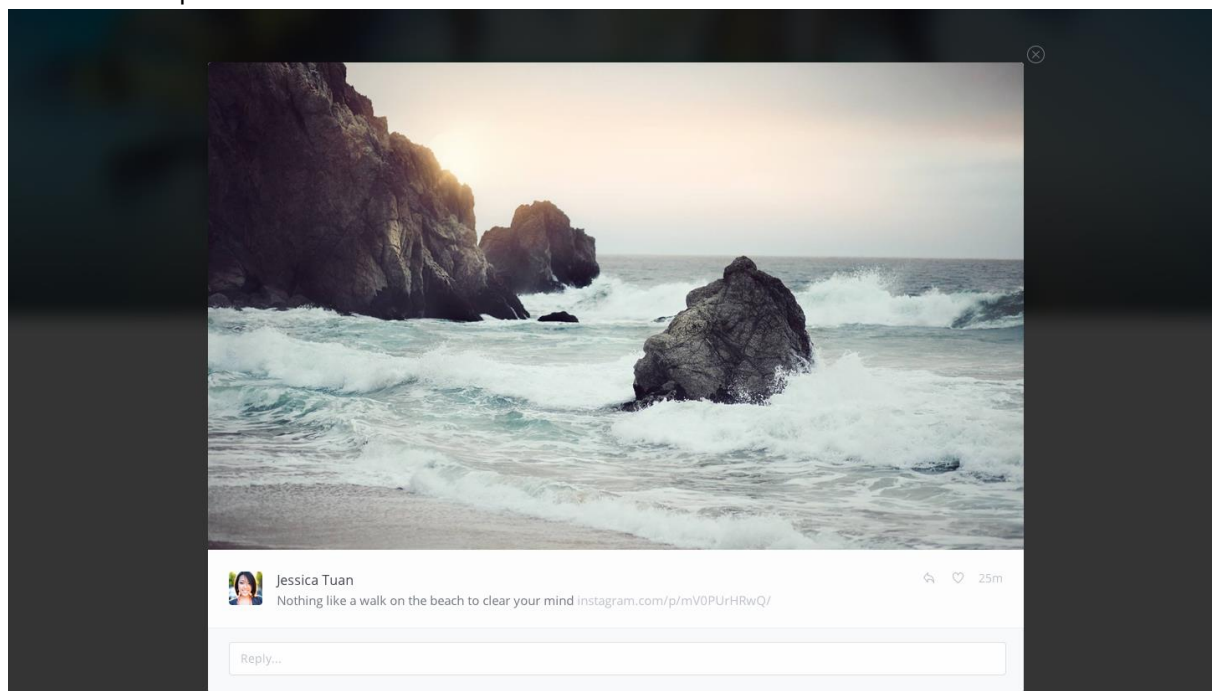
Used for user to pick their interest or hobby.

1.3. Post comment on post



Post comment on post:

- pop up window
- "Create new message" replace with "Create new comment"
- text field to type comment
- Post button to post the comment



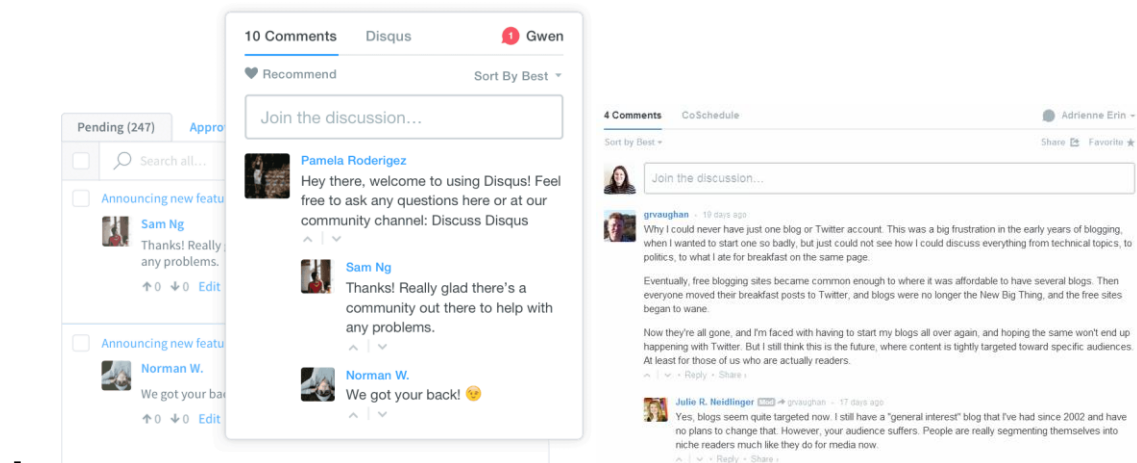
Attach link / file button

1.3.1. Sample of viewing single post with photo

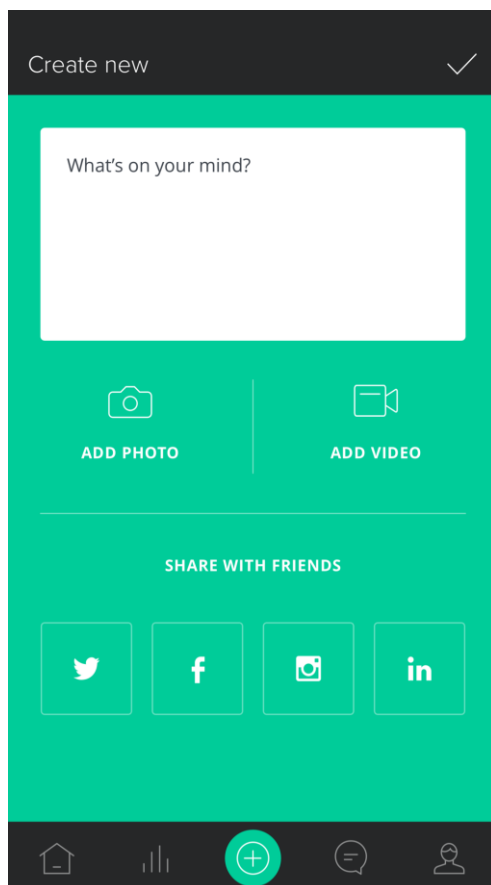
View single post with photo:

- pop up window with blurred background
- close button on top right corner

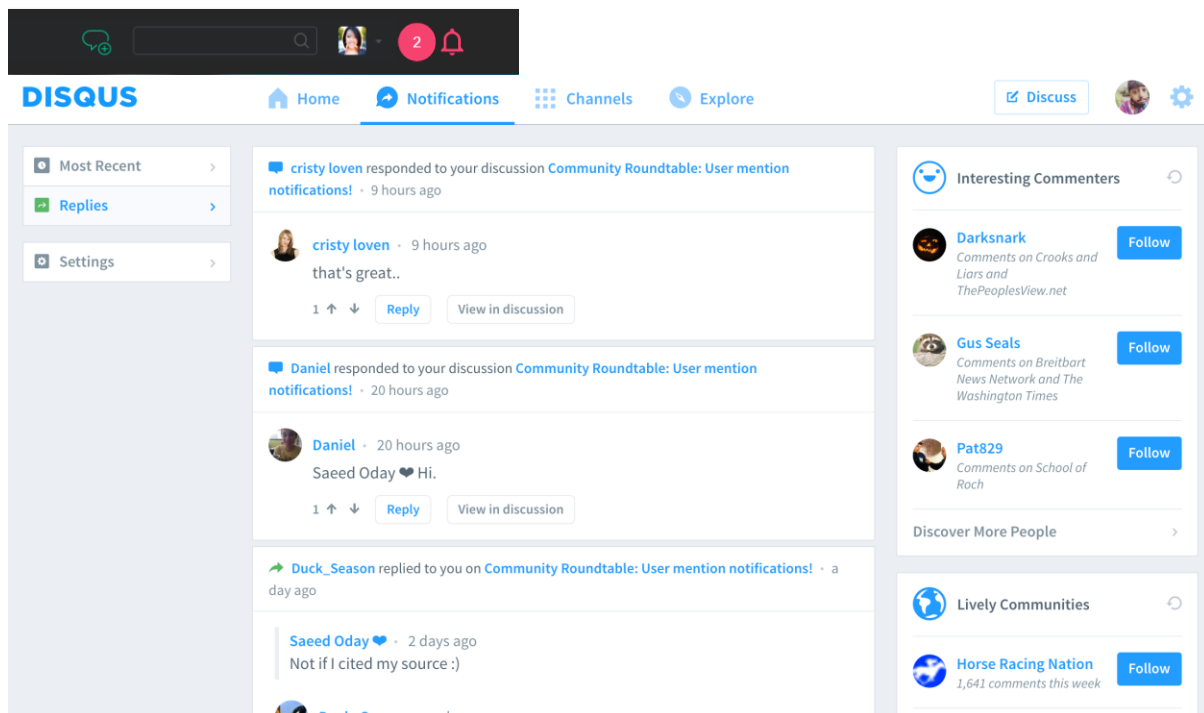
1.3.2. Viewing post comment template



1.3.3. Upload post / share post interface



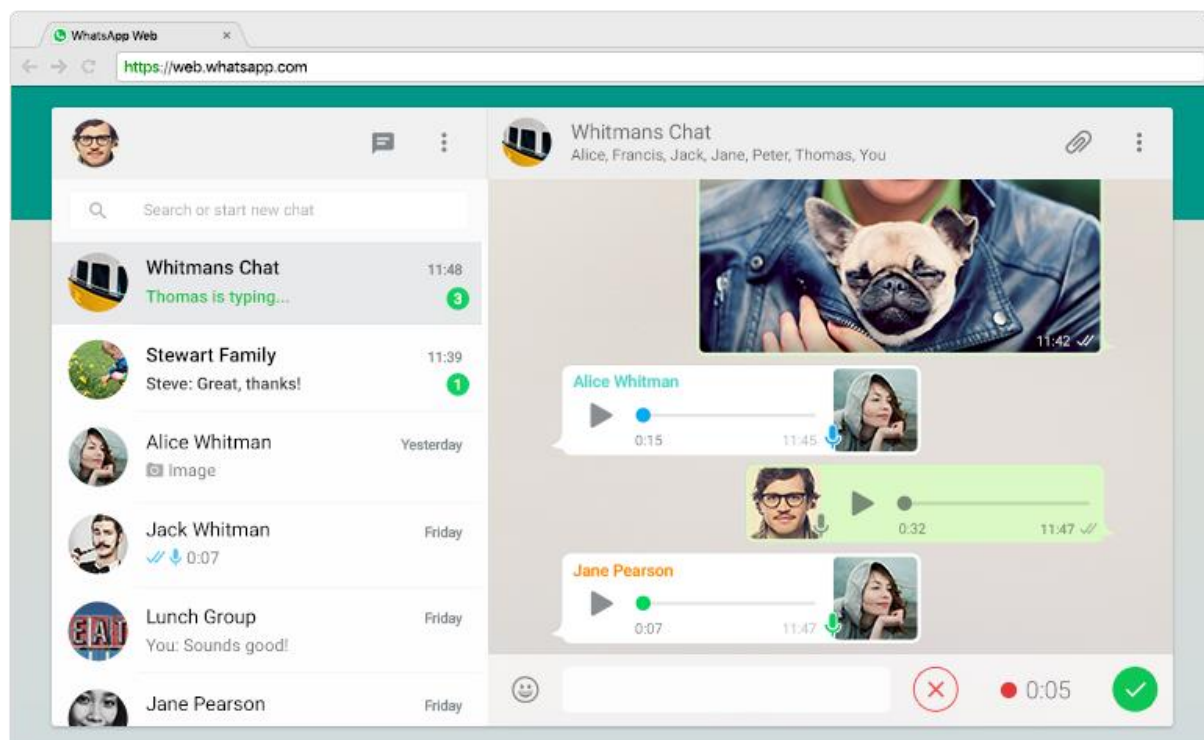
1.4. Notifications template

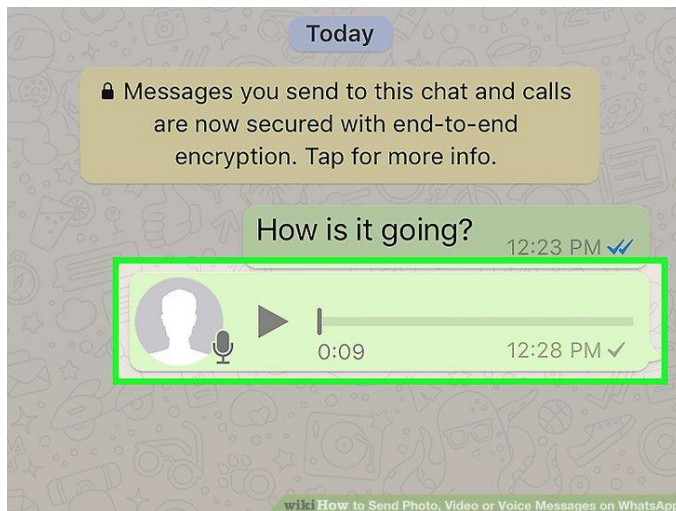


Notifications:

- voice input
- speech to text (if users record/post comments from their speech, it translated to text and post/comment it) & text to speech

1.5. Chatroom with voice message template

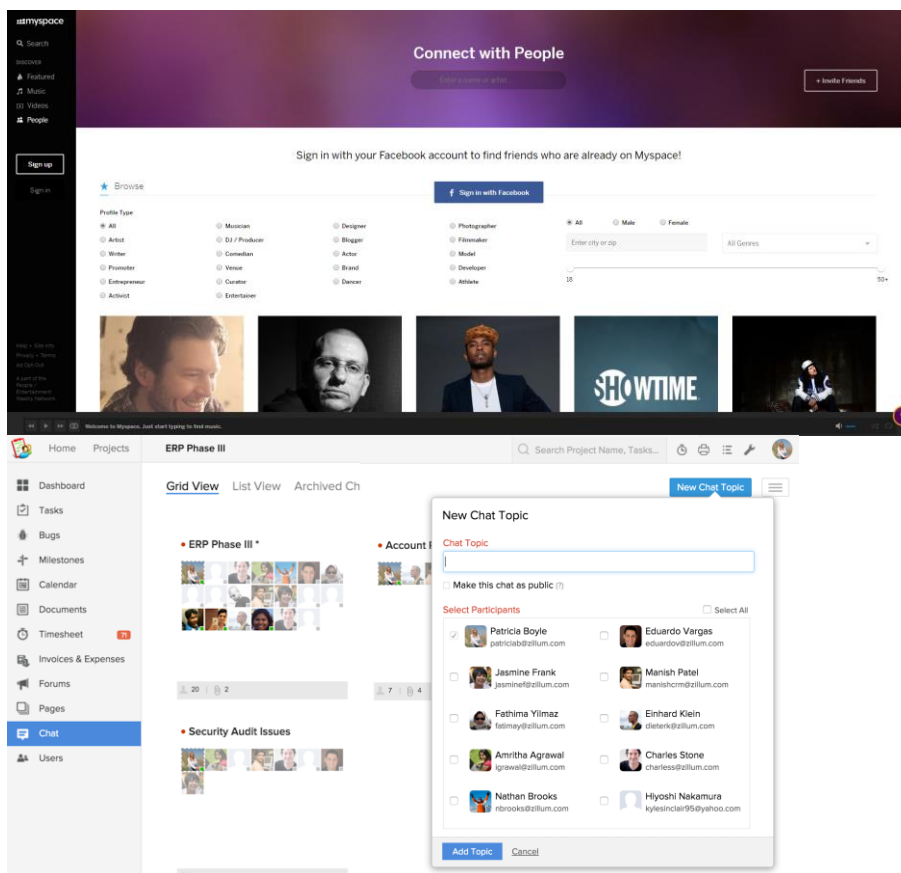




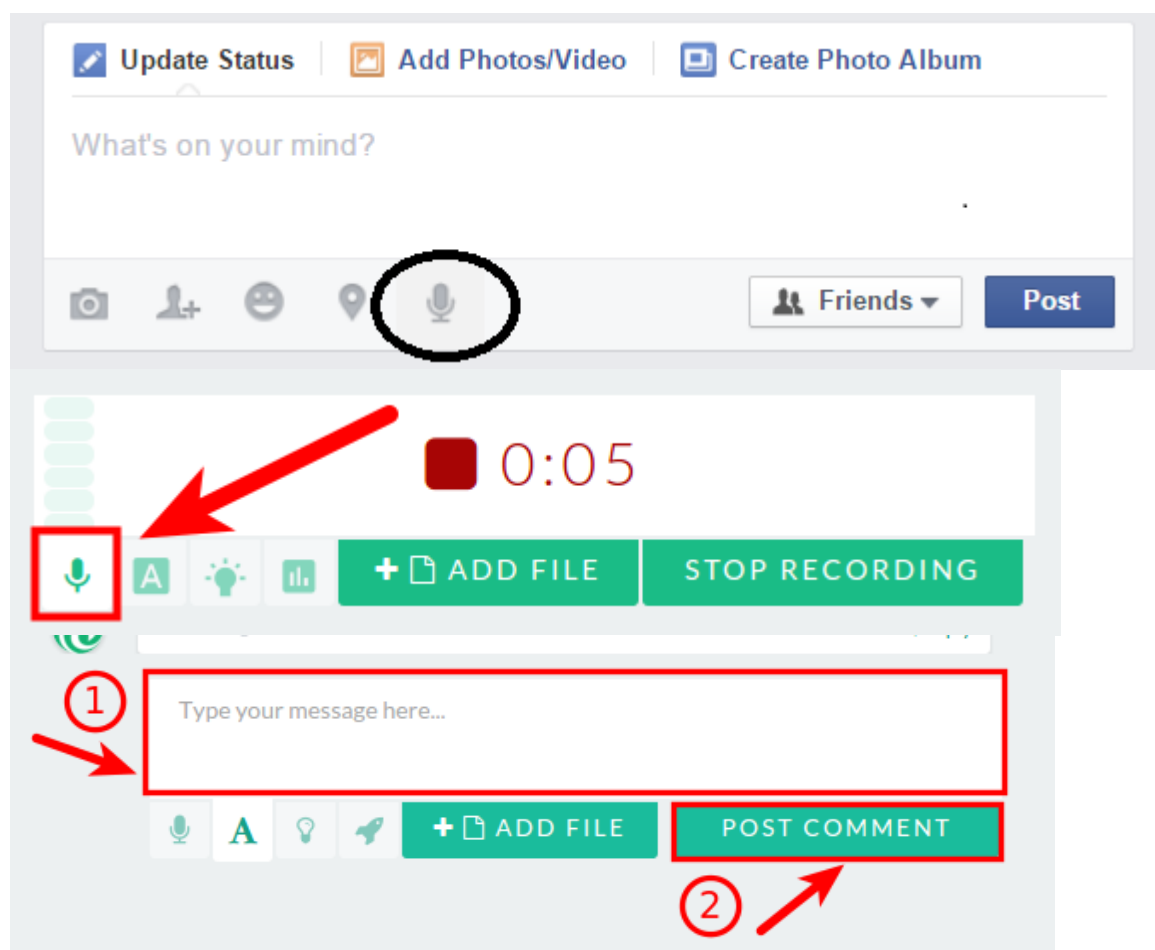
The voice message will be translated into text and display on top of the voice message

Elderly people with bad hearing are able to read the text if they can't hear the voice message clearly.

1.5.1. Online chatroom template



1.5.2. Speech to text feature or speech to text chat room



Mic icon to record speech for comment

Reference:

Speechnotes. (n.d.). Retrieved September 11, 2017, from <https://speechnotes.co>

Kaizena, Team. (2016, March 25). Sample Group: Conversations. Retrieved September 11, 2017, from <https://kaizena.zendesk.com/hc/en-us/articles/214664208-Sample-Group-Conversations>

1.6. Search function with suggestions / category selection

The image displays a web application interface with several components:

- Search Bar:** Located at the top, it includes a search icon and a dropdown menu for search options.
- Search Options:** A dropdown menu showing filters: `from: user`, `has: link, embed or attachment`, `before: specific date`, and `in: channel`.
- TAGS:** A section on the left showing a list of tags: `photog`, `photography`, `street photography`, `Sports Photography`, and `food photography`.
- Tags Input:** A form on the right with a text input field containing "Audio", an "Add" button, and a list of suggested tags: `Audio`, `Branding`, `Classic Mode`, `Logo`, and `Structure`. A link "Choose from the most used tags" is also present.
- Featured Image:** A section on the right with a "Set featured image" link.
- Blog Editor:** The main content area shows a "Welcome to our learning journey" post. It includes a permalink, a "Get Shortlink" button, a rich text editor with various formatting tools, and a preview of the post content. The post content includes a paragraph about sharing learning and a photo of the Statue of Liberty.
- Publish Section:** On the right, it shows the "Publish" status, visibility settings (Public), and a publish date/time (Jan 3, 2014 @ 14:58). It also includes a "Move to Trash" button and a "Publish" button.
- Tags in Editor:** A section at the bottom right of the editor showing a "Tags" input field with "Global Connections" and an "Add" button, along with a list of tags: `Global Connections`, `Blogging`, and a link "Choose from the most used tags".

Blog: [News](#)

The new office!

Preview: <http://mydomain.com/blog/the-new-office>

Visual
HTML
Markdown
Photo Album

Allow comments

Off ☒ On

Author

Mary White

Publication deadline

Not set Deadline is used for planning purposes only. It will not automatically published the post, but it will highlight the post if the publication date is overdue.

Meta

No meta parameters are defined for this blog post.
[Edit meta](#)

Categories

Add at least one category in the [plugin settings](#)

Assign tags

new office x

gifts x

special offer x

Separate tags with a comma (,).

Publish
Save draft Ctrl+S

Schedule publication

Categories

Posts
Comments
Admin

RSS
Misc
Categories

SEO
Themes
Plugins

Media
Users

Tags

the_content_more_link
wp-config.php
the_generator
the_content

email
init
wp_list_categories
wp_tag_cloud
the_tags

site_transient_update_plugins
the_category
title
make_clickable

antispambot
add_shortcode
comment_text
add_post_type_support

Cool Tag Cloud
COOL TAG CLOUD
cool tag cloud

Add tag feature in blog post.

1.7. Group event planner



2. Promotional material

2.1. User Testing & Goals

Before week 8 stand up workshop session, we have confirm our final project idea, the target users, to make sure our project is suitable for our users to use, it is not a hard platform for all of them to understand and use it. We had thought of some question to question itself, such as the security problem, user interaction. We need to make sure our problem will provide a safe and easy platform for elderly to use it. Also we had implemented a digital prototype, our first prototype that include all the basic function and interface for our web platform. We will invited few people from different background as participants to use and join our user testing session. Before we start the test, we are clearly explain to them what our project is, what our project for, and make sure they are in the comfortable area to start our user testing, we will let them to sign a form to agree the user testing process, they can leave during the test if they want. After all the explanation, we will start our user testing session, we will provide some task that need them to finish, and we will use timer to count their time they need for get it done, at the end, they need to finish a questionnaire that ask simple question base on the project task.

This website prototype was made by Balsamiq

2.2. Target users/audience

Our target users are elderly people with different background who had interest to share their skill to other people and people who want to learn something from elderly.

2.3. Structure of the testing survey

- User background: understand our user basic background and information
- Design Functionality: how user feel when they are using our web platform
- Design Aesthetic: how is our interface, is it easy for user to use, is it useful
- Suggestion: Anything that can be improve and what we can make it better

2.4. Protocol for low-fidelity prototype user session

1. Preparation before participant arrives
 - Prepare the low-fidelity prototype, video recording device, timer and consent form so that everything is ready.
 - Have the questionnaire ready to go on a laptop to ensure a smooth transition to the second part of the session.
2. Introduction
 - Introduce yourself to the participant.
 - Provide a high-level overview of what the website will do.
3. Consent
 - Ask participant to fill in and sign consent form as shown blow.

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Informed consent form

User testing for DECO3500/7350 class exercise

This user testing exercise is for educational purposes only, and is being conducted as a course requirement for DECO3500/7350, a course about Social & Mobile Computing.

You will be asked to interact with an interactive prototype, computer program or system, and/or to answer questions about your interaction. We are testing the design; we are not testing you in any way. The test will require no more than 15 minutes of your time, and potentially less.

Consent is voluntary – you do not have to participate if you don't want to. If you do participate, you may withdraw your consent at any point, and all your data up to that point will be destroyed and not used.

All data collected is confidential and will be kept in a secure location, and your data will be indexed by a participant ID rather than by name.

If AV recordings are taken, they will be seen only by the students doing this particular project and possibly also by your Prac tutor and the class instructor (Ms Lorna Macdonald).

All your data, including any recordings, will be erased/destroyed once class grades are released.

There is no reimbursement or payment for participation.

I have read the information above and give my consent to participate.

Participant Name: _____

Participant Email: _____

Signature: _____ Date: ____ / ____ / 2017

Researcher Name: _____ Date: ____ / ____ / 2017

Researcher Signature: _____

Instructor in charge of DECO3500/7350: Ms Lorna Macdonald (lorna@itee.uq.edu.au)

Because this is an in-class educational exercise, performed by course students with UQ students, family or friends only, formal ethics approval has not been sought.

Sample of Informed consent form

4. Instructions (TBD)
5. Observation
 - When participant is ready, start the video recording and ask the participant to start on the task.
 - Start the timer and take hand notes as the participant works.
 - If the participant goes a bit quiet, ask “what are you thinking now?” or “what are you working on now?”
 - When the participant indicates they are finished or when 15 minutes have elapsed, say: great—we now have the information we need for that part of our session.
6. Questionnaire
 - Open web browser and guide the participant to the questionnaire.
 - Clarify anything necessary.
 - When the participant has finished filling in the questionnaire, check over the responses to make sure that all parts have been filled out clearly.
7. Closing
 - Tell the participant that the session is at an end.
 - Thank the participant for their time and reinforce that their help has been extremely valuable for improving the website’s functionality, and let them know they are free to go.

3. Milestones before next stand up:

- Do a user testing up to 50
- Elderly to make sure our test is accurate.
- Group all the feedback from our user testing users, and check that which feedback is useful for us to update our project.
- Implement a new prototype after we receive user idea.
- Do some research about our project target user, to see what they need, and what we can improve.
- Design a new questionnaire for further testing.

4. Group Contributions

Name	Contributions
Chenwu Han	Documentation, Interface design
Weiguang Hou	Questionnaires
Kin San Poon	Documentation, Research, Interface design
Yau Ga Sheng	Paper prototype, Persona, Interface design
Jemin Yoo	Protocol for low-fidelity prototype, Screen Layout