

Proposal
(DECO 3500)
SHORTIES

Notice Me!

-using a digital board through mobile app-

Student Name	Student Number
Hui Ting Ko	43762378
Yangyang Xu	43442401
Siv I Choun	43681974

Introduction

The product is a hybrid of current news, thoughts alongside with archived news. The project is to make a mundane day exciting where people can interact with other people whom which they've never met before. This will also help with socialising with other people or even just to pass the day.

Concept

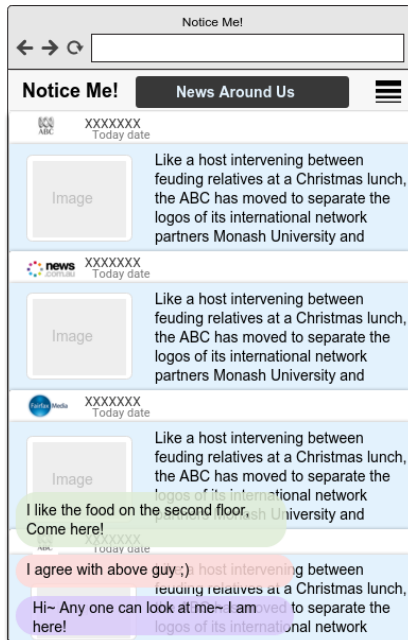
How is the concept idea different? By comparing larger billboards and digital commercial boards, these boards are non-interactive. As for our idea, our most important feature is to allow users to interact with other people while getting information from the interactive board.

The concept idea is to present a large interactive board; this could be a projector or a digital board that displays information in two sections of the screen, there will be trending news which will show 'News around us' depending on your location, the information pops up on the screen like an instant message. Another section of the display will show 'Thoughts', and this will allow others to respond to your post.

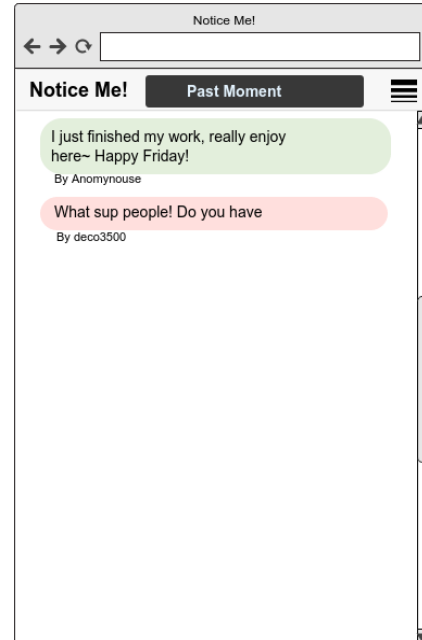
To add to the addition to the interactive board is to use an audio sound to attract people, it would be something like a special message for people who walk past the board. A ding sound will be the notification sound when someone posts a message. If there are too many messages posting at the same time, the sound will be muted so that it doesn't get overwhelming. If there aren't any activities happening on the board, a funny sound will be generated when a random news suddenly pops up, like breaking news.

There will also be many random people posting messages to the board; a censored function will need to eliminate explicit languages as well as commercial advertising. If a user repeatedly posts the same message three times in a row, those messages will be deleted and detected as spam.

The Mobile application will have a scanning QR code, and this allows to recognise registered users and the board. The user is then able to select which section they wish to post, either in the News around us or thoughts. In their mobile app, users can read the 'news around us' section; this will view comments from the board on their phone. If users are not around the board, they are not able to post, if users have previously used the board before the app will remember the QR code, and users can read the post only and view their activities in history through the app.



("News Around Us" Section on Mobile devices)



("Past Moment" as history activities Section on Mobile devices)

There are a few restrictions to the application and the electronic board when a user posts a message, and there is a certain distance for posting a message. The messages will only allow 80 characters and including spaces, this is to make users feel wanting to post more. An example if the 'News around us' displays more than five messages, the screen will then divide that column into two sections, top part will show the news, and the bottom part of the screen will display the rest of the messages. If messages are showing concurrently, a bubble function is then implemented, and this allows the bubble message to appear for 5 seconds then disappears.

The aim of this concept is to raise social interaction and to help reduce mundane daily activities by multi-users. By increasing this awareness, the application should make users feel the interest in participating not only about news but to express an opinion or starting a conversation publicly, but keeping users privacy.

Who are the audiences? To access the application and the interaction board, users should download the application and register. People who are open to sharing their opinion and feelings and evolving it to an open discussion. The interactive board is to be located in public areas who are near the board also for people who are feeling bored, waiting for their coffee or even in a queue, and people will then strike a conversation. And those who aren't near the board and have used the board previously can check the 'news around us'.

Team

Our team consists of 3 people we have allocated roles and responsibility for each member, and this will allow us to help one another, during the project implementation.

Names	Course Code	Roles	Responsibility
Hui Ting Ko	DECO3500	Front End Back End Design	Team Manager of the project Minutes of the Meeting Equipment - Laptop Design - the layout of the application
Yangyang Xu	DECO3500	Front End Back End Content	Equipment - Laptop Content - What will be included in the application
Siv I Choun	DECO3500	Front End Back End Design	Organise meetings through UQ Library Equipment - Laptop Design - the layout of the application

Communications

Regular meetings will be held every Friday (from 10 am to 12 pm) in the workshop session. In this session, our group aim to get help from the tutors and make some important decisions. During the discussion, we should raise all our problems and ideas face to face as team members are required to participate in the meeting actively.

After the regular meeting, we have two irregular communication channel - social platforms and informal meetings.

- Social platforms: We are using Facebook group chat and Slack group chat as our communication tools. The reason why we choose Facebook is that it is most a commonly used social platform, and each team member has access to Facebook every day. On the other hand, we will also use slack as our second communication tool. It is our backup social platform if ever Facebook is down. As a result, each team members should not have the excuse to ignore all the messages, unless it is an emergency.
- Informal meetings: these meeting will be required when the team has an urgent issue. If the team cannot handle the problem during the workshop as a group, members may meet at university, and each meeting should last at least an hour that for the problem to be solved.

All documented files are stored in Google Drive and a shared file for the team to all collaborate, all files including documents, images, code, etc, all the properties of the file should be set to “shared with abc” amongst the team. Our file naming convention will be “teamname_file”, for example, the name of this document will be “shorties_proposal”. If we have a different edition of the document, a number will be required after the file name, e.g. “shorties_proposal(2)”. So all members can know which one is the latest and can refer to the old one.

How decisions will be made, handling poor performance and resolve conflicts

Decisions are made during meetings and discussions and through messenger or Slack as a team. If a team member performs poorly, we will discuss what the problem is, how can we help to fix the problem, and talk about the problem as a team. There will be work allocations or swap task with another team member if one cannot handle their task. Each team member should respond to any communication, and this can be with either slack or facebook messenger within 24hr. If a member that does not reply in a week, the team will request a peer assessment, and if the problem still arises the tutors will then act as mediators, and if this still occurs, the team will apply for a formal peer assessment.

Source of Communication and Work

Facebook Messenger	Primary use
Slack	Backup use if Facebook is down
GitHub	Task Management
Google Drive	File Documentation
SourceTree	Version Control/Code Management

Plan

Requirement

Functional Requirements

F01	System needs to be web based.
F02	System needs to be mobile friendly.
F03	System needs to be able to register users.
F04	System needs to allow public participants with the same location of the receiver screen.
F05	System needs to load news randomly.

F06	System needs to allow users interact with each others.
F07	System needs to be a real-time system.
F08	System allows logged users leave comments.
F09	System (mobile application) allows users to view history activities.
F10	System needs to let logged users link to the board by QR code or text links.
F11	System allows users see what news is happening in their communities.
F12	System must get the permission of using user's' location, GPS.
F13	System can filter explicit words and commercial advertising.

Non-functional Requirements

NF01	System needs run on popular operating system such as Android and IOS.
NF02	The System cannot misinterpret users' comments or information.
NF03	The System will keep activity status at least 99% of the time, it will inform users when it is doing maintenance, updates and System restores.
NF04	The System will only store the location of the board that users have used before.

Milestone

Date	Events
4.Sep.2016	Finish editing proposal documentation and submit it.
12.Sep.2016	Week 8 - Design Standup
11.Sep.2016	Finish building user register and log in.
18.Sep.2016	Finish building half part of "News around us" section.
25.Sep.2016	Finish building "News around us" section.
2.Oct.2016	Finish building half part of "Your Thought" section and "Past Moment".
3.Oct.2016	Week 10 - Building Standup
9.Oct.2016	Finish building "Your Thought" section and "Past Moment".
16.Oct.2016	Finish building the receiver part and starting testing prototype.
17.Oct.2016	Week 12 - Evaluating Standup

23.Oct.2016	Finish testing and prepare project promotion.
28.Oct.2016	Deliver project prototype.

Resources

Equipment

There are two parts which will be used in the project. One is the receiver screen, and it will be done by a projector and a white screen to simulate the billboard in a shopping mall. Another one is the mobile-based platform which can connect to the internet, and it can be any mobile devices, smartphones, pads, or computers.

Code Management

SourceTree

GitHub: <https://github.com/deco3500/shorties.git>

Front-end

Both of the one-screen receiver and the pages of application will have the same content and are coded in HTML5, CSS6, and javascript. If the mobile device's screen is large, it will have the same screen as the receiver screen, which includes three sections on one screen. Pages will be automatically adjusted to frame structures according to screen size, and make sure the application can also be displayed well on most of the devices screens.

The two sections are "News around us" and "Thoughts". "News around us" will display local news, "Thoughts" will display the posts from mobile devices users.

On the mobile devices, users are allowed to view the "news around us" section from the board they want to see.

Back-end

The functionalities of posting thoughts and querying or update data in database will be coded by PHP.

Database

The application will use MySQL database, it will include user's account and posts schemas.

Tags

#socialise

#trending

#news

#strangers

#historyactivities