
MaroonPrint

User Interface Design

Submitted to:

Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Lee, Kristine-Clair
Magno, Hannah Mae
Wu, Jeremy Jin Qian

In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the
1st Semester, AY 2018-2019

Unique Reference:

The documents are stored in the <https://maroonprint.tumblr.com/project-deliverables>.

<https://github.com/kerstenleeeee/MaroonPrint/blob/master/Project%20Deliverables/03%20-%20Design%20Engineering/MaroonPrint%20-%20User%20Interface%20Design.pdf>

Document Purpose:

The purpose of the participatory design is to gather information on how users will interact with the application. It is also done to assess the usability of the application.

Target Audience:

University of the Philippines Diliman engineering students, faculty, and other personnel and also people who are assigned in maintaining the fire exits.

Revision Control:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Contribution/Modification</i>
10/15/2018	Hannah Mae Magno	1.0	Initial Document; Added participatory design notes of participant 1 and 3
10/15/2018	Jeremy Jin Qian	1.1	Added participatory design note of participant 2
10/16/2018	Kristine-Clair Lee	1.2	Added sample screens & links; Added summary and prioritization

I . Participatory Design Guide and Protocol

This section provides the instructions on how to conduct a participatory design to assess the usability of the prototypes.

A . Purpose

The purpose of the participatory design is to gather information on how users will interact with the application. It is also done to assess the usability of the application.

B . Target participants

The target participants for the interviews are engineering students and non-engineering students with classes in engineering buildings.

C . Participant's Consent

Participants will sign a consent form to participate in this activity. One copy of the informed consent should be given to the participants, and a second copy should be kept by the team. Participants should be informed that a video recording will be used as data collection.

The participation in this study is completely voluntary, and the participants may refuse to participate or withdraw from the study without penalty or loss of benefits of the group. They may withdraw by informing the team that they no longer wish to participate (no questions will be asked).

D . Data Collection

The participatory design are recorded if agreed by participants, and transcribed verbatim for analysis. The recordings need to be securely stored. The transcription shall not contain information that would allow individuals to be linked to specific statements. Confidentiality will be strictly preserved. Another member of the team may take down notes. The notes will be analyzed later.

E . Schedule of the Participatory Design

The participatory design can last about 10 minutes.

Participant	Date and Time	Venue
Participant 1	October 15, 2018 2:30pm	DCS Building
Participant 2	October 15, 2018 12:30pm	DCS Building
Participant 3	October 16, 2018 11:23am	CS Library

F . Participatory Design Protocol

Welcome and thank you for volunteering to take part in this participatory design. You have been asked to participate as your point of view is important. I realize you are busy and I appreciate your time.

Introduction: This participatory design is being done to help us understand how you will be interacting with our prototype. Please feel free to state what you feel and think about the prototype of our product.

Anonymity: Despite being videotaped, I would like to assure you that the discussion will be anonymous. The transcribed notes of the participatory design will contain no information that would allow individual subjects to be linked to specific statements. You should try to answer and comment as accurately and truthfully as possible.

MaroonPrint is an application to be developed that will allow the users to view blueprints and the public sections of the different Engineering buildings around UP Diliman, and the fire exits or escapes of each building.

The first use case that you will be testing is use case 2.0 which is to view the blueprint. In this use case, the user and the developer gets to view blueprints that are inside the system already. In addition, the user and/or developer can search for specific building's blueprint and/or search for a specific part or area of the building. Second, you will test use case 3.2 which is to add blueprint. In this use case, it talks about the role of the Developer to the development and maintenance of the MaroonPrint application. The Developer's role is to accept the blueprints provided by the Admin. In addition, the Developer can add blueprints.

Conclusion: Of all the things that you mentioned today, what would you say are the most important thing that we (developers) need to keep in mind.

Thank you for participating. This has been a very successful discussion.

Your opinions will be a valuable asset to the study.

We hope you have found the discussion interesting

If there is anything you are unhappy with or wish to complain about, please contact the local PI or speak to me later

II . Participatory Design Notes

Video Transcript:

Participant 1:

(Use Case 2.0 Views Blueprint)

Tapos browse tapos pili ako ng dcs then click tapos pili ng name dapat may image dito na ilalagay hindi lang name next. So, di ako pwede magtype ng name dito kailangan talaga pipili ako? (Interviewer: Oo, wala siyang type sa invision). Add, upload, and ok naman.

(Use Case 3.2 Add Blueprint)

Search then type. Department of Computer Science bakit ahh okay. Ahh so eto ung mga floors. So para bumalik sa home, click eto. Tapos eto, map din to ng Computer Science Pero teka, bakit hindi nalang kapag cinlick ko to bakit eto pa ung lumilitaw bakit hindi nalang eto. Oo nga noh. Kasi parang diba limited din naman ako dito may pipiliin din ako so bakit hindi nalang kunwari tumaas tapos top most ung name. (Interviewer: Pero assume na nagtytype ka dun pero walang type sa invision). So uhm ayun ok naman.

Participant 2 (p2):

(this is from participant 2 view-search)

p2: Ah yes, I type dcs already. I want to search for it (sees the results) oooooh.... DCS (clicks on DCS and sees the blueprint). Ok, and i am guessing this is the plan right?

Interviewer: Yes.

p2: (sees floor 2) Good ah yes, (sees floor 3) wow, look at that. (goes back to floor 2) And then i want to check lecture hall , (sees the description on lecture hall) wow, oooooh very nice, and what about DCS itself? (sees the description on DCS) hmmm... ok, what of the other departments? (sees the list of departments) wow, there are so many, so many.

Interviewer: So what can you say about this app?

p2: It's very nice.

Interviewer: Any other opinion?

P2. That's it.

(this is from participant 2 add)

Interviewer: So we are just have to browse um browse some files to select an image, open it. Then we just to select a building name, department, and then a description about it, we are not going to add that at the moment, and then we just add it, then upload it and then done.

(record stops there. next was the unrecorded part)

Interviewer: So what can you say about it?

p2. It's nice.

Interviewer: Anything else?

p2. Nah, nothing else.

Participant 3:

(Use Case 2.0 Views Blueprint)

Okay naman ung paggamit ng picture (home page) pero mas maganda kung mas malaki ung name ng website kasi medyo maliit ung nasa gilid. Tapos, medyo hindi ko rin gano kabet ung color nito siguro mas light or pwedeng maroon siya tapos color white

(Use Case 3.2 Add Blueprint)

Ayun siguro may mas magandang design kaysa dito like mas mababa tapos hindi gray ung background basta ibang design siguro ayun. Ayun, tapos parang medyo malaki siya parang ayun. Tapos kahit wala na ung gray background kahit text nalang. Pero all in all oks naman.

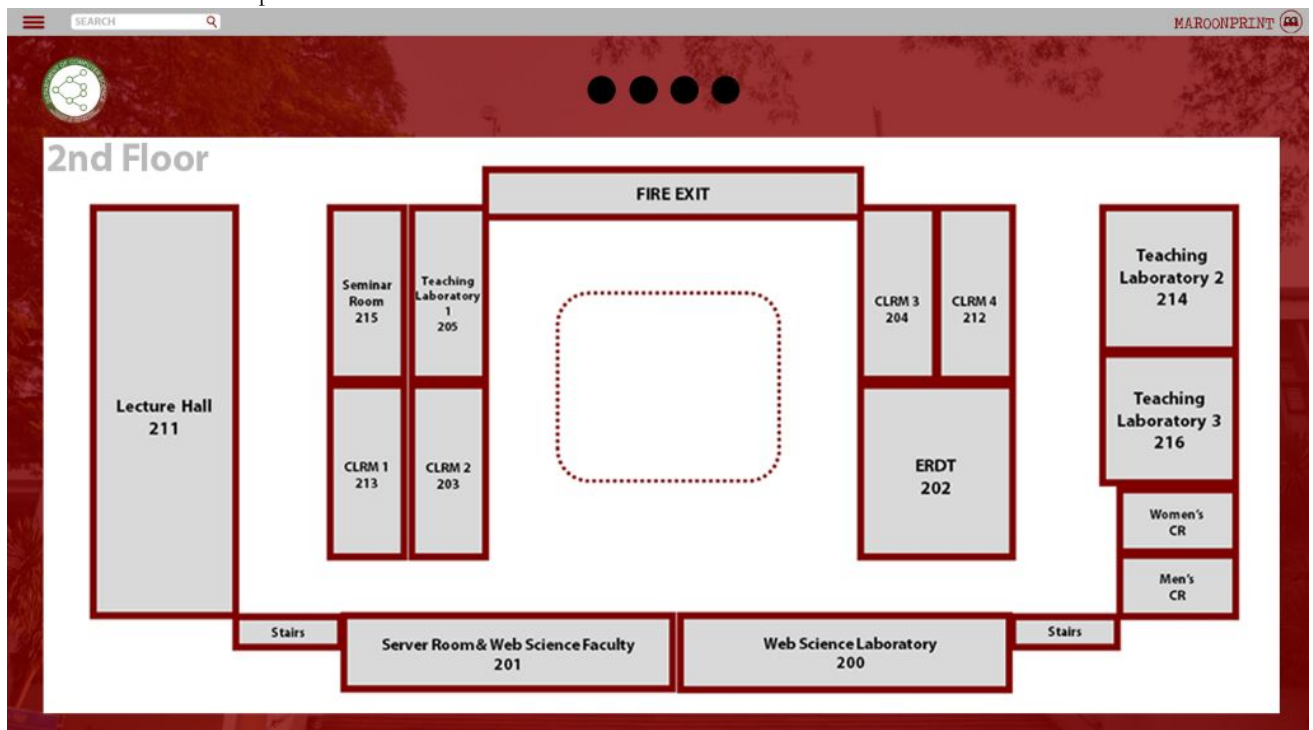
III . Participatory Design Report

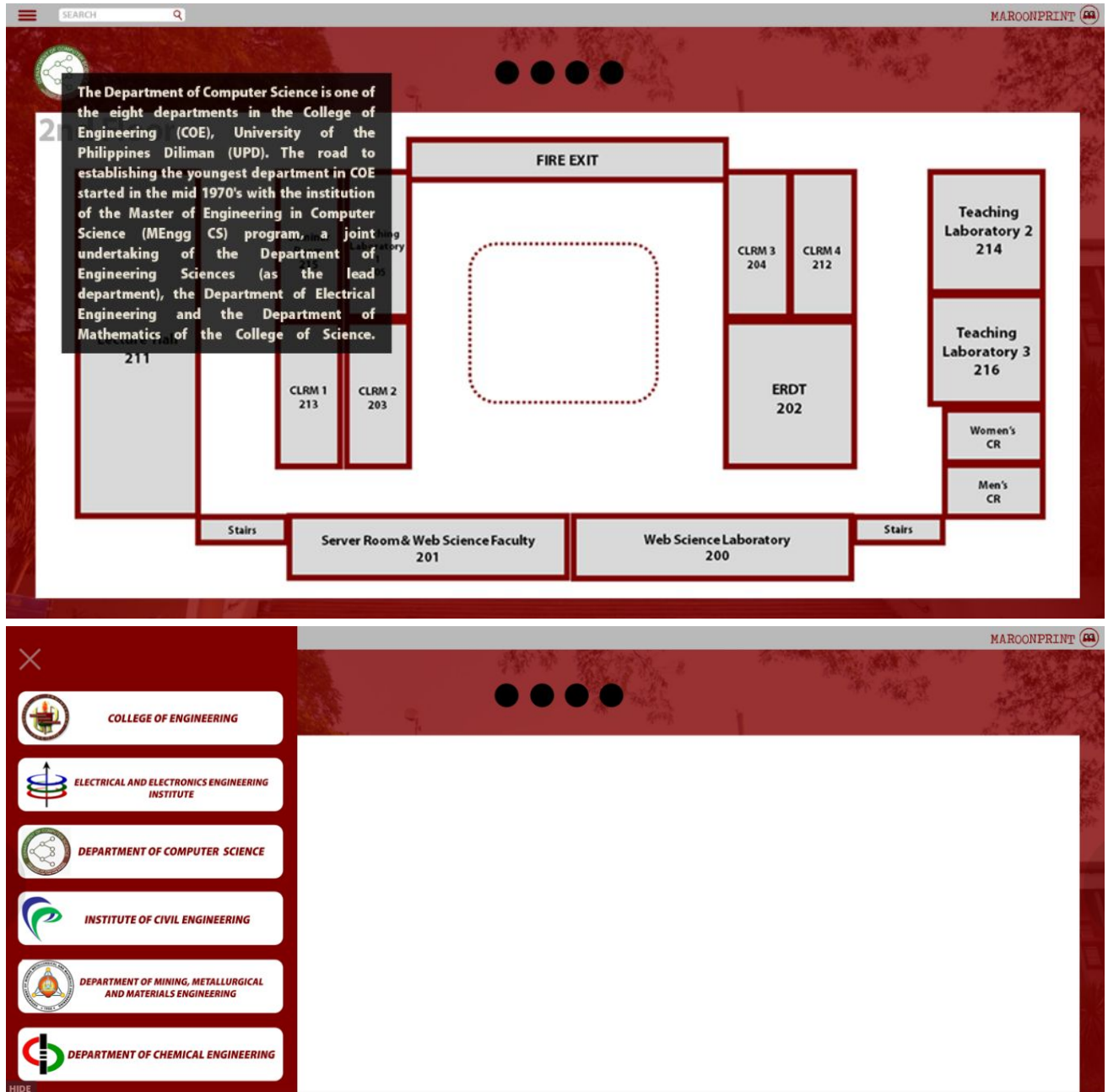
A . Observation Summary and Prioritization

Observation	Prioritization (using MoSCoW)
Floor indicator and bigger space for the blueprint/floorplan	Should have
Image when uploading files (add blueprint)	Must have
Lighter colors or more appropriate and simple colors	Must have

B . Sample Screens of the prototype

Use Case 2.0 Views Blueprint





Use Case 3.2 Add Blueprint

DEVELOPER PANEL

MARONPRINT

ADD

EDIT

DELETE

Building Name


SELECT


Department

SELECT

Description

dcx.jpeg





DEVELOPER PANEL

MARONPRINT

ADD

EDIT

DELETE

Building Name


Engineering Library II


Department

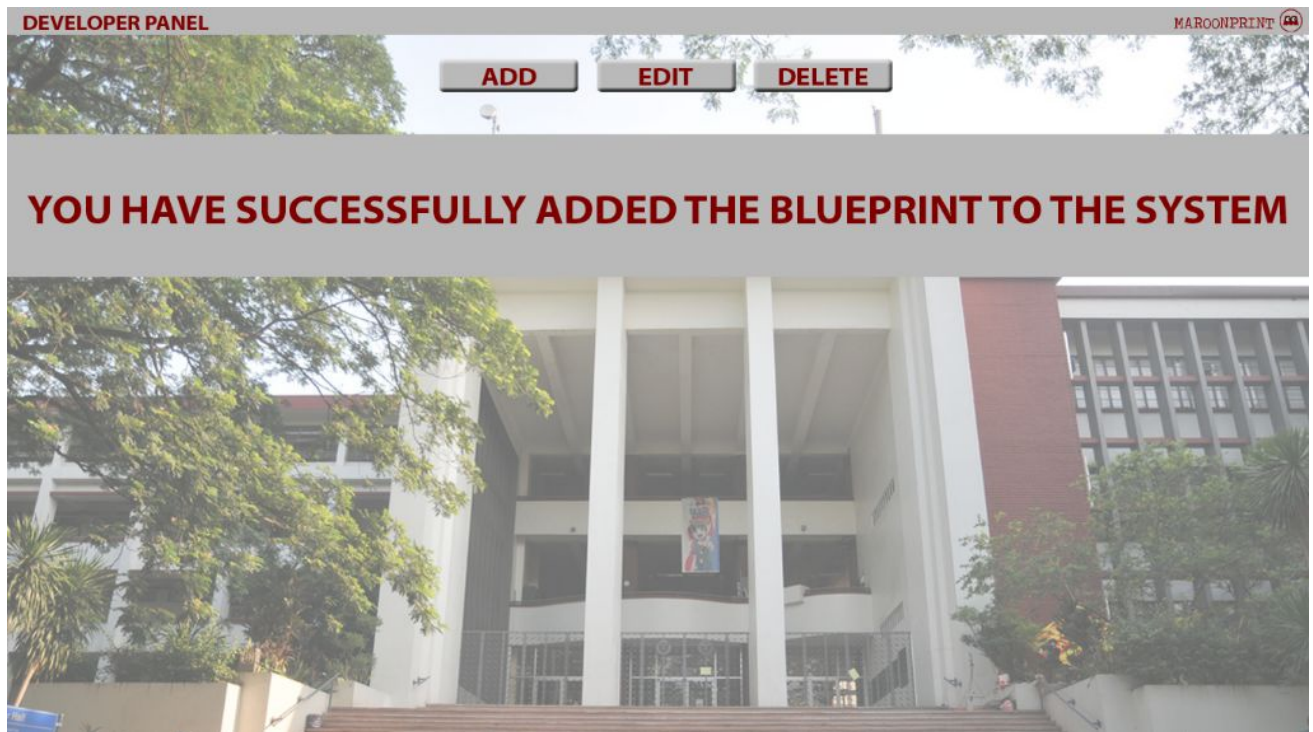
Department of Computer Science

Description

dcx.jpeg







C . InVision Link(s):

Use Case 2.0 Views Blueprint

Link: <https://invis.io/65OFDY1MTGU>

Use Case 3.2 Add Blueprint

Link: <https://invis.io/FK0I7W1P6VX>