Floucapt

Understanding Report

Group A

Synthesis Project 2013-2014

Project management (client)		Dominig ar Foll
Project management (tutor)		Xavier Roirand
Project management	Lead developer	Kevin Renévot
	Communication officer :	Jean Infantino
	Documentation officer :	Thomas Elain
	Test officer :	Antoine Boucher
Date		08/11/13
Version		1.0
Project website		http://redmine.iut-info-vannes.net/projects/flou_capt_a

Summary

I – Project context

Dominig ar Foll, our client, is Senior Software Architect at Intel Open Source Technology Centre. He wish to create a web-cam observation system which would protect people identity by blurring their faces. Such a system would be installable to observe the port in the city of Bono in order to check the port and the boats. It would allow users to check the state of the boats during a storm for example.

II – Project main goals

The project must permit :

- to take a picture every 10~30 seconds (this period will be decided later).

- to detect human faces and blur them in order to protect their identity.
- to transmit them to a webapp.
- to allow the user to visualize the last picture taken by the camera with his computer, smartphone or tab (android/apple).
- to add an advertisement picture sometimes.
- to make the webapp work on most of the web browsers (Google Chrome, Mozilla Firefox, Safari, Internet Explorer) and operating systems (Windows, linux, mac).

And would eventually allow the user :

- to watch a historic of the taken pictures and, in the end, watch them the way he would watch a video.

III –Tools, technics and languages

In order to realize this project, we would need several tools :

• Opensuse : That is the distribution we will use to package the datas.

• Html5 : We will use the HTML5 client to develop the website and the webapp.

• Opencv : We will use its library in order to implement a few functions such as face detection.

• Github : It is the hub we will use for the project.

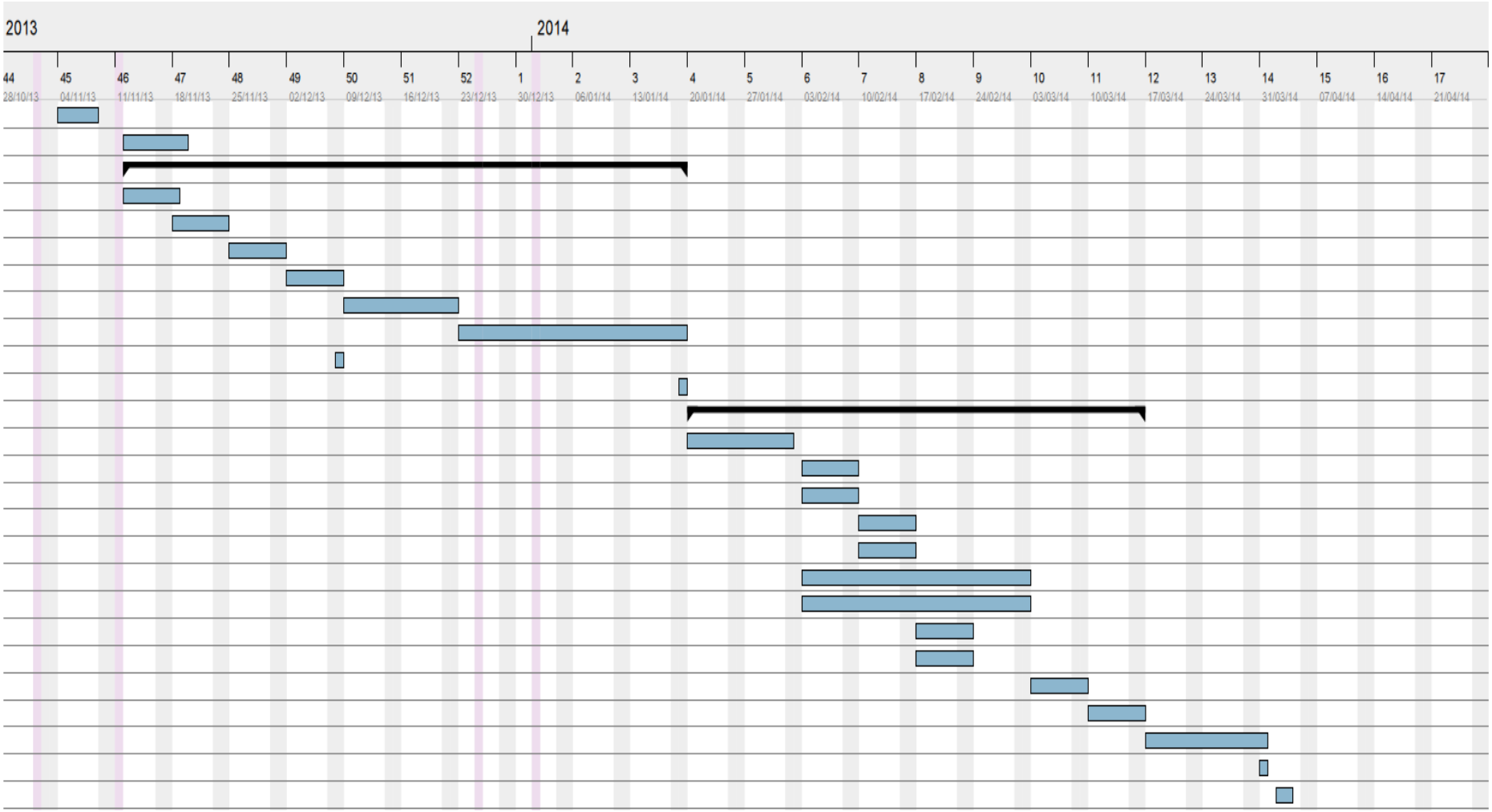
• Redmine : It will help us to organize the group. This website contains documents, the hub, the GANTT (previsional timetable) and some other functions that will help us for the project.

• Mailing list : If we have some questions to ask that involve the project, we will use the mailing list to communicate with the client.

• HTTP : Protocol we will use to transfert pictures from the camera to the webapp client.

IV – Previsional timetable

Name	Start date	End date
Understanding report rendering	04/11/13	08/11/13
Initiation to GitHub and OpenSuse	12/11/13	19/11/13
Conception	12/11/13	19/01/14
Use case diagram	12/11/13	18/11/13
Sequence diagram	18/11/13	24/11/13
Human-computer interaction	25/11/13	01/12/13
Specification report	02/12/13	08/12/13
UML	09/12/13	22/12/13
Conception report	23/12/13	19/01/14
Specification report rendering	08/12/13	08/12/13
Conception report rendering	19/01/14	19/01/14
Development	20/01/14	16/03/14
Packages creation	20/01/14	01/02/14
Camera acquisition	03/02/14	09/02/14
Tests	03/02/14	09/02/14
Face detection and blur	10/02/14	16/02/14
Tests	10/02/14	16/02/14
HTML5 webapp client	03/02/14	02/03/14
Tests	03/02/14	02/03/14
Advertising banner	17/02/14	23/02/14
Tests	17/02/14	23/02/14
Application adaptation	03/03/14	09/03/14
Final report redaction	10/03/14	16/03/14
Project presentation preparation	17/03/14	31/03/14
Final report rendering and software sending	31/03/14	31/03/14
Project presentation	02/04/14	03/04/14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