Floucapt

Specification Report

Group A

Synthesis Project 2013-2014

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	Documentation officer :	Thomas Elain
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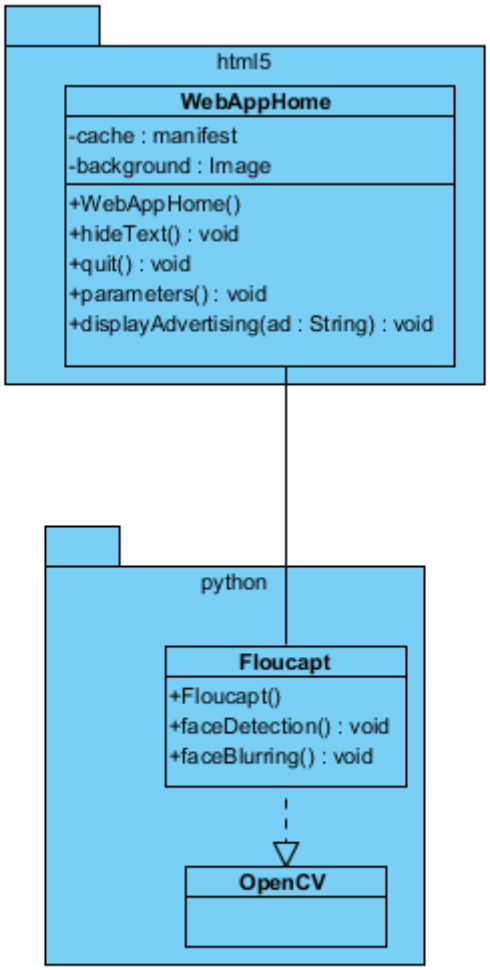
Date		17/01/14
Version		1.0
Project website		http://redmine.iut-info-vannes.net/projects/flou_capt_a

Summary

I – UML diagram



II – API used

The API (Application Programming Interfaces) which will be used is OpenCV to the detection and blur script in Python.

III – Technical choices and algorithms

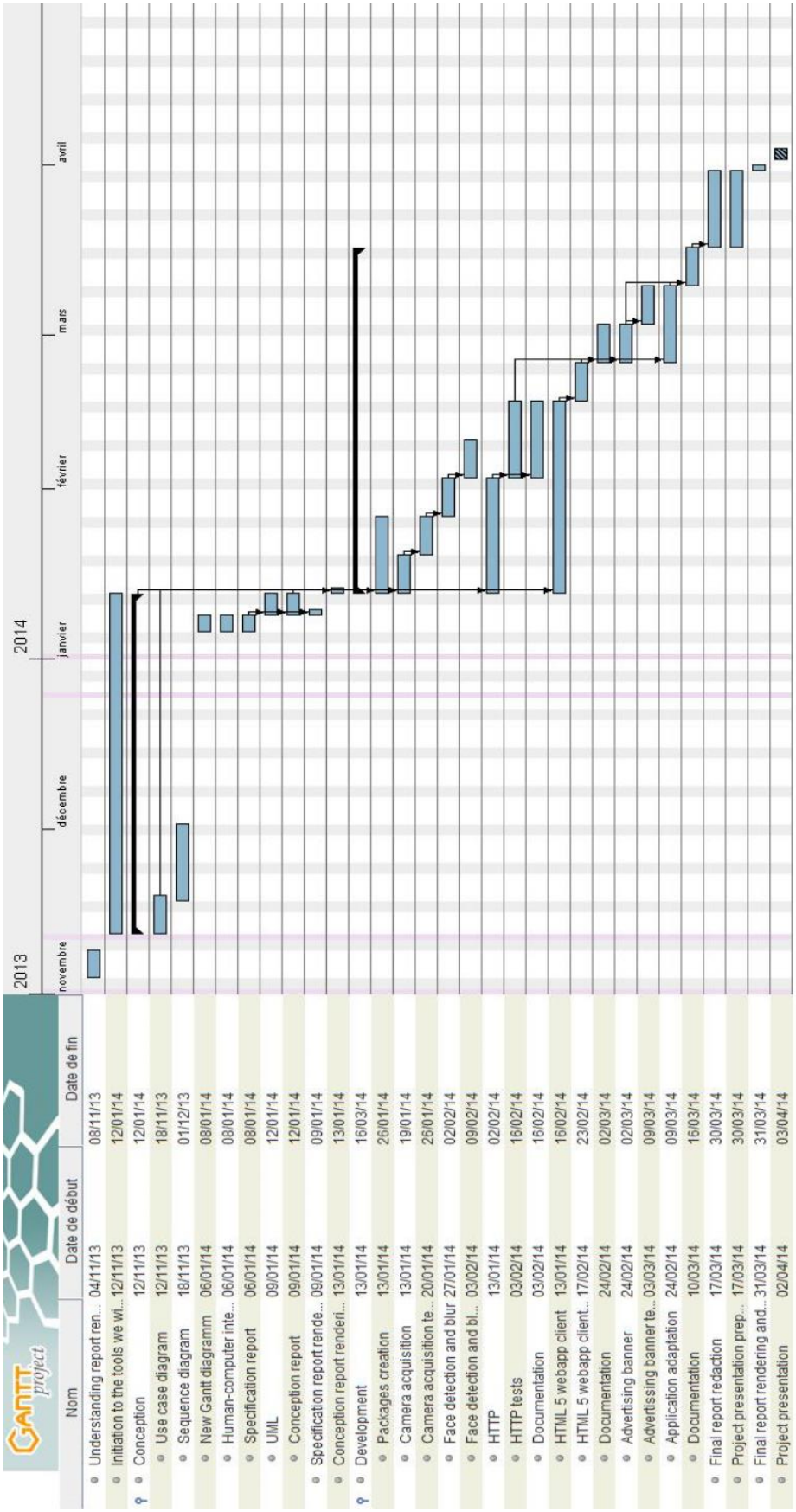
First, the web app send a signal to the camera in order to capture the photo which is afterwards send to the network.

Then the faces are detected and blurred and the photo is sent to the HTML client which will show it up on the browser of the users.

An advertising will show up once every 300 seconds and will stay 15 seconds on the screen (before vanishing).

We have chosen to make the detection and blur features in one script. The images used by the script will be searched in a folder. In this folder, there will be the photos captured by the camera.

IV – Gantt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Date de début
Date de fin
Understanding report ren... 04/11/13 08/11/13
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Conception 12/11/13 12/01/14
Use case diagram 12/11/13 18/11/13
Sequence diagram 18/11/13 01/12/13
New Gantt diagramm 06/01/14 08/01/14
Human-computer inte... 06/01/14 08/01/14
Specification report 06/01/14 08/01/14
UML 09/01/14 12/01/14
Conception report 09/01/14 12/01/14
Specification report rende... 09/01/14 09/01/14
Conception report renderi... 13/01/14 13/01/14
Development 13/01/14 16/03/14
Packages creation 13/01/14 26/01/14
Camera acquisition 13/01/14 19/01/14
Camera acquisition te... 20/01/14 26/01/14
Face detection and blur 27/01/14 02/02/14
Face detection and bl... 03/02/14 09/02/14
HTTP 13/01/14 02/02/14
HTTP tests 03/02/14 16/02/14
Documentation 03/02/14 16/02/14
HTML 5 webapp client 13/01/14 16/02/14
HTML 5 webapp client... 17/02/14 23/02/14
Documentation 24/02/14 02/03/14
Advertising banner 24/02/14 02/03/14
Advertissing banner te... 03/03/14 09/03/14
Application adaptation 24/02/14 09/03/14
Documentation 10/03/14 16/03/14
Final report redaction 17/03/14 30/03/14
Project presentation prep... 17/03/14 30/03/14
Final report rendering and... 31/03/14 31/03/14
Project presentation 02/04/14 03/04/14
2013
novembre
décembre
2014
janvier
février
mars
avril