Rich Web Applications

Assignment 2

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I. Abstract

There are many websites and applications on mobiles that talk about sports, but different languages allow to create dynamic and attractive websites for differentiate than the others. Now it is possible to integrate every features we can find on a website that exists on the web when we use a laptop. In this context, the main goal was to create the second version of the Basketball website performed for the assignment 1.

The NBA is a good way for attracting new visitors on the page (pictures, videos, Tweeter, blog) and then the ITB section gives some features that makes customer spend more time to use it (directions). Jquery and Ajax has been very helpful for doing this project and a many tutorials exist on the web that explain how to use these languages and how they are powerful. Every different API (Youtube, Google Map, …) allow to don't waste time for including functions for a mobile website and make it compatible.

II. Features

I. Main Page

Visitor can choose what section he wants to visit thanks to this menu. We designed the website thanks to the theme roller on Jquery mobile and a picture has been chosen for the background to be more attractive. User can look at the about section with the button "I", if he wants some details about each section.
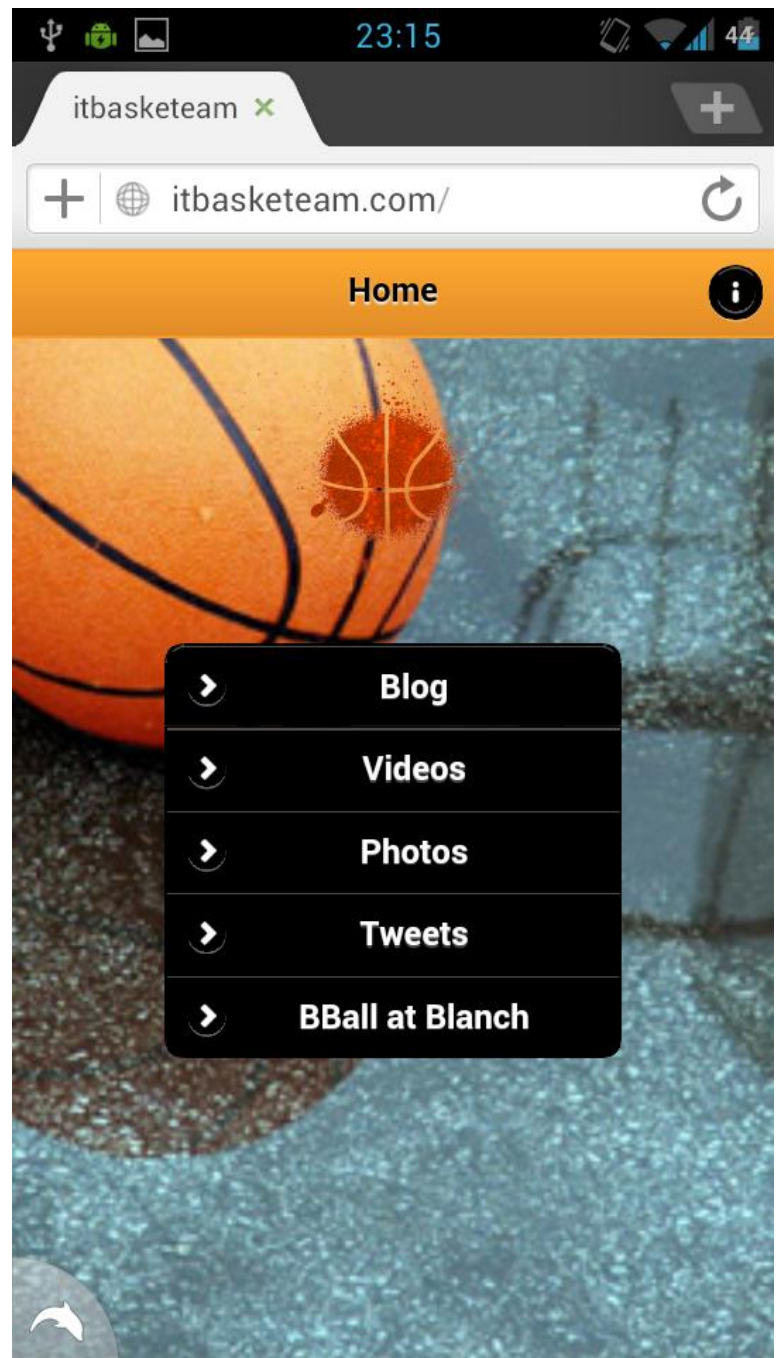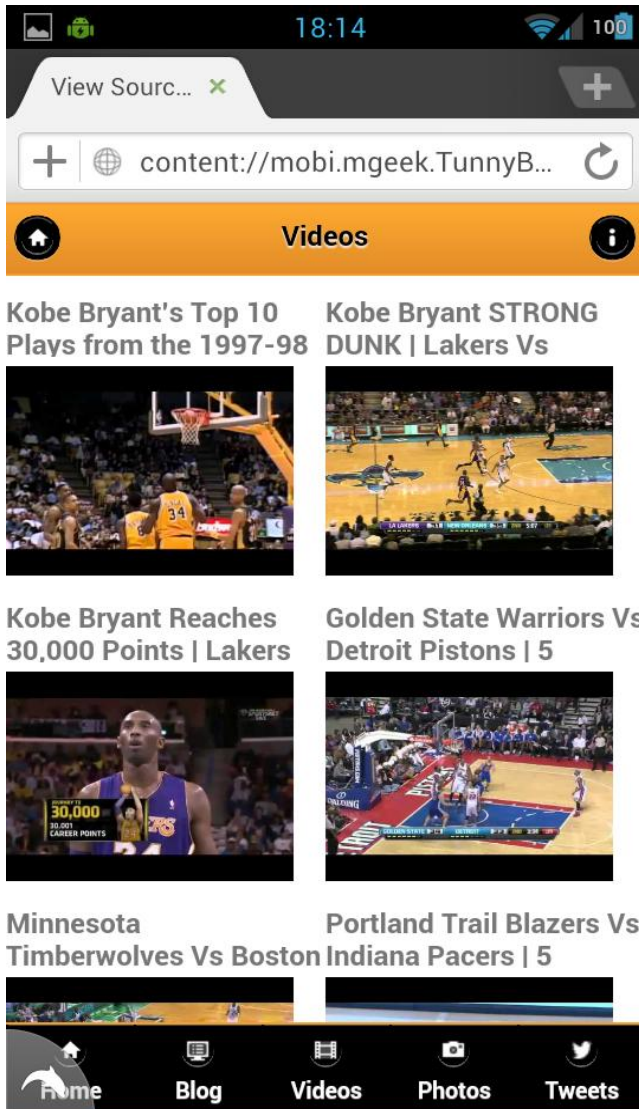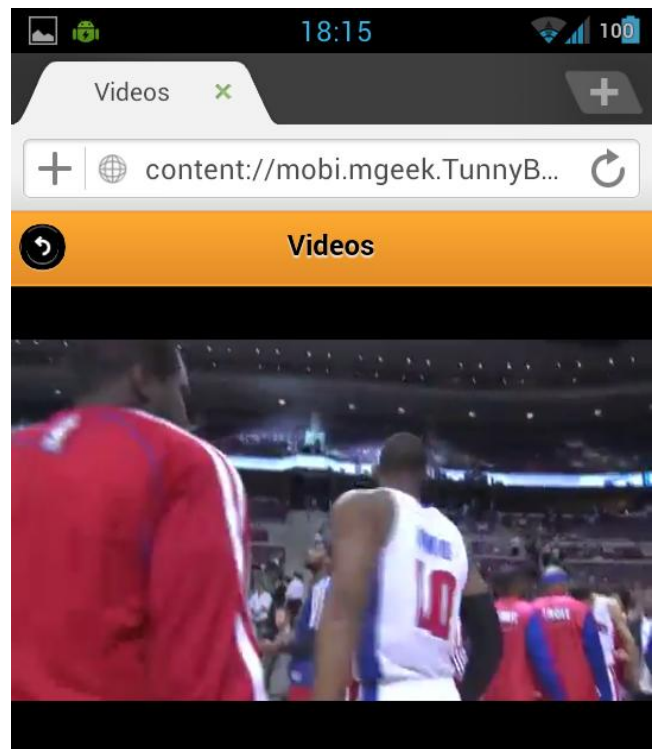
II. Blog

User can see last articles in Blog section (http://itbasketeam.blogspot.ie/). We created the blog at the last minute so there is not many articles. It works but it misses some features and css.

III. Youtube

Video section show to visitors a lists that came from a youtube users page (nbashowtimehd) and gives a daily report of nba games.

Video is displayed on a new page and can be showed in fullscreen mode. There is a description below the video player.

IV. Flickr

This section gives a list of pictures that was found on user page "nba photoshops".

If a picture is selected a new page appears and shows it with a better size.
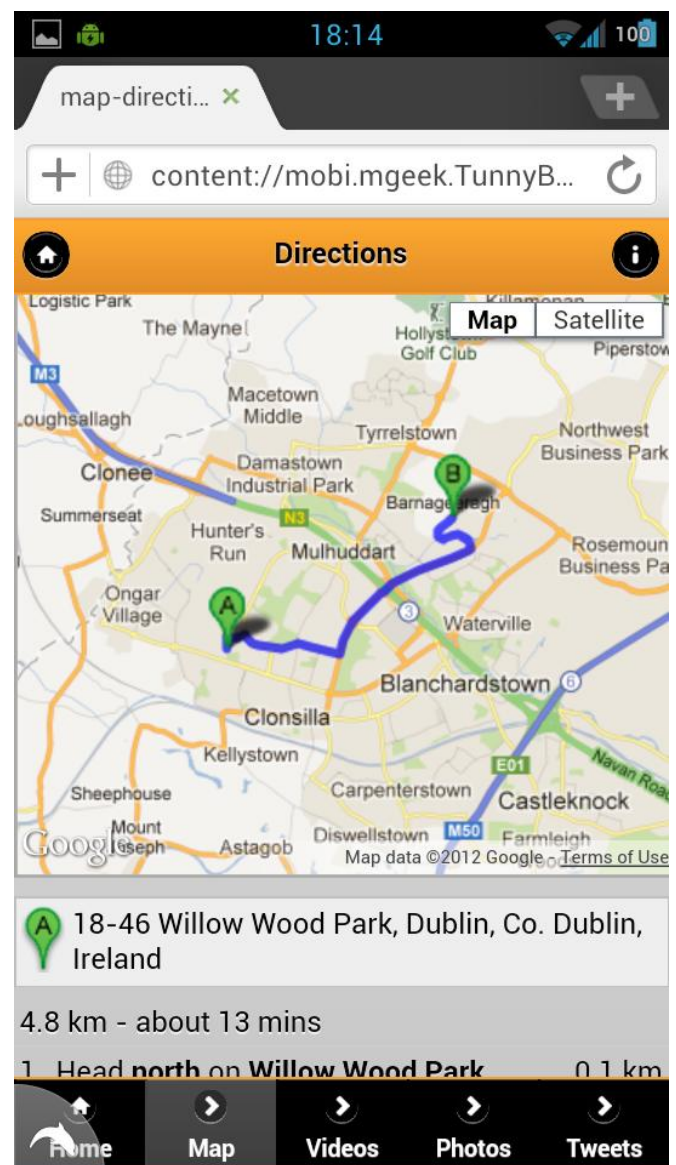
V Google Map
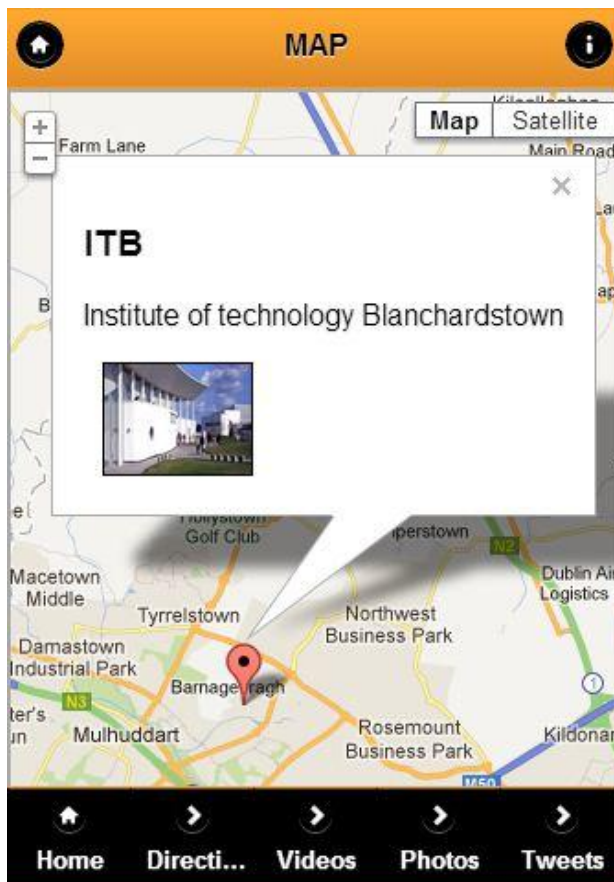
User can look at the map for seeing where Itb is. He can touch the marker for more details about ITB.

When user touch button "Directions", it displays how to go to ITB by car and the directions below the map.
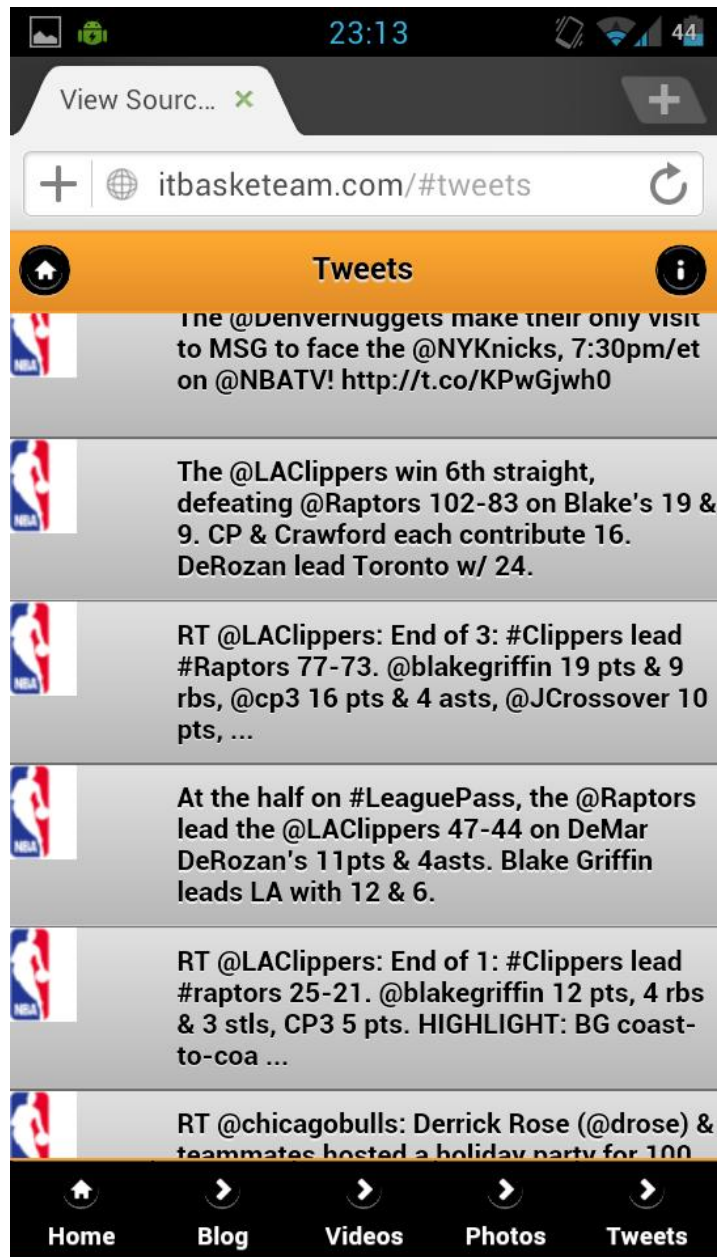
User has to allow the website to geocode the mobile and like this, everywhere in the world he knows how to go for playing basketball at ITB.

VI Tweeter

Thanks to the NBA page, user can see last tweets that talk about scores, players and teams.

III Screen Design

We have chosen this design because we use to prefer dark colors for a website, same preference than for a laptop website. We found this theme on Jquery Mobile and it was the perfect one for the subject: the Basketball. The background picture was friendlier than just one color.

IV Difficulties

We had some compatibilities problem between theme roller and video list. Some pages don't show button icons, caused by the theme roller and we have not been able to fix that (not enough time).

The blog section works but doesn't look like good because we did not have enough time to finish this part.

V References
- Google Map: http://code.google.com/p/jquery-ui-map/
- Google Map Tutorial http://www.mobiledevelopersolutions.com/home/start/twominutetutorials/tmt4part1
- Youtube API: http://gdata.youtube.com/demo/index.html
- Tweeter API: https://dev.twitter.com/docs/api/1/get/statuses/user_timeline
- Blogger: http://www.blogger.com/switch-profile.g?switchProfileSource=3&continue=http://www.blogger.com/home
- Get flickr ID: http://idgettr.com/