

Telenor Survey about smartphones - 3rd project, 2nd semester  
Knord 2012  
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url of my portfolio: <http://web396.webkn.dk/>

url of my survey: <http://web396.webkn.dk/secondsem/project3/>

url of my database: <http://projects.knord.dk/interaction/viewdb.aspx?surveyid=knadme7x>

# IDENTIFY

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## Introduction

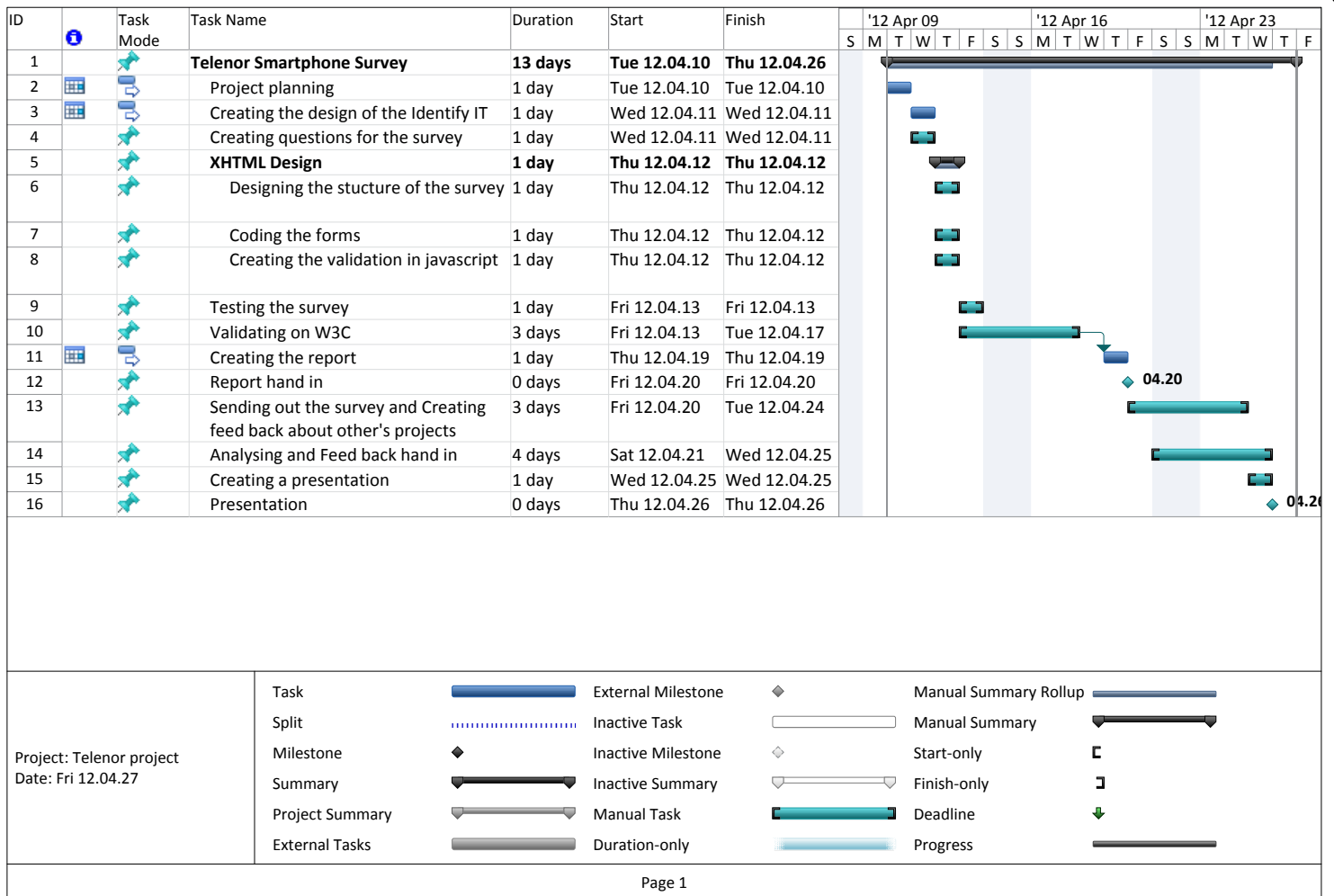
The task in the third project was to use forms in XHTML and to build a survey.

This research was aimed to the people living in Denmark and we wanted to reach some information about their knowledge and use of smartphones to make a better view about the customers of Telenor. We were supposed to use at least three of different html forms by building the questionnaire.

And when we have finished the survey, we had to analyze the result and make a presentation about it

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## Project Plan 'before'



The first step of this project was to make a project plan.

Regarding my plan, I have separated sections like: starting by creating a design for the company I work for: identify IT. Then to figure out the questions and create the survey passing to the image of the customer - Telenor. I wanted to have a simple design, and let the client to focus on the questions. Then came the design and coding the XHTML. I used 3 types of forms for the survey and javascripting for validating to check if the client gives answer for all the questions are needed to be answered.

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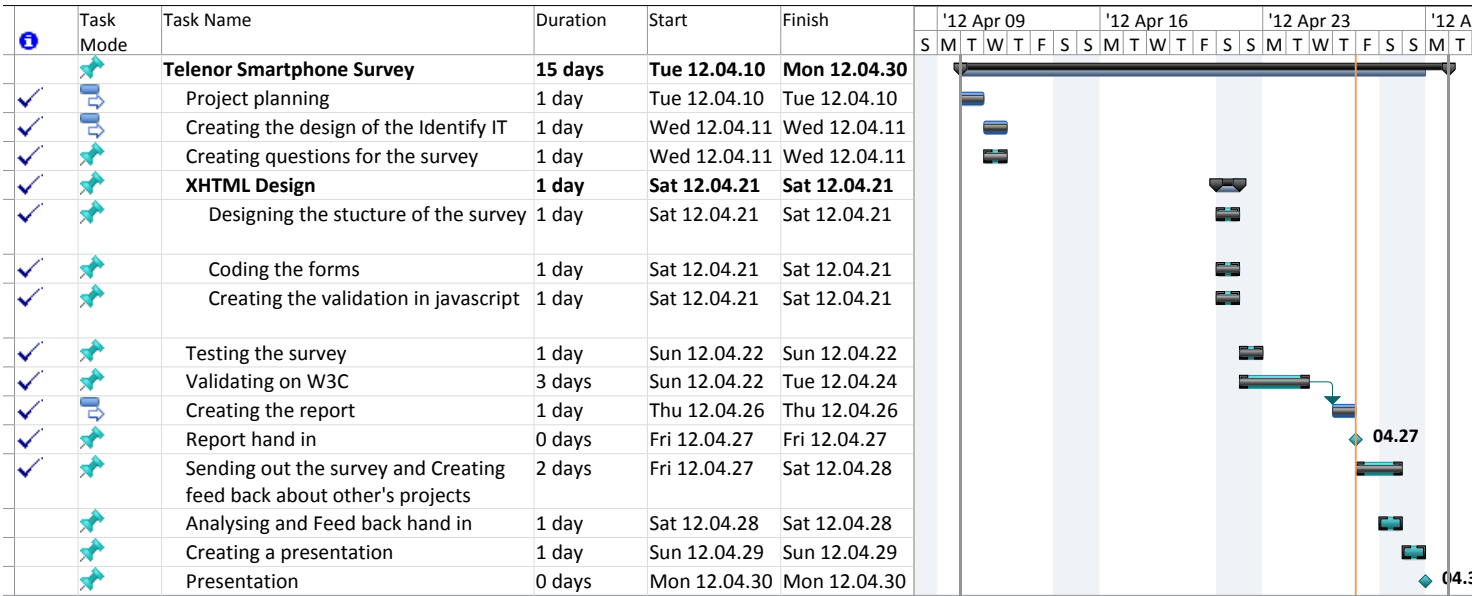
## Project Plan 'after'

As I still needed to listen to the lectures and get the necessary knowledge to be able to begin the XHTML design and there were added some new requirements after the first week, I needed to create a new work plan at the end of the process as you can see below.

I was ready with the first steps, but from the 21th of April I had to work faster then I planned earlier.

I finished the coding pretty fast, even though I was not that experienced using forms or javascript.

The testing the survey and validating came and then the report.



ct: Telenor project Fri 12.04.27	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	
	External Tasks		Duration-only		Progress	

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## Description and justification of user survey questions

At first I had to think it over, what would Telenor like to ask from its clients about smartphones. I decided to ask such questions, which could help to see, which gender, in what age and in which area likes the different brands of smartphones. What is the connection between gender and knowledge or usage of smartphones? It is always a problem by filling out a survey to make the client calm, that it won't take much time, but still we should be able to reach the necessary informations. So I decided to ask 8 questions, which doesn't take much time to answer, but we get the wished informations from the answers.

Here are the questions:

1. **What is your gender?** - this makes the first divided two groups
2. **What is your age?** - here we can see more differences between ages
3. **Where do you live in Denmark?** - after this question, we can see, in which area should we put different kinds of advertising, where more and where less
4. **What is your occupation?** - this is also a great help to see, what kind of workers are interested in which types of smartphones
5. **Which brand of smartphones have you ever used?** - from this we can see, if they have ever met the different kinds of smartphones and if yes, then which are the most popular
6. **Which brand of smartphones do you prefer?** - from this we can see, what is the trend between different genders, ages, and occupations
7. **Where do you or would you use your smartphone the most?** - from this we can see, what kind of applications could we offer them later, regarding where do they use it the most
8. **Which applications of smartphones do you or would you use?** - this helps to see, which apps are used the most and later we can put advertising on these.

## Design: Examples of code - with explanatory comments written in the code

As it was in the requirement, I tried to keep the image of the customer, even though I wanted to make the design really simple. To be simple and clear.

As I also experienced, when there is survey, it is important to let the client know, exactly how much time does it take and how many questions does he have to count with, so I wrote these at the beginning and also gave numbers to the questions.

In the requirement they expected to have 3 different kinds of XHTML forms, so I used these. I chose to use the radio buttons, checkboxes and dropdown menu and I felt these enough to reach the aim. The HTML code had to be also validated.

And in the extra requirement we were supposed to use JavaScript for validating the forms in our survey to make sure, the client answers the necessary questions.

I used it for radio buttons and drop down menus.

Here comes an example of using JavaScript validation for validating radio buttons:

(It makes sure the client answers the question: ['What is your gender?'](#) If not, then comes an alert window ['Please select your gender'](#))

```
// JavaScript
/* validating radio buttons */
function isRadioButtonSelected(radioGrpName, errorMsg){
    var radios = document.getElementsByName(radioGrpName);
    for (var i=0; i<radios.length; i=i+1){
        if (radios[i].checked){
            return true;
        }
    }
    alert(errorMsg);
    return false;
}

/* alert messages */
function validate(){
    if(isRadioButtonSelected('gender', 'Please select your gender')){
        if(isRadioButtonSelected('age', 'Please select your age')){
            return true;
        }
    }
    return false; } "
```

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## Process description - evaluation of the process

This project was the first time I used forms. Earlier I was already trying to use Javascript, but after this project made my knowledge have improved a lot.

At the beginning all my classmate I talked to, we were a bit afraid of this project, but just like it is always like that, as closer we got to the topic, more the fear was gone.

I feel really useful this project as we started to use Javasricpting and I see we have a lot to learn about it yet.

Until now in all the projects, I got mainly the coding, graphical and idea parts, so this was also the first project, where I had to make the whole report alone.

It was new for me to see, how simple the survey seems, but so much coding and knowledge is behind it.

After all I am happy I could finish it alone and proud of myself.