Project Plan

ProP – group ‘J’

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3. ***Current situation***

The client has hired us to develop a system for his music festival that will last 3 days- from Friday to Sunday including. The system has to include a database to store all the information about the event-details of the entrants, how much money have they spent, the number of food and drink left, information about the tents and so on. We need to create a website about the music festival where people can sign up, read more about the event, find some contact info, prices, how to get there and the dates of the event.

Our group also has to create several applications that will be used in various places during the music festival (the entrance, to hire things, to buy food and drinks, to hire tents, an application to keep track of all the visitors’ status and so on.)

1. ***Project leader***

Preslav Gerchev- studies at Fontys Eindhoven with specialty ICT is the project leader.

***The rest of the group are:***

* Blagovest Tsarev - Chairman
* Dimitar Vikentiev – Quality manager
* Stanislav Staev - Secretary/minutes keeper.

1. ***Formal Client***

A company represented by Mr. Emin Thaqi.

1. ***Product***

We have to deliver a working and fully functional website, a database and several applications, designed to ensure a proper organization of the festival, to keep track of important things at any given time.

1. ***Risks –*** 
   * The website- We need to ensure that the site is up and working 24/7 in order to ensure that everyone can register and check for information at any given time.
   * The applications-There is a probability that the applications can crash at some point and we have to make sure there is a maintenance service working 24/7.
   * Hardware problems-Problems with the RFID chip.
   * A database crash-We have to make sure that the database will run properly and will not crash at any given time.
   * Not done in time-There’s a risk that we might not meet the deadline set for our project.
2. ***Constraints –***

The website must be created in HTML, CSS and JQuery.

The database must be designed in Oracle or MySQL.

The applications must be designed in C#/Java/C++.

1. ***Justification –***

Our goal is to create a fully functional system for the music festival which will provide a smooth and unforgettable experience for the visitors.

The system will consist of three main parts: a website, a database and applications.

1. ***Deliverables and non-deliverables-***

***Deliverables-***

* + A fully working and user-friendly website.
  + A well-structured database.
  + User-friendly applications.

1. ***Phasing***

Below you will find a detailed time schedule for the project.

The plan for the 1st block of the 2nd semester is given in details whereas the 2nd block’s time schedule is given in a more general way

*Week 7*

*Week 6*

*Week 5*

*Week 4*

*Week 3*

*Week 2*

*Week 1*

Interview with the client

Planning of the curriculum

Finalize the testing and modifying of the database

Testing/Modifying the database

Finish the implementation of the database

Analyzing and categorizing the data in the database

Starting the implementation of the database

Start the set up document

Division of the tasks/choosing

Finish with the CSS and HTML code for the website

Start with the CSS code for the website

Experimenting with the Jquery and testing the website

Writing the HTML code for the website

Division of tables of the database

Start the project plan

The identification

Write the application for the shops and the application for leaving the event

Designing the application for loaning materials and the application for the camp side website

Assigning fieldnames of the database

Making the design of the application for the Pay Pal terminals and the application that tracks the temporary status

Making an overview of the design of all applications

***M7***

***M1***

***M2***

***M6***

***M5***

***M4***

***M3***

Make the design of entrance event application

Making a sitemap for the website

Creating the tables and the relationships in the database

*Week 8-13*

*Week 18-19*

*Week 14-17*

Presentation of the project.

Testing the applications and making some final changes.

Coding the applications

Modifying the website with PHP (version 2)

Finishing the website (version 3)

Putting together the database, the website and the applications.

Final testing of everything and preparing for the presentation.

***M18-19***

***M14-17***

***M8-13***

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***MOSQUITO***

***1. Money***

Expenses:

***The website***  
Web design: 300 euros.

Coding the website: 450 euros.

Implementation of the website: 150 euros.

Website maintenance: 80 euros per year.

Hosting: 150 euros per year.

***The database***

Database design: 200 euros.  
Database maintenance: 100 euros per year  
Database setup: 50 euros.  
Testing the product: 150 euros.

***The applications***

Designing the applications: 100 euros.

Programming the application: 500 euros.

Testing the product: 100 euros.

Tech Support for all products: 100 euros per year.

***Total : 2000 €***

***+***

***Per year: 430 €***

***Skills***

-Project manager

- Programmer

- Web designer

- Database expert

- Graphic expert

- System manager

- Backup expert

***-Quality:***

1. How can you deliver high quality?

- Must meet the customer requirements.

- Should be quick and user-friendly.

- Must have used the right technology and proper way for them.

- Must work in a variety of devices and browsers.

- Easy to read and understand.

- Easy to modify and maintain.

- Correct behavior in all cases.

- Well tested.

-Well designed.

- Well documented.

- Self-documenting code.

- Well formatted.

2. How do you detect problems?

-Functional test.

- Test the application in various devices and browsers.

- Test of program protection. Programmer is trying to find holes in the application trying to hack to try to find holes in the administration trying to "hack".

***-Time***

*Block 1*

-Interview with the client – 2 days.

-Make the plan – 3 days.

-Calculate the expenses- 1 day.

-Consider the team needed -1 day.

-Division of roles – 1 day.

-Discuss the identification device-1 day.

-Creating an ERD model for the database-2 days.

-Research whether it’s better to use MySQL or Oracle- 1 day.

-Create the database – 6-8 days.

- Testing the database – 1 day.

-Choosing design for the website- 1 day.

-Creating the website in HTML and CSS – 4 days.

-Modifying the website with PHP – 2 days.

-Experimenting with jQuery- 1 day.

-Testing the website on different browsers- 1 day.

-Connecting the database to the website and testing the functionality.-1 day.

-Designing all the applications-4 days.

-Coding the applications-10 days.

-Testing the applications-2 days.

-Connecting the applications to the database and testing the functionality-2 days.

*Block 2*

Week 8-13

Coding the applications

Modifying the website with PHP (version 2)

Week 14-17

Testing the applications and making some final changes.

Finishing the website (version 3)

Putting together the database, the website and the applications.

Final testing of everything and preparing for the presentation

Week 18-19

Presentation of the project.

***ORGANISATION***

The Website

Database Expert

System Manager

Formal Client

Project Leader

Programmers

Database Expert

Web Designer

Tester

C# Expert

Designer Representative

The Applications