

PROCESS REPORT BESTIVAL

SYSTEM FOR BESTIVAL 2017 by ABIO

June 1, 2017

FONTYS HOGESCHOLEN

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# Preface

This document includes information about activities, agreements, problems and challenges, and the solutions encountered for each week. It also includes Appendix A to Appendix E, which are:

* Appendix A: Agendas and Minutes, Action lists
* Appendix B: Project Plan
* Appendix C: Peer-reviews
* Appendix D: Report of the interview to the client
* Appendix E: Hours worked overview per group member

# Plans per week

## Block 3

Week 1

Planned activities:

* Discuss project plan
* Have a meeting with the client

Performed activities:

* Discussion with client
* Discussion with teacher

Completed activities:

* Kick-off meeting

|  |  |  |
| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Meeting with the client | 10 |
| Obaida Bulbul | Meeting with the client | 10 |
| Bthari Ayeisha | Meeting with the client | 10 |
| Ibrahim Idiken | Meeting with the client | 10 |

Week 2

Planned activities:

* Have a meeting with the client

Performed activities:

* Breaking down the requirements and discuss it with the client
* Asking questions to the client
* Design ERD
* Start making project plan

Agreements:

* The event accommodates 2000 people
* The event has 500 camping spots available
* Maximum 6 people for each camping spot
* Minimum amount in visitors’ bank account is 30 euros
* The visitors must pay the ticket on time

Problems and Challenges:

* What should we display in the website?
* Who can write comments in feedback page?

Solutions and decisions:

* We should display the information about the event in general, the details of the camping spot and how to book, the price for the tickets
* Only users who have accounts can give feedback.

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| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Discuss with the client. Start making the project plan Design the shop application. | 25 |
| Obaida Bulbul | Start making the project plan. Design home, news, areas, contact us and part of feedback pages.  Discuss with the client. | 35 |
| Bthari Ayeisha | Design the content of the website (home, areas, contact us).  Start making the project plan  Discuss with the client. | 26 |
| Ibrahim Idiken | Design ERD.  Start making the project plan.  Discuss with the client. | 22 |

Week 3

Planned activities:

* Have a meeting with the client

Performed activities:

* Discuss with the clients regarding the requirements for the event and the website
* Asking questions to the client
* Start making the setup document

Completed activities:

* The visual design of some pages of the website.

Agreements:

* The client has unlimited resources for the budget
* Employee should be able to log in with their unique id number.
* Possibility to change the owner of the tickets.
* Applications should be runnable on Windows 10 Tablet.
* The tickets belong to one person (for group tickets, each person should provide their names)
* Remainder email one day before the event starts (including the general information about the event)
* Laptops should be in every tent
* For all the tickets at the venue, it will be 10 euro more expensive
* It is not possible to refund the tickets
* User manual for the applications

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| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Working on Project Plan and Setup document version 2.  Design application for the stand.  Design application (Shop / Stand) and merge (Shop, Stand Loan, and Stand Return). | 37 |
| Obaida Bulbul | Design tickets page.  Working on Project Plan and Setup document version 2. | 30 |
| Bthari Ayeisha | Design the content inside ticket page.  Working on Project Plan and Setup document version 2. | 22 |
| Ibrahim Idiken | Working on Project Plan and Setup document version 2  Finished first ERD version. | 22 |

Week 4

Planned activities:

* Have a meeting with client and teacher

Performed activities:

* Asking questions to the client regarding unclear requirements

Completed activities:

* Name and logo of the festival
* Requirements
* Current situation and Problem description
* Structure of MoSCow
* Project Plan

Agreements:

* PC-doctor services for repairing visitors’ laptops
* The visitors must prepare their own mattress or sleeping bag for camping
* 4 people for each camping spot
* Minimum age for participating the event is 18
* Sell 2000 tickets on the website

Problems and Challenges:

* Add rule to each team members
* Consistency of the document

Solutions and decisions:

* Have meeting only with the members of the team to discuss about the rule for each member and to be more concerned with the consistency of the document

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| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Finished project plan.  Working on the setup document version 3.  Design the logo and add it to the application.  Design applications for check status in the camp spot, and for the entrance to do check-in and checkout. | 40 |
| Obaida Bulbul | Design Login, Account pages.  Finished project plan.  Working on the setup document version 3. | 30 |
| Bthari Ayeisha | Working on setup document version 3.  Finished project plan.  Design the button for the Login and Account page. | 35 |
| Ibrahim Idiken | Finished project plan.  Working on setup document version 3.  Working on second version ERD based on teacher feedback.  Alter shop and Loan interface based on client feedback | 20 |

Week 5

Planned activities:

* Have a meeting with client and teacher

Performed activities:

* Asking questions to the client regarding the applications and the requirements to put in the setup document

Completed activities:

* PayPal database added to the deliverables
* Current situation updated
* Changed Table of Contents (“Our team members”) part
* Structured Project risks
* Added Final presentation to the deploy
* Changed weeks duration to work hours

Agreements:

* Applications need simple input (using ID number) and fast working
* Application for camping spot must show camp. spot number, number of visitors in the camping spot, and the details about the visitors (names and ID number)

|  |  |  |
| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Working on the setup document version 4.  Design application for register new customers for the entrance.  Design application and merge application (Membership Manage), it contains members, shops, and stands as tabs.  Design application and merge application (Entrance), it contains Check In, Checkout, New Registration as tabs. | 30 |
| Obaida Bulbul | Design feedback page.  Working on the setup document version 4. | 20 |
| Bthari Ayeisha | Working on setup document version 4.  Finishing the content of the page. | 25 |
| Ibrahim Idiken | Build database version 1.  Working on setup document version 4.  Deliver database version 1.  Deliver setup document version 5. | 25 |

Week 6

Planned activities:

* Have a meeting with client and teacher

Performed activities:

* Asking questions to the client and the teacher regarding Setup Document, website, and the event itself
* Revision from the teacher about the setup document

Completed activities:

* Updated the title of the setup document
* Added final presentation to the deliverables

Problems and Challenges:

* Process part in the setup document

Solutions and decisions:

* Add to the process all the possible situation can the visitors have when they buy the ticket from the website and how is the website going to handle it, also the situation and the processors can the employee have when he/she is using the application.

|  |  |  |
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| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Finishing setup document last version.  Working on the applications design. | 30 |
| Obaida Bulbul | Design Forget password and change personal information and logout pages.  Finishing setup document last version. | 30 |
| Bthari Ayeisha | Finishing setup document last version.  Design the line-up page. | 30 |
| Ibrahim Idiken | Alter database version 2 based on feedback.  Finishing setup document last version. | 27 |

Week 7

Planned activities:

* Discussion about the final setup document

Performed activities:

* Discussing about the final version of setup document with the members and the teacher

Completed activities:

* Setup-document

|  |  |  |
| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Checking the last version of the setup document. | 15 |
| Obaida Bulbul | Design PayPal page.  General improvement.  Checking the last version of setup document. | 25 |
| Bthari Ayeisha | General improvement.  Finishing the content of the website.  Checking the last version of setup document. | 25 |
| Ibrahim Idiken | Deliver last database version.  Insert data into database.  Upload database to Iris server.  Deliver setup document last version. | 27 |

Week 8

\*Exam week

Performed activities:

* Feedback about project plan and the teacher is giving brief explanations about the schedule for the next meeting in the next block.

## 

## Block 4

Week 11

Performed activities:

* The teacher is giving feedback to each member regarding the peer-assessment.

Week 12

Planned activities:

* Discussion with the group members

Performed activities:

* Continue doing the applications

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| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Start working on the applications code: Shop and Stand tabs. | 40 |
| Obaida Bulbul | Create login, logout, feedback pages functionality. | 40 |
| Bthari Ayeisha | Implementing Login Page for Entrance Camping. | 33 |
| Ibrahim Idiken | Linked database with applications.  Creating classes.  Start working on application requirements. | 30 |

Week 13

Planned activities:

* Have a meeting with teacher

Performed activities:

* Asking questions to the teacher regarding the solutions of the specific applications.
* Start doing Process Report

Agreements:

* Using the type of DateTime in the database and in the C# applications

Problems and Challenges:

* Return string in C# always show the time which is not needed to show

Solutions and decisions:

* We need to change the type of dof (date of birth) as a DateTime, and in the method we only need to type what kind of information that we want to be displayed in the applications like (dof.Day , dof.Month, dof.Year)

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| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Continue working on the applications code (Shop/Stand) and Inventory tab. | 35 |
| Obaida Bulbul | Working on forget password and change personal information functionality. | 30 |
| Bthari Ayeisha | Continue working on Login tab for the employees in the Entrance Camping application.  Start making process report. | 32 |
| Ibrahim Idiken | Continue working on Check In tab and Check Out tab.  Implementing methods.  Testing database. | 30 |

Week 14

Planned activities:

* Have a meeting with teacher

Performed activities:

* Asking questions to the teacher regarding Manage Application (tabs for shop and stand) and Process Report (Appendix A)

Problems and Challenges:

* For shop and stand tabs, we won’t display the products in those tabs. We want to make another tab only for products

Solutions and decisions made:

* We make another tab called ‘Inventory’ which contains all the products, and in the shop and stand tabs, those tabs only contain the list of the shop and stand
* In the database, we merged shop and stand table into one table called ‘Shops’. Also, ‘loan\_order\_has\_products’ and ‘product\_has\_order’ into ‘orderdetails’, and ‘shop\_orders’ and ‘loan\_orders’ into ‘order’.

|  |  |  |
| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Change the structure and the design of the database.  Management application, add tabs (inventory and product), implement tabs code (Customer, Shop, Stand, Return and Inventory). | 40 |
| Obaida Bulbul | Working on Ticket page functionality. | 37 |
| Bthari Ayeisha | Start implementing the form page for Entrance Camping.  Continue doing the process report. | 35 |
| Ibrahim Idiken | Finished first two tabs.  Start working on new registration tab.  Implementing methods and logic. | 35 |

Week 15

Planned activities:

* Discussion about Process Report (Agreements)
* PayPal
* QR Code

Performed activities:

* Continue doing Process Report
* Continue doing Entrance Application (Check IN and Check Out)

Problems and Challenges:

* In the PayPal page, there’s number in front of the amount of money. We thought it’s transaction number and if it is, we don’t know who owns the money.

Solutions and decisions:

* It is not transaction number, but it is reservation number of the customers.

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| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Implement code for login forms.  Management application, add tabs (inventory and product), implement tabs code (Product, Inventory). | 45 |
| Obaida Bulbul | Working on Ticket page functionality | 45 |
| Bthari Ayeisha | Continue doing the process report and the application | 35 |
| Ibrahim Idiken | Continue working on registration tab.  Add more functionality to Check In and Check Out based on client feedback. | 37 |

Week 16

Planned activities:

* Have a meeting with client and teacher

Performed activities:

* Asking questions to the teacher and client
* Client see the overview of the applications and the website

Problems and Challenges:

* PDF generated
* Make email as unique
* Fix debug
* Finish PayPal applications
* The client wants the application (EntanceCamping) to display if the people has camping spot or not.

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| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Improve and fix code to fit the new database design.  Continue coding for the other tabs in Management application: Inventory and statistic. | 40 |
| Obaida Bulbul | Fix bugs & create admin panel | 30 |
| Bthari Ayeisha | Changing the applications based on client wants  Continue doing the process report | 30 |
| Ibrahim Idiken | Finished all 3 tabs.  Start working on PayPal applications. | 30 |

Week 17

Planned activities:

* Have a meeting with the teacher
* Discussion with group members and teacher

Performed activities:

* Teacher is giving feedback regarding Process Report
* Continue doing Process Report

Completed activities:

* Technically most of the applications completed, only for the design.

|  |  |  |
| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Continue coding and improve code.  Start testing and fix bugs. | 35 |
| Obaida Bulbul | Performance testing. | 20 |
| Bthari Ayeisha | Testing applications by using scanner to scan the barcode.  Discussing process report with other group members.  Finishing process report. | 27 |
| Ibrahim Idiken | Finished both apps.  Adding more features to the both apps.  Barcode scanner.  Generate PDF ticket with QR code.  Replacing QR by Barcode (ISSD has no scanner).  Testing barcode.  Sending mail with PDF ticket | 40 |

Week 18

Performed activities:

* Demo presentation in front of the client

Completed activities:

* Applications and websites

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| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Testing and fix bugs. | 30 |
| Obaida Bulbul | Testing. | 15 |
| Bthari Ayeisha | Testing.  Discussing process report with other group members.  Continue doing process report. | 20 |
| Ibrahim Idiken | Testing.  Preparing for the final presentation. | 20 |

Week 19

Performed activities:

* Final Presentation

Completed activities:

* Applications, websites, and process report.

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| --- | --- | --- |
| **Name** | **Activities** | **Hours spent** |
| Ali Alalao | Presentation | 4m |
| Obaida Bulbul | Presentation | 4m |
| Bthari Ayeisha | Presentation | 4m |
| Ibrahim Idiken | Presentation | 4m |

## Individual Reflection

**Bthari**

First of all, I have learned so many things from this project. I learned how to make a good team-work with people from different countries and to be prepared in the future when I am going to have a “real” meeting with the client. Not only that, but also I improved my C# skills by doing the applications. Personally, it is a good project. Why? Besides this is one of the biggest project from Fontys so far and we learned so many things from this project, I also have a really kind and talented members in my group so it makes us to do this project easily and this project becomes my wake-up call to not come late to the meeting. Even though at first it is pretty hard to communicate with each other, because we still need to adapt, but time flies and now we are becoming a very great team.

Since now I have learned so many new things from this project like I said before, I will improve my skills more for the next project and contributes more. I will be more professional for the next project.

**Obaida**

I really like this project because I’ve worked on things that I love (Websites), it was a challenge for me because I haven't worked with PHP before this project. It was my first time. I have some experience in front-end languages but after this project I can say that now I can make a fully functional website front-end back-end. I have improved my skills and I’ve learned many new things like PHP, JavaScript, Ajax and some new techniques. Also, I’ve learned how to work with a team members from different countries and different cultures.

This project prepared me to work on real projects, so now I can start working on my own project.

It was a great experience for me and I’ve enjoyed working on it☺.

**Ibrahim**

During my first year at Fontys I have grown and learned more than what I anticipated, all the knowledge I gained from the first two semesters Prop project was the key to combine all this knowledge into one scoop. This merge of all hard skills I gained gave me a big image how all this different subject I took can be used together to develop a project.

Working on Prop project taught me how courses such as Database and programming C# and Web1 can be used in real life project away from just course assignments. While working on Prop I learned that there are so many ways to solve a real-life problem but choosing the right one was the difficult part, each solution has its own advantages and disadvantage also may have impacts on other solution that I have done on my project, however by searching on web and talking to teachers helped me a lot to implement the right solution.

Acknowledging mistakes also was an important part of this experience along with being open to alter my code each time I have feedback from a fellow student. Being part of a group taught me how to communicate and how to deal with conflicts to achieve our tasks. I know that my ability to write and express my ideas, thoughts and knowledge has grown stronger each semester. I have always struggled to put my thoughts into code in a manner that is coherent and correct according to requirement. Working on group enhance the way I put my thoughts into code.

I have learned how to write better code different forms for instance SQL, C#, PHP. I feel confident that I could write a code about almost anything along with creating a better user interface due to the feedback I got from my mentor.

To sum up, PROP has been a useful project to gather all the knowledge I have gained and used it to fix a real-life problem. This project has a big impact on my both skills hard and soft skills.

**Ali**

For this block, I implement the apps, (Bestival Shop And Bestival Management)

First of all, I started this project with willing to not working on database because off I wasn’t enjoy working on it. I was enjoying coding C# without understand the important of database.

Now in the end of this project I appreciate all what happen there, because I sow how it important to understand the database very well and know things I didn’t pay attention for thinking it’s boring section. I studied and learned deferent section on database and I used it to improve the application I was working on.

Also, I my C# coding Skiles improve very well, I learn new things which I found them so important in this section.

I wish I had more time to complete improving and organize the applications I created. But because of the limited time we had for this project I couldn’t organize everything as I learned in this block. I implement with good organize part but the time doesn’t allow me to back to the code I wrote and change, that will take more time.

I was enjoying writing C# code, today I enjoy that more with adding to it the knowledge I got for database during this block.

Regarding the team work, personally I prefer working such a program individually.

But although during this period the team work was nice and enjoyed, which offer new ideas and new opinion for doing things. By team working we can give and get experience from each other. Also, it was nice to work with people from deferent countries with deferent background.

Last thing, I appreciate the loads of feedback we received from Roxana, which was big motivation to search and learn new features.

It was so nice period, I learned a lot of things and it was motivation period also.

**Part of what I have learn and use in my code:**

**For faster queries search**

The search in my application was done by looking for integer IDs, which performance will be better, and the database will be closer to being normalized although integers will take less memory when we index them. That true in our apps we will not see the deferent because of the difference will be negligible. But using integer in huge amount of data will make a deferent.

**Improve Database Performants**I merged tables (Shops and Stand) into one table called (Shop), (Products\_has\_Order and LoanOrders\_has\_Products) into one table called (order\_details), (ShopsOrders and LoanOrders) into one table called (Order)

and use column () as indicator to recognize between types.

That help for query optimization for faster query prosses

e.g. In Statistics tab in order to get shops profit we can simple get it by one simple query Unlike using two tables where we need to make query from two different tables and then sum those two results to get event profit which will result in low query performance with huge amount of data.

**Data Accuracy**

For historical data, e.g. in order to get all the customers loan orders when they made it and when they did return it. we used column **order\_type** as indicator to recognize that type of orders, with the old structure we don’t have the ability to get that report because we were using return date = null as indicator for return product, so will lose the return date from our data.

**Audit Table**

I created **customers\_deleted** table to backup deleted records from table customers, which will help in case deleted customer accidently or to check history from deleted customer.

**Triger**

* (Before\_Customer\_Delete) History for deleted customer records, to keep information of customers after delete.
* (Quantity\_Check) Change product status to sold-out or to In-Shop automatically to keep the employee tracking with the product status.
* (Order\_Detalis\_Trans) Transaction order details, that help us to track the order in case it returned particularly.

**FUNCTION and PROCEDURE**

Using functions and procedures in the database to make data process faster and I find it more organized and it is easier to process data within the database.

**And there are more in the code and the database.**

# Appendix A

## Agendas

**Wednesday, 10 May 2017**

Chairman: Bthari Ayeisha

Minute taker: Ibrahim Idiken

\*For this meeting, we don’t have any specific questions.

**Wednesday, 17 May 2017**

Chairman: Ali Alalao

Minute taker: Obaida

Questions:

* Does it allow if we use datagrid instead of database class that can be used to extent the code(DataHelper.cs)?
* Return string in C# is not working
* Using event for booking camping and sending email

**Wednesday, 24 May 2017**

Chairman: Obaida

Minute taker: Ali

Questions:

* Tabs (shop and stand) in Manage application
* Process report (Appendix A)

**Wednesday, 31 May 2017**

Chairman: Bthari

Minute taker: Ibrahim

Questions:

* Agreements in process Report
* Remaining email
* QR code
* PayPal application

**Wednesday, 7 June 2017**

Chairman: Ibrahim

Minute taker: Bthari

Questions:

* Discuss about Process Report and ask for feedback
* Paypal structure (is it possible if we can change it?)

**Monday, 12 June 2017**

Chairman: Bthari

Minute taker: Ibrahim

Questions:

* Discuss about Process Report and ask for feedback

## Minutes

**Friday, 17 February 2017**

Ali as a Chairman

Bthari as a Minute Taker

Duration: 45 minutes

Client

* Minimum amount in visitors’ bank account is 30 euros
* The visitors have to pay the tickets on time
* Tickets are selling both on the website and at the venue (with higher price)

Requirements for the website and the event

* Information in general (What is the event about)
* Camping (only for the visitors who already bought the ticket, max. 6 people for one spot)
* Price for the tickets
* Column for feedback (only for people who came to the event)
* Accommodate 2000 people
* 500 camping spots available

**Wednesday, 22 February 2017**

Ibrahim as a Chairman

Obaida as a Minute Taker

Duration: 45 minutes

Client

* The client has unlimited resources for the budget.
* Employee should be able to log in with their unique id number.
* Possibility to change the owner of the tickets.
* Applications should be runnable on Windows 10 Tablet.
* The tickets belong to one person (for group tickets, each person should provide their names)
* Remainder email one day before the event starts (including the general information about the event)
* Laptops should be in every tent
* For all the tickets at the venue, it will be 10 euro more expensive
* It is not possible to refund the tickets
* User manual for the applications

Next meeting:

* Set the name and the logo of the festival (Be creative!)
* Requirements
* Current situation and Problem description need to be more specific
* English as a main language (International Event)
* Set-up document should be delivered at the end of this block (M2 / Week9 or Week10)
* Remove Communication plan
* Introduction/Preface should be at the first of the page
* MoSCow (change the column to row)
* Design for a database should be in the final deliverables

**Wednesday, 08 March 2017**

Bthari as a Chairman

Ibrahim as a Minute Taker

Duration: 45 minutes

Clients:

* PC-doctor services for repairing visitors’ laptops
* Minimum deposit 30 euro (during the event)
* The visitors should prepare their own mattress or sleeping bag if they want to stay for a night/two night at the camping spots
* 4 people for each camping spot
* Sell all the tickets (2000 tickets) on the website
* Minimum age for participating the event is 18+

Feedback:

* Change “Our team members” in the Table of Content
* Project statement organization
* Add rule to each team members
* Update current situation
* Project goal outcome of the system needs more details
* PayPal database needs to be added to the deliverable
* Project risks needs to be structured
* Consistency of the document
* Final presentation needs to be added to the deploy
* Work hours instead of weeks’ duration
* MoSCoW styling

**Wednesday, 15 March 2017**

Obaida as a Chairman

Ali as a Minute Taker

Duration: 45 minutes

Client:

* Applications need to simple input (using ID number) and fast working
* Application for the camping spot show:
  + Camp spot number
  + Number of the visitor in the camp spot
  + Show some details about the visitor such as names, and ID number

Next meeting:

* Project plan:
* Update the title for the project plan
* Current situation and Problem description need to be more specific
* Improve the current situation
* Improve the goal
* The final presentation is one of the deliverable
* Feedback:
  + Improve the processes field
  + In the functional field fix the Wouldn’t (W) part.

**Wednesday, 22 March 2017**

Ali as a Chairman

Bthari as a Minute Taker

-Setup Document:

* Revision in process part.
* Add to the process all the possible situation can the visitors have when they buy the ticket from the website and how is the website going to handle it, also the situation and the processors can the employee have when he/she is using the application.

- Regarding the website

* Reservation for the camping spot
* Make an artificial page for PayPal
* The possibility to reserve the camping spot and pay for it in the same time with buying the ticket.

- Camping spot app

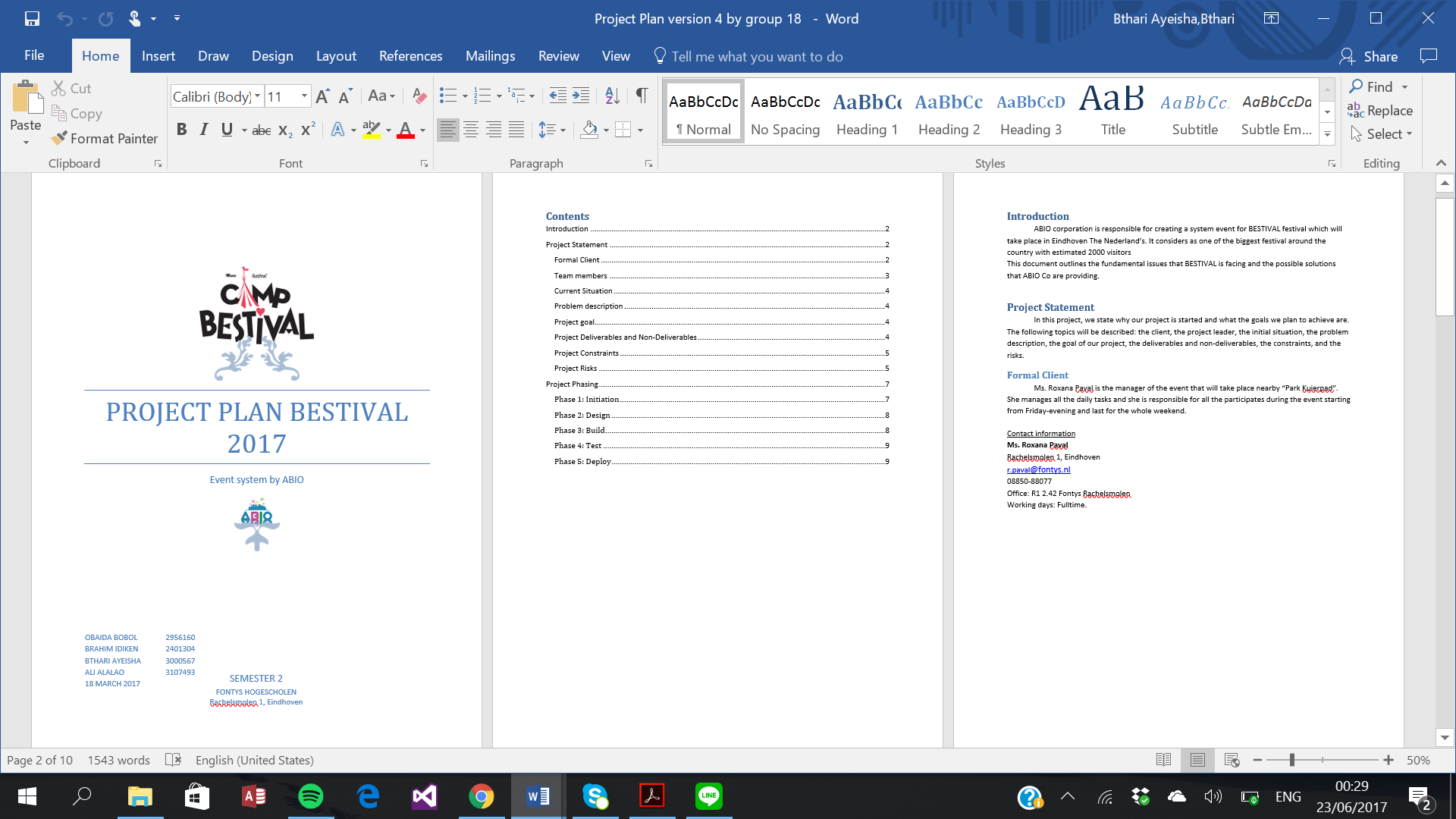
* Add another field for group

- New registration in an individual app and managing visitors in an individual app.

-Rename entrance application as Check In/Check Out

# Appendix B

## Project Plan



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# Introduction

ABIO corporation is responsible for creating a system event for BESTIVAL festival which will take place in Eindhoven The Nederland’s. It considers as one of the biggest festival around the country with estimated 2000 visitors

This document outlines the fundamental issues that BESTIVAL is facing and the possible solutions that ABIO Co are providing.

# Project Statement

In this project, we state why our project is started and what the goals we plan to achieve are. The following topics will be described: the client, the project leader, the initial situation, the problem description, the goal of our project, the deliverables and non-deliverables, the constraints, and the risks.

## Formal Client

Ms. Roxana Paval is the manager of the event that will take place nearby “Park Kuierpad”.

She manages all the daily tasks and she is responsible for all the participates during the event starting from Friday-evening and last for the whole weekend.

Contact information

**Ms. Roxana Paval**

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[r.paval@fontys.nl](mailto:r.paval@fontys.nl)

08850-88077

Office: R1 2.42 Fontys Rachelsmolen

Working days: Fulltime.

## Team members

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Contact information

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Role: Leader

**Ibrahim Idiken**

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Role: Quality product

**Bthari Ayeisha**

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Role: Secretary

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## Current Situation

Our client is going to organize a music event called BESTIVAL for young people on a big terrain. This festival has three different genres of music POP, House, and RnB. On the terrain, will be placed tents for musician, work-shops for selling foods and drinks, and a place where visitors can loan materials and some more.

Moreover, on the area there is a pc-doctor who can help young visitors if they need help with their laptop. The event starts on Friday 6PM and last the whole weekend. The event will be held nearby camping “Park Kuierpad”.

## Problem description

Ms. Roxana has encountered quite a few problems for the event.

First, BESTIVAL has no website, that potential visitors may search on it online. If they do,

they should have access to make reservation online, depositing money to the events account, the possibility to check their last transactions and their account balance. Furthermore, the visitors should be able to pay for their needs using the arm brace.

Secondly, camping spots has no reservation system for visitors to choose free spot.

Thirdly, at the entrance, employees have no login form to the system to check whether the visitors have purchased a ticket or not.

Lastly, the event has no database that will be linked to the system to check whom booked tickets.

## 

## Project goal

The goal of this project is to implement several applications for BESTIVAL event that target different tasks for instance application at the entrance, at camping entrance, for shops and stands, checking the status of the event, and convert information from PayPal file text to database. A website that visitors can search on it online to find more information about BESTIVAL.

## 

## Project Deliverables and Non-Deliverables

* In this project the deliverables are:
* A setup-document.
* A website.
* A project plans
* A presentation
* A process reports
* An application to be used at the entrance of the event.
* An application to be used at the entrance of the camping.
* An application to be used at the shops.
* An application to be used at the stand, where you can loan materials.
* An application to be used when a visitor leaves the event.
* An application for the organization to inspect the status of the event.
* Training for user to interface with the applications.
* A design for a database.
* An application to convert the information in the PayPal-text-file to the database.
* PayPal application
* The non-deliverables are:
* The source code for our application.

## 

## Project Constraints

Constraint 1: time

* The project will must be completed within 5 months.

Constraint 2: unlimited budget

The budget for this project is

* Software developers 30%
* Users interface 10%
* Design Database 20%
* Web developers 30%
* Testing and debugging 5%
* Manual guide for using the applications 5%

Constraint 3: English language

* As English is very common language for everyone it will be the main language used in this product

Constraint 4: platforms

* We will provide applications that will run on different platforms for instance windows operation system.
* For the website, will be able to be run on different gadget such as mobile phones, tablets, laptops.

## 

## Project Risks

Risk 1: Application not running on old versions of Windows and Tablet windows 10.

Probability: Low.

Impact on project: Low.

Effect: People with an old OS will not be able to run the application.

Prevention: Notice the user of what devices will use before downloading.

Add requirements before download.

Risk 2: Running out of time.

Probability: Low.

Impact on project: Medium.

Effect: Not satisfactory for Ms. Roxana.

Prevention: Stick to the timetable always, if more time is needed modify the timetable.

Risk 3: Manual guide is not finished in time.

Probability: Low

Impact on project: Low

Effect: Employee without basic computer skills wont not be able to run the applications

Prevention: Use draft version of the guide

Risk 4: Delivery of final product is delayed after testing

Probability: Medium

Impact on project: Medium

Effect: delivery delay

Prevention: Clearly understand what is needed for the requirements

# 

# Project Phasing

In this chapter, we describe the phases of our project, with the activities and milestones. In figure 1 a visual overview of the activities, their dependencies and the milestones is given. The total project will take 16 weeks to complete. The critical path is made bold and red.

Test

Deploy

Build

Design

Initiation

build applications

test the deliverables

build the website version 1

design user interfaces

deploy product

design the database

start-up project

write user manual

final presentation

build the database

build website version 2 and 3

design the website

**M4**

**M5**

**M3**

**M2**

**M1**

wk1 wk2 wk5 wk9 wk14 wk16 wk18

*Figure 1. The activities and milestones.*

**Phase 1: Initiation**

The initiation phase has only one activity, called “Start-up project”.

Activity: Start-up the project

* Interview client
* Discuss current situation, problems, desired end situation
* Set the project goal together with the client
* Organize the team
* Kick off meeting

Estimated duration is three weeks and 20 man-hours.

Deliverables for milestone **M1** are:

* Detailed division of work amongst team members
* The Project plan

**Phase 2: Design**

Design the application, database, and website.

Activity: Design the applications

* Make user requirements
* Install visual studio, and Brackets
* Interview technical department
* Make technical requirements
* Present possible solutions to the client
* Choose solution to implement

Estimated duration is 2 weeks and 90 man-hours.

Activity: Design the Database

* Install MySQL
* Design ERD
* Discus with the client

Estimated duration is 1 weeks and 40 man-hours.

Deliverables for milestone **M2** are:

* The first version of the website
* The user interface of the applications
* The setup document

**Phase 3: Build**

The build phase has 3 major activities: Build the applications, database, and the website. For each activity, the tasks are described.

Activity: Build the Applications

* Implement the class diagrams for the applications
* Fill methods
* Implement logics
* Runtime tests
* Fix bugs

Estimated duration is 4 weeks and 160 man-hours.

Activity: Build the Website

* Implement the structure of the website
* Implement libraries
* Fill methods
* Implement logics
* Runtime tests
* Fix bugs

Estimated duration is 3 weeks and 120 man-hours.

Activity: Build the Database

* Create database
* Link database with the website and applications
* Runtime tests
* Fix bugs

Estimated duration is 2 weeks and 80 man-hours.

Deliverables for milestone **M3** are:

* The second versions of the websites
* The applications

**Phase 4: Test**

The build phase has two activities: Test the website, the applications, and database. For these activities, the tasks are described.

Activity: Test the applications and websites

* Install the applications
* Upload the website to the server
* Make test plan
* Discuss test plan with client
* Execute test plan
* Run the test plan for two weeks and record all the failed tests and a list of improvements

Estimated duration is one week and 40 man-hours.

Activity: Write user manual

* Write user manual
* Conduct research regarding testing a manual by observing users
* Observe at least three users while using the manual with the software
* Improve user manual based on results

Estimated duration is one week and 40 man-hours.

Deliverables for milestone **M4** are:

* Test report including all succeeded tests, all failed tests and a list of improvements.
* The user manual document.

**Phase 5: Deploy**

The deploy phase has only one activity, called “Deploy system”.

Activity: Deploy system

* Deliver the applications with user manual
* Deliver the websites
* Work on presentation

Estimated duration is one week and 40 man-hours.

Deliverables for milestone **M5** are:

* The final version of the applications and the websites
* Process report
* Final presentation

# Appendix C

## Peer-reviews

All the peer assessment from each member already sent to the teacher.

# Appendix D

## Report of the interview with the client

Client name: Roxana Paval

Interviewer: Bthari Ayeisha, Ibrahim Idiken, Ali Alalao, Obaida Bulbul

Subject: BESTIVAL Event

Location: Fontys Eindhoven, The Netherlands

Mrs. Roxana is going to organize a music event called BESTIVAL and she has encountered quite a few problems for the event.

First, BESTIVAL has no website, that potential visitors may search on it online. If they do,

they should have access to make reservation online, depositing money to the events account, the possibility to check their last transactions and their account balance. Furthermore, the visitors should be able to pay for their needs using the arm brace.

Secondly, camping spots has no reservation system for visitors to choose free spot.

Thirdly, at the entrance, employees have no login form to the system to check whether the visitors have purchased a ticket or not. Lastly, the event has no database that will be linked to the system to check whom booked tickets.

We had 6 meetings with the client to determine all the requirements for her event BESTIVAL, each meeting had different subject to discuss with the client. First meeting was about general requirements for the event based on the client needs. Second and third meeting were discussing about the website and the application interfaces. In the fourth meeting, we suggested some designs for the website and the application. In the fifth meeting, she tested the website features and gave us feedback to enhance our work. In the last meeting, we demonstrated how application and website work and she tested both. All the requirements are reported in the weekly activities with estimated time per week.

# Appendix E

## Hours worked overview per group member

|  |  |
| --- | --- |
| **NAME** | **HOURS WORKED** |
| ALI ALALAO | 452h4m |
| BTHARI AYEISHA | 375h4m |
| IBRAHIM IDIKEN | 377h4m |
| OBAIDA BULBUL | 397h4m |