

Process Report

Of



Group: PROP Group 10

Tutor: Stan van Hartingsveldt

Students: Nadya Cheperkova

Jiazheng Zhu

Stefan Lazarevic

Chioma Ezech

Date: 27 Sep 2018

Table of Contents

Table of Contents	2
Global work division	3
Week 3:	3
MINUTES SUMMARY	3
Who did what	5
Week 4:	5
MINUTES SUMMARY	5
Who did what	5
Week 5:	6
MINUTES SUMMARY	6
Who did what	7
Week 6:	8
MINUTES SUMMARY	8
Who did what	9
Week 7:	10
MINUTES SUMMARY	10
Who did what	11
Week 10:	12
MINUTES SUMMARY	12
Who did what	13
Week 12:	14
MINUTES SUMMARY	14
Who did what	15
Week 13:	16
MINUTES SUMMARY	16
Who did what	16
Week 14 (with the client):	17
MINUTES SUMMARY	17
Week 16	19
MINUTES SUMMARY	19
Week 17	21
MINUTES SUMMARY	21
Mark justification for first semester	22

Individual reflections for the first semester	23
Appendix A:	27

Global work division Block 1

- **Cheperkova Nadya -Project Leader**
 - completes visual designs of the website(non-functional)
- **Jiazheng Zhu - Group member**
 - completes the project plan, setup document and process report
- **Chioma Ezeh -Group member**
 - completes the GUIs of the applications (non-functional)
- **Lazarevic Stefan -Group member**
 - completes the GUIs of the applications (non-functional) with Chioma
- **All group members** work on the ERD design together

Global work division Block 2

- **Cheperkova Nadya -Project Leader**
 - work on the website(functional) and the Loan app
- **Jiazheng Zhu - Group member**
 - updates setup document and process report
 - Work on the Camping Reservation app, Camping Check in/out app and camping status in the Overview app
- **Chioma Ezeh -Group member**
 - work on the website(functional) and the Shop app
- **Lazarevic Stefan -Group member**
 - work on the Event check in/out app, Overview app and Logfile app

Week 3:

MINUTES SUMMARY

Agenda

- Make a short presentation to the client
- Ask the client questions and find out the client wishes

Notes

The meeting started by the introduction of members to the organising chairman, this is followed by a brief presentation of the project event.

Deliverables

- A website
- 7 applications
 - Application for the shop
 - Application for loan stand
 - Application for check-in and check-out application for camping
 - Application for check-in and check-out for the event
 - Application for reservation
 - Application for the ATM machine
 - Application for status information This is only for the manager use

The Event website

Functionalities:

- A user can get enough information about the event.
- Buy event tickets. Available are:
 - A single ticket for one day
 - A package for two days and the night
 - A package for the whole event
- Keep track of personal activities via a user profile which contains information like personal contact information, borrowed items from the loan shop, etc.

Camping site on the website

Functionalities:

- A user can view the available camping site and also see the prices.
- The option of selecting a preferred camping site.
- It is cheaper when a user registers on the website earlier.
- Depending on the time of registration, a user can withdraw his reservation and get part of his payment back.

- There should be an option for making reservations for 2, 4, or 6 people by providing the ticket number of the persons. This reservation can be done for persons who has purchased the 2 days event ticket.

About the applications

- The organising chairman suggested having pictures of the food to enable easy purchase, where the user clicks on the image to order. He also added that it should be possible to reserve a camping site and access the website using a mobile phone.
- The deliverables are to be completed before the end of January 2019.
- The Organising chairman, Mr. Andre Postma left the meeting at 12:25pm
- The meeting continued with the rest of the members present. Review and corrections was made on the project plan.

Who did what

- All group members made the presentation to the client.

Week 4:

MINUTES SUMMARY

Agenda

- Review Project Plan (Risks and Phasing)
- Review the draft visual design of the website

Notes

It started with reviewing the project plan and figure out below things

- The project leader should be a specific person
- Problem description and project goal should be concentrated
- Deliverables and non-deliverables should be changed
- Risks and phasing are correct, and they can be more completed: add more risks and complete the last three parts of phasing

For the visual design of website

- The second version is preferred
- Other pages will be completed
- We agreed on that static part of website will delivery later, not next week

For extra

- Database design (ERD) is expected

Who did what

- Jiazheng Zhu made the project plan
- Cheperkova Nadya made visual designs of the website
- Ezeh Chioma & Lazarevic Stefan made the GUIs of the applications

Week 5:

MINUTES SUMMARY

Agenda

- Final review of the Project Plan
- Discuss the visual design of website
- Discuss the design of the applications

Notes

The meeting started with the discussion of the Project Plan and there are several changes that need to be made

For project plan

- **Current Situation** - The last sentence is irrelevant
- **Problem Description** - The first and second sentence should be combine in one
- **The goal** - Needs to be rewritten; furthermore, it is not needed to state 'our'
- **Deliverables and Non-deliverables** – It is not necessary to say 'functional' website; we do not deliver the database to the client; non deliverable can be a manual;
- **Constraints** – Database is not a constraint as the client did not mention it; the constraints are not limitations from outside but for our specific task; more constraints need to be added
- **Risks** – Risk 4 should to be changed and more risks should be added
- **Phasing part** – Milestones are not clear and need to be improved; the estimated duration should include working hours

For the visual design of the website

- It is recommended to ask the visitor in the website if he/she wants a camping site and not open the camping site map immediately after choosing the specific ticket.
- If a person order tickets for more people, the names of the other people needs to be store, we can ask him for their emails, so we can send them their tickets without asking them to create accounts.

For the design of the applications

- **Shop application** – more products need to be added; drinks and food should be separated; we need to think of how the clients are going to pay
- **Reservation, ATM, Check-in/out** – for the next time, we need to think more about their design

Who did what

- Jiazheng Zhu improved the project plan
- Cheperkova Nadya improved visual designs of the website
- Ezech Chioma & Lazarevic Stefan improved the GUIs of the applications
- All group members made the Database design(ERD)

Week 6:

MINUTES SUMMARY

Agenda

- Review first version of ERD (all entities, attributes and relationships)
- Review first version of GUIs (check in/out for event and camping site applications, shop application)
- Review the website

Notes

It started with reviewing the ERD and figure out below things

For ERD

- **Reservation** - No reservation entity
- **Ticket & Customer** - One customer can only have one ticket and one ticket must belong to one specific person
- **Ticket & Camping Site** - Ticket can have camping site or without it(optional). It is possible that many tickets have only one camping site
- **ATM** - In the ATM entity, there should be a unique event account or customer account as a primary key and the other attributes can be balance, QR code and so on.
- **Store** - It is better to use the Product entity instead of Store which may have drinks, food, prices, quantities/stocks as its attributes.
- **Loan** - Add quantities/stocks in Loan Product entity as well
- **Customer** - Add balance in the Customer entity
- **ATM & Customer** - The ATM entity should have relationship with the Customer entity

For the design of the applications

- In the **Overview Application**, visitor status should be searched by unique customer id or ticket number
- In the **Check in/out Applications**, customer will have QR code by email, so there is no responsible to generate code. Also, employees should have scanners instead of visitors, so there is no QR code in the application. It should be scanner windows or something
- In **ATM applications**, there should be no QR code as well. Add balance in the application and it supposed to show log file

Who did what

- Jiazheng Zhu made the Setup document
- Cheperkova Nadya worked on CSS of the website
- Ezech Chioma & Lazarevic Stefan worked on the final GUIs of the applications
- All group members improved the Database design(ERD)

Week 7:

MINUTES SUMMARY

Agenda

- Review second version of ERD (all entities, attributes and relationships)
- Review second version of GUIs (check in/out for event and camping site applications, shop application)

Notes

It started with reviewing the ERD and only figure out one thing

For ERD

- **Loan** – The attribute “stock” is not good in the entity and checking the loan items if it is broken and the borrowing time of it is necessary.

For the design of the applications

- **For the GUIs of Applications**
 - We all agree that QR code is changed by RFID chip.
- **For the Check in/out Application**
 - Think what if the visitor is checked in and he/she goes out and recheck again. How to deal with it?
- **For the Loan Application**
 - In the home page, it is nice but the term and conditions is not necessary to show for users, because it is used by employees.
 - In the loan page, it is better to show the specific date when the loan item is borrowed and when it will be returned instead of the choice of number of days. Think of how the product returns and check if it is broken or not.
- **For the Camping Reservation Applications**
 - Some numbers are missing on the map
 - The number of night is not clear as it in the loan application (Add date)
- **For Shop applications**
 - In the home page, no groupbox1 and the list box. Think of the button of “Finish” and the question “Can you close the application successfully in this step?”
 - In the food page, some button are not shown and it is better to show both names and prices of food and the transport also shows in the bottom purple part.

Who did what

Jiazheng Zhu improved the setup document

Cheperkova Nadya worked on CSS of the website

Ezeh Chioma & Lazarevic Stefan worked on Final GUI design

All group members worked on Database design (ERD)

Week 10:

MINUTES SUMMARY

Members in attendance:

- Hartingsveldt, Stan S. Van - Project Tutor
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezeh Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Final discussion on the first block deliverables

Notes

The meeting started with the discussion of the ERD and there are several changes that need to be made

For ERD

- **Product entity** – The attributes ‘Drink’ and ‘Food’ can be specified only as ‘Product Name’
- **Customer entity** – The relationship from Customer to Loan_Item is optional
- **Customer_Account entity** – This entity is not needed because the relationship between Customer_Account and Customer is one-to-one, so the attributes from Customer_Account can go in the Customer entity
- **Ticket entity** – Think more about the relationship between Ticket and Customer or remove Ticket entity
- **Item_Loan entity** – It needs to contain Start date, Return date and State Returned

For the design of website

- The user can easily make a Profile, but his/her details are stored in the database only when he/she purchase a ticket

For the design of the applications

- **Shop application/Loan application** – It needs to display the name and the price of the products; When the product window shows up, it should display the number in stock of the specific product; The Cart needs to count the products of the same type and not adding them one by one
- **Loan application** – It needs to display the name of the product

Who did what

Jiazheng Zhu worked on Final setup document and process report

Cheperkova Nadya worked on Final design of the website

Ezeh Chioma & Lazarevic Stefan worked on Final GUI design

All group members worked on Database design (ERD)

Week 12:

MINUTES SUMMARY

Members in attendance:

- Hartingsveldt, Stan S. Van - Project Tutor
- Postma, Andre A. - Client
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezech Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Show the current progress to the client
- Discuss the current progress with the client and ask him questions

Notes

The meeting started by showing the website to the client, there are several things we all agreed that need to be figured out and changed

For the Website

- A user can buy two days' tickets cheaper than one single day ticket (be aware on website it shows that 59 euro for single ticket and 129 euro for two days' ticket which is not wished.)
- When user choose two days' ticket, he/she will be asked for which day's night he/she will stay.
- When user wants to order tickets for his/her friends, user should click the tickets and input their information, then check all tickets in the shopping cart before payment. (Max 6 persons in one order reservation).
- If user wants to order the camping site, he/she will be charged more.
- The camping sites have specific prices and it will not be calculated in nights.
- It is possible to indicate that the camping sites is available or not (green/ red) when user choosing the site on the map.
- In the account page, leave the login page and think about the sign up (be aware the payment method button at the bottom of sign up page).

- User can cancel the tickets when he/she does not want them anymore.
- Solve webpage auto-scaling issues to accommodate different devices.

For the applications

- **Shop app** - “Remove” button is only removing one item in the list; “Clear” button can delete only one specific item if there’s one item selected in the list and if there’s no item selected, it will delete all items in the list.; For extra wishes: Add the stocks/ quantities in the app and restock button.
- **Camping app**- The price of camping site will be higher when visitors reserves it during the event than it is ordered online; Visitors cannot cancel the site once he/she ordered it.
- **Loan app**- It will show the amount of deposit money when user clicks the loan item picture; Extra buttons for returning products and radio button for checking if it is damaged (the deposit money will not be returned when it is damaged).
- **Overview app**- Extra wishes: Clicking “Total visitors” button, it is possible to have a story graph.

Who did what

Jiazheng Zhu & Cheperkova Nadya – Working on loan application(Functional)

Cheperkova Nadya & Ezech Chioma - Working on website (Functional)

Ezech Chioma – Working on shop application (Functional)

Lazarevic Stefan – Working on the other applications (Functional)

Week 13:

MINUTES SUMMARY

Members in attendance:

- Hartingsveldt, Stan S. Van - Project Tutor
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezeh Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Discuss the new ideas with the tutor

Notes

The meeting started by discussing the new idea with tutor, there are several things we all agreed that need to be figured out and changed

For the website

- Add **process bar** from buying tickets to finishing payment

For the applications

- **Extra app for employee login** – Restrict employees have specific applications (Asses to 1-n app depends on how many rights the employee has); Separate project is purposed (each app has its own project); Sharing code can be in the library; RFID can disappear.

Who did what

Jiazheng Zhu – Working on RFID

Cheperkova Nadya - Working on website

Ezeh Chioma & Lazarevic Stefan – Working on all applications

Week 14 (with the client):

MINUTES SUMMARY

Members in attendance:

- Postma, Andre A. - Client
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezech Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Show and discuss the improved website
- Discuss the current progress of the applications

Notes

The meeting started by showing two different designs of the website to the client, so he could choose which one he prefers

For the website

- The client liked the second version with improved navigation bar
- The client liked a lot the Ticket Page, so we keep it the same and make sure that the user, who chose One Day Ticket cannot reserve a camping spot

For the applications

- **Check-in/Check-out** – When you are checked-in/out, the name of the person should be displayed.
- **Assign RFID** - “Open” button should be changed with “Off” and “On”.
- **Camping app**- A button to close the application should be added; second day should be auto-implemented, depending on the first date; put the prices for different camping types and inform the customer that we do not do refunds; makes sure that one person can reserve a camping spot only once; display a confirmation message before making the reservation, showing the spot you reserved and the price.

Who did what

Jiazheng Zhu – Working on the reservation app & camping check in/out app

Cheperkova Nadya – Working on loan app & website

Ezeh Chioma – Working on shop app & website

Lazarevic Stefan – Working on the check-in/out app

Week 16

MINUTES SUMMARY

Members in attendance:

- Hartingsveldt, Stan S. Van - Project Tutor
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezech Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Show the website, the applications and discuss the current progress

Notes

The meeting started by discussing some issues with the website then the meeting continued with reviewing all the applications

For the website

- The tutor tried to understand our issue with PHP and he helped us to solve the problem

For the applications

- **Loan Application** – For the return it would be nice if in the database, it is stored the returned date and a short description of the returned state.
- **Camping Applications** – it was perfectly made only the information for the customer can be displayed in separate lines and the message for ticket type should be changed.
- **Check in/out Application and Assign RFID Application** – completely finished; it would be nicer if the message for successfully checked out is green.

Who did what

Jiazheng Zhu – Working on the reservation app & camping check in/out app

Cheperkova Nadya – Working on loan app & login app

Ezeh Chioma – Working on the Website

Lazarevic Stefan – Working on the check-in/out application

Week 17

MINUTES SUMMARY

Members in attendance:

- Hartingsveldt, Stan S. Van - Project Tutor
- Cheperkova Nadya - Project Leader
- Jiazheng Zhu – Secretary
- Ezech Chioma Jane - Project Member
- Lazarevic Stefan - Project Member

Agenda

- Ask questions of applications and logfile

Notes

The meeting started by reviewing the Overview application

For the Overview application

- **Total Visitors** – Leave the things we have already made and try to make more information that the client may be more interested on.
- **Camping Status** – It is not user friendly when you use “0” and “1” to show the status and it will be improved.

For the Logfile

- We will use open file dialog which is safer to browse the bank file that is sent to us.

Who did what

Cheperkova Nadya - Working on the Loan App and Login App

Ezech Chioma – Working on the Website

Lazarevic Stefan – Working on the other apps

Jiazheng Zhu – Working on the Camping Apps & Finalizing the Setup document and Process Report

Mark justification

Generally, we know that we did not do everything perfect in the project. We always improve it in different ways, but we put a lot of effort on this and it can be seen that we took care of details. Hence, at least a sufficient grade is deserved.

Individual reflections

- Cheperkova Nadya -
 - Strengths and Weakness:
 - A trait I have noticed throughout this project is that I am believing that I can solve any problem on my own. This works well in some situations, but in many cases, I need the help of others to solve problems beyond my control. In a group project, it is always better everyone to give their opinion in order to come up with the best solution for the current situation. Furthermore, I tend to be a perfectionist which sometimes can be considered a weak trait because if you focus too much on the details, you can miss the deadline, not be able to finish everything on time. I am considering my creativity as a strong trait, because I really enjoy spending time on creating different designs and trying to make every single detail looking good. Moreover, I think that I am good leader, who can motivate the other team members and always respect their ways of view.
 - Learning moments:
 - I think that I learned a lot from this project. Firstly, the most important thing that I learned from this project is how to collaborate with others and value their opinions. Secondly, I learned a lot about creating good Project plan, creating database and creating a website.
 - Evaluation of spent effort:
 - I think that I spent a proper time on this part of the project and I finished all my tasks on time.
 - Improvement for next project:
 - Next time I can try to finish all the deliverables at least one week before the deadline, so I will not be in a hurry and I will have time for testing the product in order to improve it.

- Jiazheng Zhu -
 - Strengths: Flexible to handle changes and cooperative
 - I like to cooperate with my group members and discuss with them about the design ideas before I work on the document, so that I can describe them more professional in the documents. Improving or other changes always appears in the process of designing web and applications in block 1 and in the developing process of the block 2 . But I am flexible to handle the related changes in my working process and upload them on time.
 - Weakness: Not adept at public speaking
 - I have to admit that I am not good at public speaking. Sometimes I feel nervous while I'm speaking publicly especially when I do not prepared or I do not have a well-founded or logically context. Also, I always like to figure out the logic before I say something, but sometimes this kind of thinking time leads me missing the suitable time to talk.
 - Learning moments:
 - I learned a lot in the project and group members. From project, I learned how to make project plan, setup document, ERD design and got in touch with novel designs of website and application. Also, from the developing applications in block 2, I got more programming exercises. From group members, I learned how to respect and cooperate with others to achieve common goal.
 - Improvement for next project:
 - I will still try my best to work on the each phase of project whether it is document or programming and I think I should also make a timetable every week to make sure my working can be done in time.

- Ezeh Chioma -
 - Strengths: Accommodative
 - I keep an open mind and can adjust to the ideas and abilities of my teammates, and this sometimes makes it a lot easier to perfect my ideas as well. I can also make good arguments about my ideas and estimations about what would be possible to realize in the group.
 - Weakness:
 - I can be very sensitive about criticism.
 - Learning moments:
 - This project has become an eye opener In terms of coming to the realization of the difference between what I want and what is expected, and I have learned that while in this field of study, what is expected by the customer should be my utmost priority.
 - Improvement for next project:
 - More preparation and more working towards achieving the best results.

- Lazarevic Stefan -
 - Strengths: Collaborative
 - I listen to other group mates' ideas and always try to consider the best solution for our project.
 - Weakness: Procrastination
 - I usually think that I have a lot of time to finish my tasks so I tend to be late in group meetings.
 - Learning moments:
 - I learned from my group mates about, for example web development, project plan, better designing of the apps. All of this I got improved by working with my group on this specific project and meeting every week to discuss and improve our solution.
 - Improvement for next project:
 - I will work on my weak traits and try to be more organized.

Appendix A:

In the interview with the client, we all agree on below things

Deliverables

- A website
 - The website will display nicely on a laptop but also on a mobile phone.
 - It is cheaper when a visitor registers via the website than during the festival.
 -
- 7 applications
 - Application for the shop
 - For food, drinks, we provide buttons with a picture (and possibly text)
 - Application for loan stand
 - For items that can be borrowed, we provide buttons with a picture (and possibly text)
- - Application for check-in and check-out application for camping
 - Application for check-in and check-out for the event
 - Application for camping reservation
 - employees can click on the map to reserve a camping spot
- - Application for the ATM machine
 - read log files with a certain defined format
 -
 - Application for status information
 - it is only for the manager use

The Event website

Functionalities:

- A user can get enough information about the event.
- Buy event tickets. Available are:
 - A single ticket for one day
 - A package for two days and the night
 - A package for the whole event
- Keep track of personal activities via a user profile which contains information like personal contact information, borrowed items from the loan shop, etc.

Camping site on the website

Functionalities:

- A user can view the available camping site and also see the prices.

- When users click on the map they see the price.
- The option of selecting a preferred camping site.
 - Users can only book a camping spot if I have a two day ticket
- It is cheaper when a user registers on the website earlier.
- Depending on the time of registration, a user can withdraw his reservation and get part of his payment back.
- There should be an option for making reservations for 2, 4, or 6 people by providing the ticket number of the persons. This reservation can be done for persons who has purchased the 2 days event ticket.

About the applications

- The organising chairman suggested having pictures of the food to enable easy purchase, where the user clicks on the image to order. He also added that it should be possible to reserve a camping site and access the website using a mobile phone.
- The deliverables are to be completed before the end of January 2019.
- The Organising chairman, Mr. Andre Postma left the meeting at 12:25pm
- The meeting continued with the rest of the members present. Review and corrections was made on the project plan.