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**Coursework Title: The NightWatch.**

**Course: COMP1648 Development Frameworks and Methods**

**Due Date: 24/11/2016**

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# Section A

## Management Summary

### Introduction

Ever since 1994 DSDM seen the best one of these project Agile and solution delivery. DSDM not only effective for the small project but also big or long complex project, DSDM capability work in environment non-technique and technique. It built up a strong base in the corporate world and the strong focus on customer response. In the good side when WT approach DSDM must have some benefit from it as concentrate on business, time management, flexibility, quality of the product, technique, in the bad side DSDM not work when the requirement customer not clear. Any development method has advantage and disadvantage but DSDM it can reduce risk lowest and strong focus on best business.

### Benefits approach DSDM for study case (5 Principle).

**\_ Focus on the business need:** What is DSDM helping in the business? Is reduce the cost, increase the profit by clear request or solve every problem with product quality and lowest reduce risk. In practice, WT project would like open new service this print 3D snap watch for user's design. From a business, the use DSDM a lot of change approach project, compare with a traditional model the delivery, finance very difficult when customer change request or have some request. DSDM practice on that thing easy and can get profit the financial contingency the project WT using MoSCoW rules, It's work following the rules Must, Should, Could, Won't have, such as the process DSDM work make progress faster and more efficient. From point of my view DSDM really good at solve solution as for how the best ways for customer design a product? This is hard with the people nothings know design, DSDM help to appropriate the requirement for a customer. WT project pretty appropriate with DSDM in environment business approach and it can be meet needs requirement of the customer.

**\_ Demonstrate Controlling and Delivery on time:** DSDM help the manager in the project team divide project is small. When the project applied the member's responsibility this project will divide it small and parts of the project were managed by time boxing, time box in DSDM really effect to manage time project technique or non-technique, the benefit of time management is control project delivery on time, have time communicate and clear request with customer to be improved it. The project will work on life cycle when customer or developer is not satisfied. In my opinion time management very important in any case because it can make project late delivery or not controlling progress. Time management is set the good plan for the products to help product become more prefect and grow up accurate the request form user, creative strong user's belief when they use new service first time.

**\_ Flexibility:** why DSDM is flexible? DSDM help understandings customer's request and solve problem appropriate with business environment, always build the solution appropriate customer's request. Everything is difficult when the request is to change it is very waste time for starting again, to a traditional model will waste the cost and time for change detail of requirement. DSDM meet needs require of customer they can change request when their product half complete and when a project is hard with solution DSDM to solve the ways appropriate with this business solution it can reduce time for environment changed or solution. In my eye, the method flexible like DSDM can help the case in project safely about cost and time when customer sudden change requirement. WT project would like to into corporate world flexibility is necessary cause the requirement of a customer not sure and can change whenever.

**\_ Develop Iteratively:** DSDM welcome change requirement of customer in the each their feedback by develop iterative. In the study case iterative development is important because every customer's request whenever they can change it so depends on the business DSDM team need to: Development the business feedback in each iterative, response the customer's request, embrace change. The change within the limit time and cost of customer.

**\_ Never Compromise Quality:** In any case the quality of product not less important. The project can be improved by feedback and accept destroy when it is not fine or not appropriate with requiring customer, using DSDM the project was lead clear step by step in each time box. The way DSDM work have quality effective because it has ability the response as solution quality and process quality, but DSDM never compromise quality because it is a part of customer's request and their recharge, the each they suggest new request they must pay this request and can repeat many times until they cannot pay or provide any request for their product, their project finish.

### **Why choosing DSDM is the best appropriate?**

In the traditional model, using fact project a lot of failing because in fact when traditional model facing with a big project and requirement change from the customer it is very waste time and cost it can be made cost reserves depleted and do not meet requirement for business. Traditional model not appropriate for a big or long project due to not community and in the business environment reduce cost and time is important but the traditional model did not do it. DSDM can reduce cost, time and increase quality it can work in environment non-technique or technique, DSDM can take a lot of solution with business. DSDM find the best ways help develop business equally ensure meeting need customer exception, DSDM very flexibility to face with the solution so it can reduce risk lowest level.

### **Disadvantage for NightWatch approach**

The feature of new service will business prioritize so the feature not important will destroy. For example the functions less prioritize for the business will remove or push it back to reduce the time box.

### **Conclusion**

The analysts DSDM for NightWatch with the purpose help build the success new service. DSDM very appropriate in case study because in this it does not mention which communication they use or prints 3D machine and how to do make the customer understand new service it complete does not mention the whole DSDM can solve any case in this and can support, build up the system. DSDM Atern will to given the solve problem about the time help project plan can reduce the time box and short time to build it and just toward the business environment.

# Section B

## B.1 High level requirements analysis and MoSCoW prioritization.

**B.1.1: The Appendix A's requirement of meeting for WatchThis have some requirements not necessary for DSDN approach.**

- **Our existing customers must be able to log in**

In the business log in or not, it is not important in this case we must show up how to do user understand about new service of WT (WatchThis)? The website is popular to help a company communicate with a client but here we can work with non-software and communicate with the user by email or face to face.

- **Customers must be able to search and browse different 3D designs, whether they are logged in or not**

When they really would like cares about 3D print their will understanding or suggestion advisory. We must build the system support for user nothing know about new service or give them the advisor expert to get clearly design.

- **The user interface must be similar to that of our current website for seamless transition at a later stage**

The interface of a website is not needs must be similar with current admin manage website because we have focus on from interface user to increase effect user not make them blame.

- **The site must load quickly**

It is not useful with high-requirement. Because if everything in the website is loading fast but it is not appropriate for business is it worthless, every condition success when the strategy in business success. So loading fast for the website is an element help user feel comfortable to use but it does not grow up finance in business.

- **A way to pay for an item**

It is not important when we done customer's product we will send them notification can be ship and take money or they can payment by ATM.

- **A way to select a design and specify wrist size**

This requirement seem not high-requirement because have a lot the ways get information wrist size. Instead, we can be let's customer choose which material appropriate with them to enhance the value of quality better.

- **A way for us to know what we should manufacture, and to make and ship it.**

The problem is not the ways make it, make it have the best quantity is the problem we should do it. Because the customer does not care the process we make it they have a just case about how are their product or how is it quality. As well as they do not cases how we ship their product, they need their product delivery on time.

- **Register a URL and we must not forget to trademark the name WatchThis.**

It can be help us do not forget but I wonder why it is important because we need to create the trademark everyone know it.

- **People may want to ask us questions about the process and items**

Of course this requirement very necessary but we have an advisory group they can answer the question of the customer. So this requirement is not useful and it was separated with the advisory group and make user confuse when they would like to ask a question about their product.

- **We must ensure that people who use the website can register and log in**

In the site log in or register is normal all functions in the website must have but it is not high-requirement.

- **It is imperative that the website is easy to use. 3D printing is new and people don't know how it works, so they will be scared to use it.**

The company will show some basic model for a user and give them the tutorial video help they are design it by themselves. However, they can design with another tool or draw by hand.

- **The site must be safe and secure**

I agree with this require because models design of customer always make sure it is security. We can be sued when information or customer blueprints leaked and that does not blame the security website. But it was seen is security for the website about customer's information do not accept is high-requirement.

- **We also need the following:**

- Checkout
- Feedback
- Quick and easy
- Hosting
- Register a URL and we must not forget to trademark the name WatchThis.

We will build strong service cares for the customer because they can support any information about new service and get feedback from them to improve items. But it cannot be high-requirement because any systems in the companies always have customer service and we do not need to "Register a URL" due to it is not separate Nightwatch.

#### **B.1.2: The Appendix A's requirement of meeting for WatchThis have some requirements necessary for DSDN approach.**

- **A way for people to return items they are unhappy with**

The cause is it high-requirement is the customer ring product and have a problem or they not satisfied they do not know how to return it? So we should help them by easy way is they can call to host line they will report why they are not satisfied, read their address, phone number and code id of product, then system host line will write customer report and give back company and get back product. Because here is new service can have a lot error first time we should build the trust and show the easy ways solve the solution with the customer.

- **Gather statistics on design popularity**

We must be quickly to survey and gather statistics on design popularity and we show with customer or make the advertising because it will helping the customer get ideas from them.

- **A way for people to create their own designs**

We must build the website with easy functions about design help the customer can create their own design, in the site have some functions for the customer send their own design, and some text files customer must input to own company keeping touch with them to report their product.

- **Allow for people to create their own designs**

In this case of WT with new service we have strategy is the customer can create their private design so it is good for business because the customer will design what they like we do not waste time for get and understand customer request.

- **We need to ensure that a bookkeeping service is built into the new system, as this will make my job easier. I'm not sure why this is never done – it seems like a no-brainer, as in the end this is all about money.**

We will rebuild the new system a booking keeping and take some rules for private to manage about new service.

- **The rest of the idea is great and I'm excited to be part of it. You clearly need all the usual website functionalities (login, add to basket, pay, ship...)**

Although this is a basic function but it can help customer easy to order a product by some click, and they can choose the ways these can pay it useful for themselves.

- **Could we have a reporting system that will provide graphs and figures on sales and market penetration? Could this system also then do forecasting?**

The survey in the market and show reporting system that will provide graphs and figures on sales. We survey the materials customer like or do not like and research reason.

- **You need to appoint a 3D designer as soon as possible.**

Exactly we need some appoint a 3D designer as soon as possible to motivate working process because customer can be order whenever.

- **It will be extremely difficult for customers to request custom designs. The problem is that, unless they upload actual 3D designs of the printable product, we would need to create 3D models ourselves. How are they going to communicate to us what exactly they want? Even if they upload their own 3D designs, they may have the dimensions wrong and it won't work. I'm very concerned about pursuing this, as I cannot see it working. The man hours needed to do custom work may not warrant the price we can charge for it. We need to investigate this as part of the project.**

This here can see that important to solve it. We will try to build system design for customer easy to use it and it will live to connect with my communication maybe website. The customer unconstrained design only system at NightWatch they can use any tool design these know and submit file details for system.

## Conclusion

The purpose of section B.1 show high requirement and low requirement from requirement list of meeting because requirement list of meeting have many draft requirement not important given by people do not understand. The high requirement depends on function can interactive of user with the company's mediate for example: website, gmail, sms. The high requirement have the purpose get profit for the company by function the customer wants for example: self-design and submit, order, payment multi-card, view product process or delivery process. The low requirement is depends on non-function about security, performance. However, it cannot high requirement but it can being the trust from customer and increase reputation for the company.

### B2.1: List of function or non-function requirement base on high level requirement.

MoSCow Rules	Requirement
<b>Must</b>	<ul style="list-style-type: none"> <li>• A way for people to create their own designs</li> <li>• A way for people to return items they are unhappy with</li> <li>• You need to appoint a 3D designer as soon as possible.</li> <li>• The rest of the idea is great and I'm excited to be part of it. You clearly need all the usual website functionalities (login, add to basket, pay, ship...)</li> <li>• Gather statistics on design popularity</li> </ul>



	<ul style="list-style-type: none"> <li>It will be extremely difficult for customers to request custom designs. The problem is that, unless they upload actual 3D designs of the printable product, we would need to create 3D models ourselves. How are they going to communicate to us what exactly they want? Even if they upload their own 3D designs, they may have the dimensions wrong and it won't work. I'm very concerned about pursuing this, as I cannot see it working. The man hours needed to do custom work may not warrant the price we can charge for it. We need to investigate this as part of the project.</li> </ul>
<b>Should</b>	<ul style="list-style-type: none"> <li>Allow for people to create their own designs</li> <li>Could we have a reporting system that will provide graphs and figures on sales and market penetration? Could this system also then do forecasting?</li> </ul>
<b>Could</b>	<ul style="list-style-type: none"> <li>We need to ensure that a bookkeeping service is built into the new system, as this will make my job easier. I'm not sure why this is never done – it seems like a no-brainer, as in the end this is all about money.</li> </ul>
<b>Won't Have</b>	

## B2.2 Explanation of setting prioritizing the requirement

Depend on the MoSCoW rule we can show the important requests needs to prioritize in this case WT study case it is new service we must solve the customer services need and understand their mentality, then we could have their belief and they can use new service with the feeling comfortable status. In the processing their use it we will check-out and get feedback from them to improved it, we concentrate on 60% for prioritization requests to set close security first time we show it, and the requests "Have", "Could" it is time after prioritization requests we can do it for 20% time.

# Section C

**Legal, social, ethics and Professional issues.**

## C.1: Secure of data NW (Management Summary)

### Introduction

### Why the NW needs data Controller?

The NW (Night Watch) needs the website for new service to control IT system effective because here is new service if company show notification without the website it too hard with customer

following and creative their request. So the website company allow user login or not, both of them can order product and to make it simpler with customer design for themselves. Important with customer self-design they must be login to have a function for them submit because the website keeps ID customer was registered and provide information ID customer to back NW. So, the data controller is needed, keep all data safely and control every information of customer. In study case of NW should have the data controller and I have the reason why the company website need data.

### **C.1.1 Why Data Controller is important in WT?**

#### **The reason why the NW needs data Controller**

Data controller helps a person or a group related from company website they can control all the company data safely. NW reasonable arrange active user. So, the information of the customer was called the active user and it will move on the NW. Now, it will sync together, so all the data it easy with the data controller of NW can control everything relative to data solve reasonable lawful, not separate. A data controller must know the purpose of the reason it needs to save data securely, in the NW has two kinds of a user is user order model design of the NW company can log in or not and the user order self-design must be log in, so data controller help to control customer's ID with their ordered. Then, with NW these are different the request, and the user has private file box to save their design in this have different data, user's request appropriate with each customer. And when user order it must register first for order process and the requirement to appropriate with this user. The data controller will keep data safe by use and stored data in the daily day, make it limit with the management use data in the company log in with the security by having protected password. The data controller needs to know exactly to confirm to stored data. And always to sync with the update every change data into the system. When the information of user not active or forget the data controller must keep it do not change or replaced by another user.

#### **The benefits of the data controller on the NW Company**

- **Reduce the risk in the business**

The data is a part of the business asset so it is important needs protect. For example lost the user account the company can have heavy damage as responsibility for each level by customer decide, can reduce the belief for after user or dropped investor confident runaway, so data controller will control and consider carefully.

- **Valuable information protection**

The reason makes the business can active normally is the information as business transactions, financial report, documentation, product details, the basic information customer, the important information care service, so the information needs to protect haven't problem with service.

- **Productivity:**

Productivity can show by the data active when it increase. If the data was lost is the productivity will reduce it will very hard with the staff because they will face to customer is not get support computer data.

### **C1.2 How Data Controller will help overcome LSEPI issues with two study case example.**

The data controller will heavy responsibility for the user, in the ethical issues the data controller not disclosing information of a customer, lost user account or use the customer account for other purposes. The legal, social, ethical and professional issues that NW may be faced with.

**The first for example:** is the side customer the data controller who controls every information or the stored of customer data in the issues social they can abuse for bad purpose with this study case of NW they can stole design of customer and buy it for profit purpose but the ethical issues of data controller with user, they need to honest to build strong belief of customer for the company the data controller must be covering all of the customer's information is safe and security. Is it the side of an end user.

**The second example** this is the side LSEPI, the data controller knows everything about storage data if they run the money have the purpose bring the profit for the company or was enemy partner take advantage can make freeze data by adding a lot of session in data. So, with the ethical data controller have honesty, responsibility in work. This activity has not just the business it relative heavy damage about legal, the data controller must publish by the UK law was set it.

### **Conclusion**

The data controller need to maintain the company help to success. The data controller is a part of important in the company they can control every information of customer and keep it safe. In the study case of NW and DSDM approach in this case the customer's information is important the data controller will responsibility for every mistake they raise it.

### **C 2: Management Summary (BCS Code of conduct)**

#### **C2.1: Explanation four BSC and give these examples.**

- **The Public Interest**

The purpose is to bring Benefit for the public, the response with the roles most Benefit. For the company or organization, must be set as the top public health prioritize, behavior, safe, environment, the security, and Wellbeing.

To respect the third party's benefit.

The profession behavior: without discrimination on the grounds of sex, sexual orientation, marital status, nationality, color, race, ethnic origin, religion, age or Disability, or of any other condition or requirement.

Approach equality in IT major: acknowledge the laws, get the major's standard.

**For example (NW study case):** When the customer order these self-design the company must keep safe these demo or these product details and make sure they can return when they not

satisfied as some risk: they are allergic with watch straps, the request etc... or when not carrying strap manufacturer count environmental pollution.

- **Duty To Relevant Authority**

Workplace standard, not taking organization advantage brings benefits for personal. Avoid all conflict cases with third parties, to make full and immediate disclosure to them if any conflict is likely to occur or be seen by a third party as likely to occur. Do not to disclose any information to third parties or others, is not hiding information, quality performance of products, taking advantage of the Ignorance of others bring their own interests

**For example (NW study case):** Do not revealed the product's information with the purpose seeks personal profit.

- **Duty To The Profession**

To improve the reputation of the profession in general BCS and seek to improve for the standards set out to become a professional, should be involved in developing the BCS.

Always build good relationships in the workplace in general more and more easy development BCS more and more build up. Avoid any defamation cases, false talking about other people, do not bring the personal conflicts for the community as society network facebook, twitter etc....

Must notify the person have power in the organization or allowed companies when few shown signs of behavior.

**For example (NW study case):** Take personal conflict on the social network to share or give false information about the company. Damaging the reputation of the companies and organizations BCS.

- **Professional Competence and Integrity**

Finds the ways to improve each day is, always learn from those who went before and research the appropriate skills. Constantly updated news and technology innovation. Must set the standard matching fields.

Always be honest with clever insights, avoid talking about the possibility of false knowledge or his skills.

You must comply with the relevant Codes of BCS practices and all other standards, in your judgment, is concerned, and you should encourage your colleagues to do so.

Must have high responsibilities in their careers, strong as wrong to make mistakes and get to know how to fix it.

**For example (NW study case):** when the customer's product was fair the person or group who responsibility for this fault and give reasonable explanation for them and the company.

**Conclusion:** Four BCS conduct was priority arranged from bottom to top and base thus helping companies develop and knowledgeable about the law, with high professional responsibilities.

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